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OF THE

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VOLUME III.

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1896.

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THE

CAPE PHOTOGRAPHIC

DURCHMUSTERUNG

FOR THE EQUINOX

1875,

BY

DAVID GILL, LL.D. (ABD. & EDIN.), F.R.S., &c.,
HER MAJESTY'S ASTRONOMER AT THE CAPE,

AND

J. C. KAPTEYN, Sc.D., &c.,
PROFESSOR OF ASTRONOMY AT GRONINGEN.

PART I.

ZONES −18° TO −37°.

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NATURFORSCHENDE GESELLSCHAFT IN ZURICH.

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INTRODUCTION

BY

DAVID GILL.

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CAPE
PHOTOGRAPHIC DURCHMUSTERUNG.

INTRODUCTION.

Origin and History of the Work.

On the early morning of the 8th September 1882 (civil time), Mr. W. H. Finlay, First Assistant at this Observatory, when on the way to his house after observing an occultation of the star 5 Cancri, saw a bright comet-like object in the constellation Hydra, which proved to be the afterwards celebrated Comet of that year. It appears that the Comet was seen by various less responsible observers several days before its discovery by Mr. Finlay, but the fact remains that the accurate observations of this object which he secured, by returning to the Observatory on the morning in question, are the first of any scientific value that exist.

The remarkable observations subsequently made in full daylight, and the Comet's sudden disappearance at the Sun's limb previous to Transit across the Sun's disc on September 17, increased, in a high degree, the interest with which this remarkable object was followed by the Cape observers.

Personally, I was fully occupied at the time with Heliometer observations for Stellar Parallax, and with a series of extra-meridian observations of the Minor Planet *Sappho* with the 7-inch equatorial, so that it was not until October 11, when the latter series was finished, that I was at liberty to devote much attention to the organisation of other methods of observing the Comet. It now appears certain that satisfactory photographic pictures of the Comet might have been obtained wherever it was visible during the period between September 8 and November 14.

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So early as October 4 several photographers in South Africa had obtained impressions of the Comet with their ordinary apparatus; amongst these were Mr. Shoyer, of Cape Town, Mr. Simpson, of the U. P. School, Aberdeen (Cape Colony), and Mr. Fernyhough, of Durban, Natal. Their photographs have no scientific value as representations of the Comet, since they were taken without means for following the diurnal motion during exposure. It happened that the axis of the brighter part of the tail was nearly parallel to the direction of the diurnal motion, and the head of the Comet being sufficiently brilliant to produce a nearly instantaneous impression, the effect of diurnal motion was to create a very elongated impression of the nucleus, nearly coincident with the axis of the tail, and sufficient to lengthen the impression of the brighter part of the tail, so that, to the popular eye, a very brilliant picture of the Comet was the result. To Mr. Shoyer and Mr. Simpson I am, however, indebted for certain information that the Comet could be photographed. I had, at that time, no suitable lens and no experience in the development of modern dry plates. I accordingly called upon Mr. Allis, a photographer in the neighbouring village of Mowbray, of whose skill as a photographer I had previous experience. No sooner had I explained to him the object of my visit and the conditions necessary for success, than he at once volunteered all requisite aid, and entered into the work with heart and soul. The most suitable lens in his possession was a doublet by Ross (the work, I believe, of the late Mr. Dallmeyer) of $2\frac{1}{2}$ inches aperture and 11 inches focal length.* This lens was mounted on an ordinary camera, and the latter was attached to a stout board which was then clamped to the counterpoise of the Declination axis of the 6-inch Grubb-Equatorial. This counterpoise could be rotated with respect to the Declination axis and then be clamped; it was thus easy to adjust the optical axis of the photographic lens in any required position with respect to the axis of the 6-inch telescope, and, so that, whilst the latter axis was directed to the nucleus of the Comet, the general image of the Comet occupied the centre of the field of the photographic lens. This done, and the counterpoise clamped, any motion given to the Declination axis was common both to the telescope and camera. The cross, formed by the intersection of a pair of spider webs in the focus of the telescope, was now placed upon the image of the nucleus of the Comet or upon that of a neighbouring star, and, by means of clock-work aided by the slow motions in Right Ascension and Declination, was kept accurately upon the object during the whole exposure. In three of the photographs thus obtained the nucleus was followed, in three the image of a star was employed.

Paper copies of these photographs were forwarded to various astronomers and scientific societies, and they have since been published in Vol. II., part 1, of the Annals of the Cape Observatory; these reproductions, however, give a very inadequate idea of

*The lens is now the property of the Observatory.

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the details contained in the original negatives. The latter are deposited with the Royal Astronomical Society. Apart from their scientific interest as representations of the Comet itself, these photographs appeared to have a still wider interest from the fact that, notwithstanding the small optical power of the instrument with which they were obtained, they showed so many stars, and these so well defined over so large an area, as to suggest the practicability of employing similar, but more powerful, means for the construction of star-maps, on any required scale and to any required order of magnitude.

A short paper expressing these views, and accompanied by paper copies of the six photographs, was forwarded to Admiral Mouchez, and by him communicated to the Paris Academy of Sciences on the 26th December 1882 (Comptes Rendus, Vol. xcv., pp. 1342–43).* In his accompanying remarks, Admiral Mouchez endorses the view that these photographs point to the possibility of producing excellent star-charts by means of photography, and he afterwards told me that these pictures led him to encourage Messrs. Henry to devote their attention to the construction of Astrophotographic lenses, and the application of photography to astronomical work generally. The brilliant results which Messrs. Henry soon attained are still fresh in the minds of astronomers, and mark an epoch in the history of astronomy in the 19th century.

Meanwhile, in November 1882 I wrote to Mr. J. H. Dallmeyer requesting him to send me a lens of moderate dimensions for further experiment, as a preliminary step to ordering one for definitive work.

Mr. Dallmeyer, in reply, kindly forwarded a "Rapid Rectilinear Lens" of 4 inches aperture and 33 inches focal length, which reached the Cape in April 1883, and preliminary experiments were made with it in course of the year. Early in 1884 I went on leave of absence to England, and after some conversation with Mr. Dallmeyer, he undertook to make a special doublet which he hoped would prove to be better adapted for Astrophotographic work than the ordinary "Rapid Rectilinear Lens;" but, as he could not at once obtain the glass which he required for the new lens, he very kindly lent me a "Rapid Rectilinear Lens" of 6 inches aperture and 54 inches focus which he had in stock.

In September 1884 I applied for a grant of £300 from the Government Grant Fund of the Royal Society, partly for the purpose of making attempts to photograph the Solar Corona by the methods proposed by Dr. Huggins, and partly to make star-maps

* Simultaneously a very similar paper was forwarded to Dr. Huggins for communication to the Royal Society; but from some misunderstanding on his part, it was not communicated to the Society.

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by direct photography from the sky. The latter object was originally defined as follows :—

"The photographs of the great Comet of 1882, which I obtained here with the assistance of Mr. Allis, show that, with proper appliances, star-maps may be made by direct photography from the sky. I am most anxious to carry out this work for the Southern Heavens, being convinced that an accurate knowledge of star distribution according to magnitude can be more rapidly obtained in this way than in any other." (1)

"From such maps a working catalogue for meridian zone observations could be prepared, and the programme of the Astron. Gesellschaft for accurate meridian observations of all stars to the 9th magnitude be carried out without the repetition of such an arduous undertaking as Argelander's Durchmusterung of the Northern Heavens as a preliminary step. I have in my possession a very powerful and perfect equatorial stand with excellent clock-work, &c. It is capable of carrying simultaneously, and with ease, both the reflector for photographing the Corona and the large photographic lens of 6 inches aperture with its tube, guiding telescope, &c. for star-maps. I have also a suitable observatory of my own at disposal for the work."

"I can afford sufficient time for the organisation and supervision of the proposed researches, but to carry them out the services of a practical assistant are essential . . . ."

In January 1885, the Government Grant Committee placed the sum of £200 at my disposal, and Mr. C. Ray Woods, whose services as my photographic assistant had been provisionally secured beforehand, reached the Cape on the 18th February of the same year.

After a number of preliminary experiments had been made, systematic work was begun on the 10th of April and continued without interruption till its completion.

The vote from the Government Grant Fund of the Royal Society was renewed for the year 1886, but in November of the same year a resolution was passed postponing decision as to continuation of the vote until after the meeting of the Astrophotographic Congress at Paris in May 1887. Meanwhile the following correspondence had taken place between Professor Kapteyn and myself :—

Extracts from Correspondence with Professor J. C. Kapteyn.

J. C. Kapteyn to David Gill.

Leiden, December 16th, 1885.

I must here break off because this letter has to be dispatched an hour earlier than I expected. I will therefore write you another letter that will reach you a week later. In that letter I will make bold to explain to you a proposal that I hope you will not consider indelicate. It is, in the main, what follows : If you will confide to me one or two of the negatives I will try my hand at them, and, if the result proves as I expect, I would gladly devote some years of my life to this work, which would disburden you a little, as I hope, and by which I would gain the honour of associating my name with one of the grandest undertakings of our time.

---

(1) "Of course, distribution by photographic magnitude might, in special cases, differ from that by eye estimation ; but knowledge of the one is just as valuable as knowledge of the other, and as useful for the purposes of cosmical astronomy."

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J. C. Kapteyn to David Gill.

Leiden, December 23rd, 1885.

I have still to explain to you the proposal in my former letter, which I thought it better not to postpone—my resolution being taken. In doing this, you will excuse me in premising so much about my private circumstances as seems necessary for the purpose.

In the year 1878 I was appointed Professor of Astronomy and Theoretical Mechanics at the University of Groningen, having been before, during a couple of years, Observer at the Leiden Observatory. Directly on my appointment I proposed to the Government to fit out a little Observatory where, besides instruments for teaching purposes, a Heliometer of 6 inches aperture would be mounted. . . . .

Perhaps I shall succeed after some years in getting one or two instruments with which truly scientific research may be prosecuted; but at all events a very long time will have to elapse before any such result may be looked for.

The first years of my Professorship once passed, my lectures left me considerable leisure, which it has been always my desire to devote to astronomical observations. . . . .

Now, after your success in Stellar photography, and especially after your letter in which you tell me "I am obliged to crave help where I can get it," it has occurred to me that by measuring and reducing your photographs I could contribute very effectually towards the success of an enormous and eminently useful undertaking. Since then I have revolved the idea in my mind and I have come to the conclusion that if you will let me, and if I can secure the necessary help, there is no one can be in better conditions to undertake this work than myself.

The former point being granted, it is my plan as to the latter—

1st. To request the Government to double the yearly subsidy of somewhat more than £40 that is granted for the acquisition of books and small astronomical instruments.

2nd. To request another subsidy of £80 for a series of consecutive years from the Society of Teyler, a very rich society, that is always very willing to bestow some money on really scientific pursuits.

With this sum I think I can procure the constant help of three persons to do the most mechanical part of the work, the copying and the simple arithmetical processes, while I myself would execute all the measurements, the computation of the tables of reduction, the comparison of catalogues, &c., for which work perhaps now and then the help of a student could be secured. . .

Having once got the necessary information and tried the necessary experiments, a rough estimate of the time to be expended on the work may be made, and I will then be able to make you a definite proposal, stating the approximate time in which, and the approximate accuracy with which, I could undertake the whole business. Supposing that you are willing to leave the thing to other hands at all, I do not doubt but that we will soon agree as to these points. . . . .

I have kept this letter here some days to talk the matter of the Photographic Durchmusterung over with Professor Bakhuyzen and his brother. I am bound to say that they were not very enthusiastic about the matter; of course they thought the results, once reached, of immense value, but the drudgery to be gone through before these results are once got into the form of a catalogue almost unbearable. However, I think my enthusiasm for the matter will be equal to (say) six or seven years of such work. . . . .

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David Gill to J. C. Kapteyn.

Cape of Good Hope, January 9th, 1886.

Such a letter as yours of December 16th requires an immediate answer; I refer, of course, to its concluding portion, in which you offer some years of your life to co-operation with me in cataloguing the Photographic Durchmusterung of the Southern Heavens. . . . .

Naturally, before you commit yourself to so serious a work, you desire to see a sample of the photographs on which so much labour is to be expended, accordingly I send you two photographs representing the same area. . . . .

[Here follows a long account of instrumental details.]

David Gill to J. C. Kapteyn.

Cape of Good Hope, January 22nd, 1886.

. . . . It will, I hope, be as satisfactory to you as it has been to me, that we have mutually, and almost simultaneously, confided to each other the objects of our work, our hopes, and our difficulties. I with too much on hand, you with too little—both interested in precisely the same kind of work, and both intent on having such work done. . . . .

I think you will find that my letter of January 9th anticipates most of your questions, and that my new apparatus fulfils all the requirements which you have suggested the desirability of realising. . . . .

[Here some technical matters are discussed.]

For my part I will undertake the re-observation or re-photographing of all doubtful points—all necessary re-examination of discordant magnitudes, all re-observation of stars with the Transit-Circle, and so on. All such things are within the limits of my time and that of my staff. I think it would be of very great interest to continue the work to the Equator, for sake of comparison with Schönfeld, but not until the work has first been completed from -90° to -23°. It will be time enough, however, to settle that when we have seen how the work goes on. You probably know that I have obtained the money for this work from the Government Grant Fund of the Royal Society. The President, Professor Stokes, takes great interest in it, and I think he will be greatly pleased when he hears of your offer. Of course I shall not mention the matter till I hear definitely from you on the subject. I do not think it would be right to go on without the full consent of the Royal Society, but I do not think they will object to the plan if I do not ask for a larger grant than I receive at present. . . . .

J. C. Kapteyn to David Gill.

Groningen, April 19th, 1886.

. . . . I am now able to report almost perfect recovery. [Professor Kapteyn had been ill.] The answer from the Minister has only just now arrived. He writes that he thinks my proposal fit for acceptance, and that for the next seven years he will propose to raise my subsidy to £80. For this year, on the contrary, the extra subsidy of £40 which I requested cannot be conceded. I have waited for this answer before addressing myself to the Teyler Society. So this money question is still in a somewhat unsatisfactory state. . . . .

I am very grateful for your offer to endeavour to procure the money from the Government Grant Fund of the Royal Society, or even from your own pocket, ... still you will understand that for the honour of my University and country, I cannot accept this proposal before having tried to get from Dutch funds the means for executing the Dutch part of the intended work. If I fail in this, however, I certainly will reconsider your proposal. . . . .

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In the meantime I wish to begin the work, even with the prospect that at first it will not advance at a very rapid rate. So if you will send to me the pictures $-77°$ to $-90°$ I will immediately set to work. With the help of one assistant, I think I can get through that, perhaps, in half a year; this work will enable me to try various methods, and to decide definitively on the method to be adopted for the rest.

By the pressure of other work accumulated during my illness, I have not examined the photographs of the Orion region as thoroughly as I wished. Still I have examined them closely enough (I have measured and discussed some three hundred stars) to have a tolerably clear idea what they will yield. They will certainly give as many stars as the Durchmusterung, up to magnitude 9·4, and by a single examination of one of the plates, I have not found a single star wanting. Star-like specks of the magnitude 9·0 or 9·2 seem to be very rare. On the contrary, the number of specks equal to the fainter stars has somewhat exceeded my expectations. I think, as you seem to do, that it will be absolutely necessary to examine two plates at the same time. [The remainder of this letter discusses purely technical matters.]

David Gill to J. C. Kapteyn.

Cape of Good Hope, May 20th, 1886.

. . . . I am pleased to hear that your Government is prepared, so far, to meet your wishes. The best thing is to proceed with the means available, and prove by "something attempted, something done," that the work is worthy of continued support. . . . .

I have sent the duplicate pictures $-77°$ to $-90°$, of which the necessary particulars are enclosed. I shall send to Professor Stokes (Pres. R.S.) extracts from the correspondence that has passed between us on this subject, and request the approval of the Royal Society for what I have done, and what is proposed to be done.

It is unnecessary to follow this correspondence further. Early in 1887 the circumpolar plates were measured and reduced by Professor Kapteyn; ample proof was given that the apparatus and methods employed were rapid and convenient in use, and afforded results of all desirable accuracy for the purposes of a Durchmusterung. It was also shown that the stellar images were sufficiently sharp to be easily measurable to a second of arc, and a parallactic instrument capable of giving results of this accuracy was devised by Professor Kapteyn and myself, and worked out in detail by Messrs. Repsold. The question remained whether, on the one hand, the Catalogue from the already measured circumpolar plates should be used as a working catalogue for Meridian Observations of the Circumpolar area, and the rest of the work be carried out with a more refined apparatus and an accuracy equivalent to a second of arc; or whether, on the other hand, the circumpolar results should be accepted as part of a general Durchmusterung to be continued with the same instrument, and a corresponding accuracy, to the Northern limit of the proposed work.

In May 1887 the International Astrophotographic Congress decided to undertake the work of forming a Catalogue of stars to the 11th magnitude, and making charts of the heavens approximately to the 14th magnitude.

Apparently the Committee of the Royal Society was of opinion that this resolution rendered the Photographic Durchmusterung unnecessary. I do not think it was then generally realised what a long interval of time must elapse between the adoption

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of the resolutions of the Congress and the complete execution of the work. Be that as it may (for the Committee never assigns reasons for its grants or refusals), I was officially informed that the Government Grant Committee was not prepared to recommend that the vote of £300 should be granted for 1887. The sum of £150 for the first half of 1887 was subsequently provided from the donation fund of the Royal Society.

I had no doubt in my own mind as to the desirability of this work, nay, its urgent need in the existing state of Astronomy, and, indeed, that the results of the Paris Congress were to increase rather than diminish the urgency of that need.

I found that my most distinguished colleagues were unanimously of the same opinion, and generous offers of pecuniary and other aid were not wanting. The late Professor J. C. Adams, Professor A. Auwers, and Herr Otto von Struve wrote strongly on the subject in no uncertain terms. My one remaining difficulty was the question whether, having regard to other duties, it would be possible, without the support and sympathy of the Royal Society, to carry the work to completion. The difficulties were at last arranged. The work was carried on without external aid till 1889 September 31, when Mr. C. Ray Woods was employed by the Observatory, and the remaining negatives were taken by him pending the arrival of the new Astrophotographic telescope. But the tax on my private resources, which resulted from the withdrawal of the Government Grant Fund, rendered me unable to procure the Repsold apparatus which we had designed. Consequently the measurement of the plates to the single second of arc, which otherwise would have been carried out, had to be abandoned, and the work was completed with Professor Kapteyn's apparatus on the plan which had been employed for the measurement of the Circumpolar plates; that is to say, with an accuracy of a tenth of a minute of arc. For similar reasons the work was not carried beyond declination −18°.

Instruments.

The original apparatus with which the photographs were taken is shown in Plate I.

The Equatorial stand was made for me by Sir Howard Grubb in 1879, to carry the 4-inch Repsold Heliometer, which I purchased from Lord Crawford before taking up my duties at the Cape, and which I subsequently employed, in conjunction with Dr. Elkin, for researches on the parallax of Southern Stars. This type of stand is well known, and therefore needs little description, beyond the statement that it is of the size and strength usually made by Grubb for his equatorials of 8 to 9 inches aperture.

The clock-work is placed at the head of the pillar, and is provided with Grubb's usual "mouse-wheel" slow motion in Right Ascension, which is actuated by an

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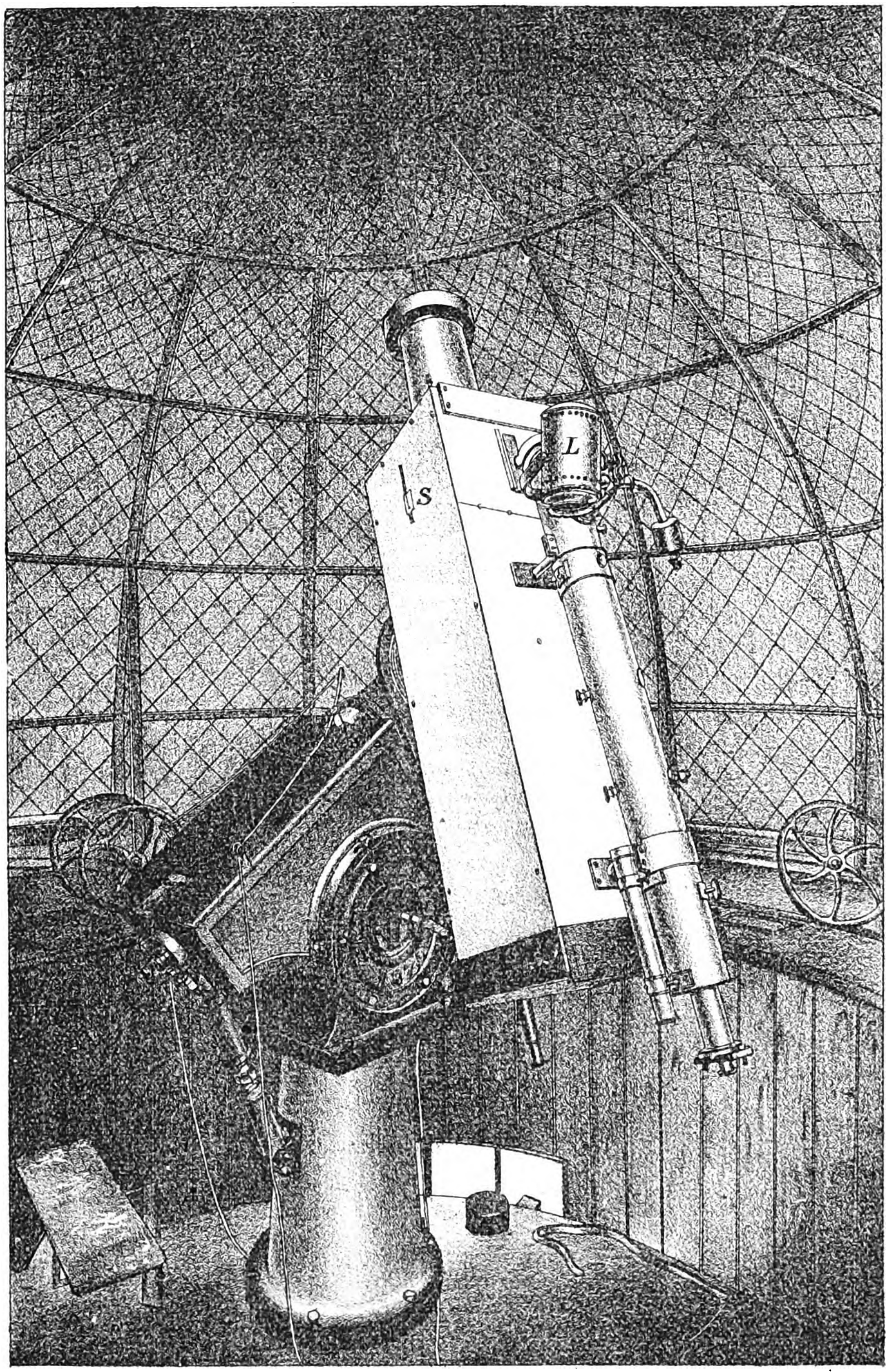

PLATE . I.

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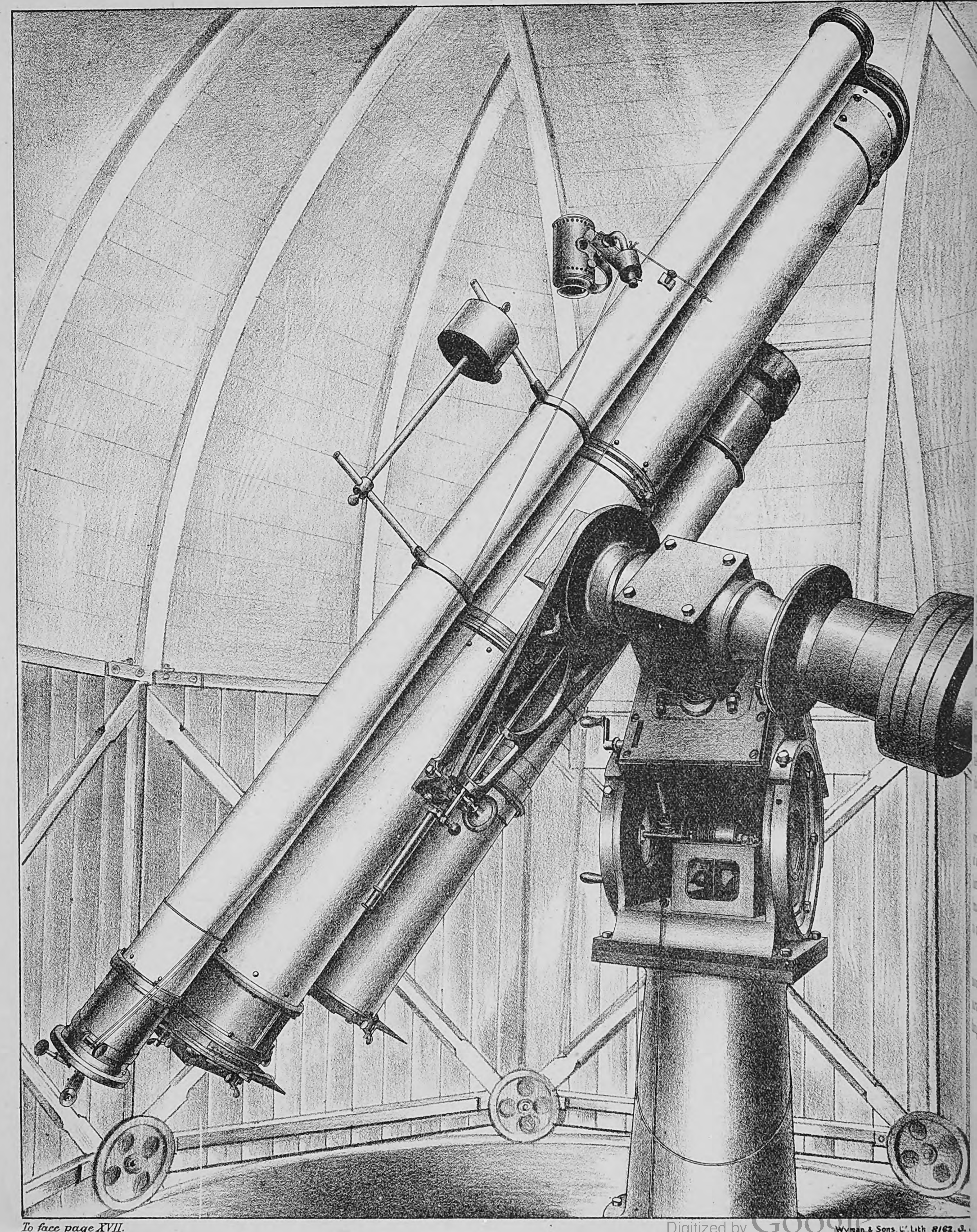
PLATE II.



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endless cord passing round the grooved edge of the disc on which the mouse-wheel is mounted. The slow motion and circle-reader in Declination are conveniently accessible from the eye-end.

The Camera has a square wooden tube 12 × 12 inches, stiffened near its centre by a strong internal diaphragm. A strong iron plate is bolted to the flange of the Declination axis, and the tube of the Camera is screwed to this plate.

The rapid rectilinear Dallmeyer lens, of 6 inches aperture and 54 inches focus, is mounted on the end of a long square tube, of half the length of the outer tube, but fitting accurately only near its two extremities. This gives a very smooth motion for focussing, quite free from perceptible shake. An index is attached to the inner tube, and, for focal reading, is referred to an ivory scale S (Plate I.) attached to the outer tube. Slow motion for focussing is provided by push-and-pull screws acting on the end of the sliding box. The Dollond telescope of 3½ inches aperture, belonging to an old and now disused Equatorial, was utilised as a guiding telescope. The field of this guiding telescope is illuminated by the lamp L (Plate I.), the light of which is reflected to the field of view by a small elliptical reflector in the axis of the telescope. This reflector is mounted on the extremity of a thin rod, which, by means of strings attached to cross arms, can be slightly rotated so as to modify the illumination. This will be more easily understood by reference to Plate II., where the arms and adjusting strings are shown in a similar arrangement. With red glass in front of the lens of the lamp the colour of the field is pleasant to the eye during long exposures, and comparatively faint stars can be observed without fatigue. The eye-piece of the position micrometer has a range of nearly 1° from the axis of rotation of the position circle. The brightest available guiding star within 58′ of the intended centre of the plate was selected, its position angle and distance from that centre were computed, the micrometer set to that position angle and distance, so that, when the telescope is set by the circles to the Declination and hour angle of the centre of the plate, the star is found in the centre of the field of the eye-piece.

Instead of spider-lines the micrometer is provided with a flat piece of watch-spring perforated near one rounded extremity with a small hole subtending an angle of about 30″. The image of the guiding star is kept by means of the slow motion handles in the estimated centre of this hole during the exposure of the plate. Special brass adapters were made at the Cape, and by means of these the telescope is attached to the square wooden tube in the manner shown in Plate I.

Plate II. represents the longer-focus Dallmeyer lens and the Nasmyth lens as first mounted in November 1886. The same equatorial stand was employed. The central part of the Nasmyth telescope-tube is a strong iron casting which is bolted to the flange of the Declination axis. Flanged tubes of sheet steel are bolted to the turned

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flanges of this central casting. The object-glass, by Grubb, is of 9 inches aperture, and 9 feet 6 inches focal length, and is corrected for photographic work. The dark slide and focussing arrangements are very similar to those subsequently constructed by Grubb for the Cape Astrophotographic telescope.

The second Dallmeyer rapid rectilinear lens, of 6 inches aperture and 5 feet 9 inches focus, was mounted on a brass tube firmly attached to the cast-iron centre-piece of the tube of the Nasmyth telescope. The lenses were mounted in a brass draw tube with a focussing scale. The dark slide thus required no focussing adjustment, and rested simply on three points on the butt end of the telescope, one rounded point entering a hollow cone, another a radial V-shaped groove, the third resting on a plane. The slide was pressed against these points of support by three spring-clips.

For the guiding telescope the object-glass of the now disused Dollond Transit instrument was utilised. Its aperture is 5 inches and focal length 10 feet. The tube is of tinned sheet iron, but the support of the cell of this object-glass is attached to that of the Nasmyth telescope, and the butt ends of both telescopes are firmly attached to each other. The illuminating arrangements were similar to those employed in the first apparatus already described, but intersecting spider-lines were used for guiding instead of a small hole in a piece of watch spring. The Nasmyth lens was generously presented to me by the late Mr. James Nasmyth, of steam-hammer fame, when he learned my desire to couple with the Durchmusterung work the photography of stars fainter than $9\frac{1}{2}$ magnitude. The field of sharp definition does not exceed 2° square, but it was intended, when the instrument in question was designed and erected, to procure a picture of that area central with each of the Durchmusterung plates, and having (since the exposure as well as the atmospheric conditions would be identical), a definitively increased range of magnitude, depending on the increased light-grasp of the 9-inch object-glass over that of the 6-inch Dallmeyer lens. A discussion of the two series of plates thus obtained would certainly have led to increased knowledge of the law of Stellar distribution according to magnitude. But when the International Congress had decided upon the work now in progress, and the Royal Society declined to continue their support of the Photographic Durchmusterung, it was considered no longer necessary to continue the work with the Nasmyth lens. The lens itself was subsequently utilised for rendering the rays from a source of light parallel, in the process of impressing the image of the *réseau* on the sensitive plate previous to exposure of the latter, in accordance with the International programme.

It was hoped that the new Dallmeyer lens of 6 inches aperture and $5\frac{3}{4}$ feet focus would prove better than the original one, but not only was its field of sharp definition more limited, but the Stellar images were less sharp, and longer exposure was required to obtain measurable images of stars of a given magnitude. When Mr. Dallmeyer

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learned that the second lens was inferior to the first, he kindly repolished the original lens, and the second lens was returned to him. The definition of the first lens, originally very good, was further improved by repolishing, and finally all the plates taken with the second lens were rejected, and the corresponding areas were re-photographed with the shorter focus lens.

For working with the repolished lens, the sliding box for focussing was removed, the lens was attached to one end of the wooden square tube, and the plate holder and focussing arrangements of the Nasmyth telescope were fixed to the other end of it. This plan worked very satisfactorily, but indeed the original wooden tube never gave any trouble, and preserved its Collimation, relative to the small guiding telescope, with surprising constancy.

The first exposure of the definitive Durchmusterung plates was made on the 15th April 1885, with the original Dallmeyer lens. The work was commenced at the South Pole and continued to Declination $- 57\frac{1}{2}°$.

In November 1886, the Equatorial stand used up till this time (viz., the stand of the 4-inch Heliometer) was dismounted from its previous site, and remounted in the portable observatory which I had used during the observations of Mars at Ascension Island in 1877. The new Dallmeyer-lens, with the other apparatus shown on Plate II., was fitted to the stand in its new site—the dome in which the earlier part of the work had been done being too small for the Nasmyth and 5-inch Dollond telescopes.

With this apparatus the work was completed to Declination $- 49\frac{1}{2}°$.

Till October 1887, the exposures had been entirely made by Mr. C. Ray Woods, but from this date the services of Mr. Henry Sawerthal were engaged, so that the work might be continued throughout the whole, or nearly the whole, night.

Early in April 1888, the original lens (repolished) was received from Mr Dallmeyer, and was re-erected in its original site on a new Equatorial stand very similar to the 4-inch Heliometer stand. This mounting was made by Sir Howard Grubb for the 6-inch telescope, belonging to the Observatory. The photographic work of the Durchmusterung was now carried out simultaneously in both observatories, Mr. C. Ray Woods, with the original Dallmeyer lens, taking the zones $- 34°$ to $- 19°$, and Mr. Sawerthal continuing the zones from $- 50°$ to $- 34°$ with the new Dallmeyer lens till the end of 1888.

Finally, the whole of the area from $- 58°$ to $- 33°$, taken with the new Dallmeyer lens, was re-photographed with the original (repolished) Dallmeyer lens from November 1889; the work was completed in December 1890, with the exception of a few plates which were afterwards re-photographed at the request of Professor Kapteyn.

Thus, the whole of the plates definitively used for the Catalogue were taken with the shorter focus Dallmeyer lens either in its original or repolished condition.

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Arrangement of the Plates.

The arrangement of the plates, as definitively used for the Durchmusterung, is given in Plate III., the outlines of the plates being shown in black lines. It is, of course, to be understood that the same arrangement is continued for each zone throughout the whole $24^{h.}$ of Right Ascension. The arrangement of the plates taken with the Dallmeyer lens of longer focus (and which were subsequently rejected) is shown in dotted lines. It will be remembered that, from the South Pole to Declination $-57\frac{1}{2}°$, the centres of the plates are arranged at each 5th degree of Declination, that is to say, at Declinations $-90°$, $-85°$, $-80°$, $-75°$, &c., the area of each plate being $6° \times 6°$, and the overlap 1°. Thus, for Catalogue purposes, the free area of each plate is about $5° \times 5°$. This arrangement was found by Professor Kapteyn to present certain practical inconveniences in measurement. It will be seen from a perusal of his account of the measurement of the plates, that the adjustment of the plate and of the parallactic apparatus was so arranged that the direct readings of the eye-piece scale corresponded very nearly with the true minutes of each star's Declination for the Equinox 1875. Having regard to the arrangement of the Catalogue, it is obviously also very convenient that all stars having the same name in the degrees of their Declination for the Equinox 1875·0 should be found on the same plate. This being so, it is clear that, to obtain complete zones of 1° in breadth with the above arrangement of the plates, either the whole of the six zones on a $6° \times 6°$ must be measured, or one of the zones must be rejected. A much better plan, therefore, is to arrange the plates so that the Declinations of the centres of the zones are situated at $55\frac{1}{2}°$, $50\frac{1}{2}°$, $45\frac{1}{2}°$, &c., and this plan was adopted. In this way five complete zones can be measured on each plate, the Declinations of the stars throughout each photographic zone thus belong also to the same Catalogue-zone; the best part of the plate is also utilized to the greatest advantage, and each zone can be measured with just sufficient overlap to afford a check upon the next.

Every area was photographed on two different nights with a view to eliminate the possibility of mistaking an accidental speck in the film for the true image of a star. This precaution was carried out from the commencement of the work, and its efficacy is well demonstrated in Professor Kapteyn's discussion. Before the photograph of any area was passed as completed, a number of the stars contained in the Cordoba zones, on the same area, were identified, and a judgment was formed, from the intensity of the images of the fainter stars, as to whether the plate probably would give measurable images of all the stars to $9\frac{1}{2}$ magnitude. When, as the result of this examination, it was found that the exposure, on account of mist, dewing of the objective, bad definition or other causes, had not been sufficient, the area was re-photographed. The more thorough examination necessarily made by

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Professor Kapteyn in course of measurement, brought to light a good many more plates which it seemed desirable to re-photograph, so that some of the areas have been photographed three, four, and even five times.

A complete list of the Durchmusterung plates, taken with the shorter focus lens, and examined or used in the formation of the catalogue, will be found in Professor Kapteyn's Introduction, pages (99) to (122).

The plates taken with the Dallmeyer lens of longer focus, and with the Nasmyth lens, are given at pages xxxii to lxviii. It seems desirable to publish this list, as a knowledge of the existence of the plates may be of value to astronomers engaged in researches of variable stars, &c. The plates, for convenience of reference, will be deposited with Professor Kapteyn.

Plates, Exposures and Photographic Methods.

During the preliminary experiments made in the beginning of 1895, three of the best brands of plates then in the market were tried, and preference was finally given to those prepared by the Paget Prize Plate Company.

To determine the exposure necessary for the purpose in hand, which purpose may be briefly defined as a continuance of the Bonn Durchmusterung to the South Pole, an area in Argelander's Durchmusterung was selected and photographed. The negative was then compared, star by star, with Argelander's chart, and the duration of the trial exposures was gradually increased till it was certain that every star in the selected part of Argelander's chart was shown as a measurable disc on the plate photographed from the sky. The simplest method of comparison was found to be to photograph Argelander's chart on the same scale as our negative. The negative, photographed from the sky, is superposed upon that taken from the chart, and so the small black discs, which represent stars, are seen projected on the white discs which represent the black stars of the chart. With the aid of a lens of two or three inches focus, it is then very easy to see whether all the stars on the chart are represented on the negative taken from the sky. The distortion of the chart necessarily requires certain accommodation from point to point in the negative, but the process of comparison in this way is neither long nor troublesome. When the negative from the sky shewed nearly the whole of Argelander's stars, it always shewed a great many more not given by Argelander, as his Durchmusterung only pretends to completeness as far as stars of 9·2 magnitude.

To secure the result that all Argelander's stars should be represented on such a negative, it was found that an exposure of an hour with the Paget plates was necessary, and this exposure was adopted for all pictures taken with them in normal

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circumstances. When a new batch of plates of the same make was received, the pictures obtained with them were compared with the duplicates taken with the previous batch, or, when such were not available, with the overlaps of adjacent plates in Right Ascension or Declination.

In testing new makes of plates the method of trails was found to be the most satisfactory, not only for comparative rapidity, but for quality and fineness of grain. Several brands of English, American, and Continental plates were tried, but Paget plates were used up to October, 1887.

The Abney plate, made by the Derby Dry Plate Company, was then introduced, and found to be very rapid, some tests of these plates giving with an exposure of 20 minutes to 30 minutes the same number of stars on the same area as was obtained with the Paget plate after an hour's exposure.

Finally, for the Abney plate, a normal exposure of 30 minutes was adopted for favourable conditions, and increased from 10 per cent. to 50 per cent. according to zenith distance, clearness of atmosphere, &c.

The Abney plate was used till June, 1889, and soon afterwards its manufacture was discontinued. For the repetition plates, Declination $-58°$ to $-33°$, Wratten's "London Drop Shutter special" plates were used till the completion of the work.

In developing the plates pyrogallol was the reducing agent; other substances, such as hydrokinone and ferrous oxalate, were experimented with, but found to offer no advantage. The accelerator used was ammonium hydrate (liq. ammonia), and potassium bromide as restrainer. Sodium sulphite was used with some batches of plates, but usually "pyro," "bromide," and "ammonia" alone were employed.

In deciding on the developer to be used for any plate, it was assumed that the formula for development given by the maker was that best suited for it, subject to some slight modification for different batches of plates and for the temperature of the water and of the air at the time of development. The maker's formula was, however, taken as the standard only in so far as concerned the proportions of the ingredients; his precise method of preparation was seldom adopted. Each constituent was kept separate in the form of a 10 per cent. solution, the operator being thus able to modify the developer at will. Having ascertained the number of grains of each constituent in the maker's formula, and having prepared the developer accordingly, it was tried on the plate. The object being to develop the faintest effect of light on the plate, it is desirable to push the development to the utmost, that is, to the extent of a slight veiling over the entire plate. The amount of forcing which a plate will stand without much fogging varies greatly, not only with different brands of plates but with

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different batches of the same brand. Development and fogging are both accelerated with a warm temperature. The maker's formula, therefore, even if found perfectly suitable with a normal temperature, was never strictly adhered to, but the bromide was increased and the ammonia decreased if veiling was brought about too quickly; if the plate would stand it, bromide was decreased and ammonia increased.

After development and rinsing, the plates were placed in a half-saturated solution of alum for 10 minutes, washed for a few minutes, then fixed and thoroughly washed in the usual way.

General Conclusions.

Notwithstanding the care that was employed throughout the work to obtain uniformity in the results, the actual plates are far from perfect in this respect. The most that can be said is, that probably every catalogued plate shows every star which Argelander would have considered it essential to include in a Durchmusterung similar to his own, with the exception, perhaps, of a very few red stars of the fainter class. The majority of the plates show a much greater number of stars than Argelander would have observed, but this is unavoidable in photographic work.

It is, in fact, impossible to solve the practical problem—"to photograph all the stars in the sky to a given order of magnitude, without also photographing stars fainter than those required."

When the present work was begun, its difficulties were much greater than they would be in the present day. We were not then aware of the great difference between the actinic and visual light of stars of different galactic latitude, nor of the variation of the sensibility of plates with time, nor of the effect of moonlight or of previous exposure to faint light in increasing their sensibility. Had the work to be done over again, it could be done in much less time, and I have no doubt a much closer approximation could be made to the solution of the problem in question. But accidental circumstances, over which the observer has no control, such, for example, as the variations of definition, the presence of invisible haze, &c., will always render the problem practically insoluble. All that it is possible to do, is to give an exposure sufficiently long to make sure that stars of the required order of magnitude will be certainly included on the plates. Subsequently, by some independent process, the relations between the diameters and true magnitudes on the plate should be determined; then, and then only, is it possible to assign true values to the magnitudes of the stars impressed on the plate, and, if necessary, to reject those stars which are below the required order of magnitude.

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In the present case the basis of the magnitudes of our Durchmusterung rests on the magnitudes of the stars in Gould's zones; and, as many of these stars, of which the magnitudes have been observed by Dr. Gould on a number of different nights, appear on each of our plates, the probability would be that the errors of the magnitude-constants of each plate would be small.

Whence then arise the large variations in the magnitude-constants which Professor Kapteyn has found for different plates? The variation of these constants expresses not merely a different diameter for a star of the same magnitude on a different plate, but for different plates a totally different *form of curve* is required to represent the relation between stars of different magnitudes and their diameters. The forms of these curves which Professor Kapteyn has derived for different plates, vary so much for plates which include the same range of magnitude that one might be inclined to attribute the variation in question to a combination of the three following causes:—

1. Errors in Gould's magnitudes.
2. Errors produced from the discordance between the visual and photographic magnitudes.
3. Errors in the measures of the diameters of the discs.

It cannot be denied that the discordances in question may, and do, arise to some extent from these causes. Gould's magnitudes may differ systematically on different nights, and they may be systematically affected over longer periods of time; there are, unquestionably, systematic differences between the visual and photographic magnitudes of individual stars, as well as systematic differences of the same kind depending on galactic latitude. But, apart from the latter consideration, if we have regard to the number of magnitude-standards on each plate, and the number of different nights on which these standards have been observed by Dr. Gould, the discordances in question cannot have their origin in these causes alone.

It has been assumed by some authorities that there exists a definite relation between diameter and magnitude when the same telescope, the same plates, and the same exposure are employed at the same zenith distance in a clear sky, and various formulæ have been given to express this relation. But, in reality, no such fixed relation exists, as the constants of the curve which expresses it are affected to a very large extent by the quality and steadiness of the images. So far as I am aware there is no published discussion of the effect of atmospheric disturbance on the form of the magnitude-curve; and, as the question is closely connected with the results of the present publication, it may not be out of place to quote some results on the subject.

The following facts have been determined in course of a study of the light curve of the star R Velorum, whose variability (of the Algol type) was discovered by

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Mr. C. Ray Woods by comparing photographs obtained at the Cape on 1894 January 20, with others obtained 1893 January 10, February 16, and March 18.

The comparison stars, whose diameters have been measured along with those of the variable, are the following:—

C. P. D.	Mag.*	G. Z.	Mag.†	1875. α	1875. δ	Group.
°		h		h m s	° ′	
— 44·3880	7·6	9, 2418	7½	9 29 58	— 44 15·6	I.
— 44·3829	8·7	9, 2126	8·85	26 16	— 44 42·0	II.
— 44·3836	8·9	9, 2153	8·90	26 36	— 44 40·9	II.
— 44·3865	8·6	9, 2301	8·25	28 31	— 44 57·7	II.
— 44·3882	8·4	9, 2389		29 29	— 44 12·6	II.
— 44·3896	8·6	9, 2429	8·33	30 11	— 44 40·5	II.
— 44·3859	9·5		9·40	28 8	— 44 42·4	III.
— 44·3840	9·7	9, 2174	9·20	26 49	— 44 34·8	III.
— 44·3852	9·6	9, 2204	9·70	27 17	— 44 53·1	III.

* The magnitudes in this column are from the Cape Photographic Durchmusterung.
† The magnitudes in this column are from Mr. Roberts' paper, Astron. Journal.
The places are those of Gould's Zones.

For present purposes the measures of diameter are divided into three groups as above—the approximate mean photographic magnitudes being 7·6, 8·6 and 9·6 for Groups I., II. and III. respectively.

The mean diameters derived from measurement are given in the following table:—

Date.	Definition. I.	Definition. S.	Mean Diameters in Seconds of Arc. 1 Star $7^m·6$.	5 Stars, average 8·6.	3 Stars, average 9·6.	Date.	Definition. I.	Definition. S.	Mean Diameters in Seconds of Arc. 1 Star $7^m·6$.	5 Stars, average 8·6.	3 Stars, average 9·6.
1893.			″	″	″				″	″	″
Jan. 10	1	2–3	16·41	11·13	7·62	Feb. 1 (11 obs.)	3	3	18·87	11·19	6·63
Feb. 16	2	2	17·16	9·27	6·99	2	very	bad.	17·85	9·69	5·46
						3	3	2 3	18·69	11·10	6·78
						4	4	4	20·73	11·55	6·63
						5	4	4	19·14	9·87	5·91
1894.						7	1–2	2–3	16·26	10·29	6·78
Jan. 20	1–2	1–2	18·24	11·07	6·00	(15 obs.)					
27	3	2	16·11	10·35	6·78	8	very	bad.	17·49	7·95	diffused
28	3	2	18·48	10·74	6·69	9	1 2	1–2	13·56	8·46	5·40
29	2–3	2	15·30	9·87	6·42	10	1–2	1–2	14·67	8·28	5·40
30	1	2	14·82	8·91	5·91	11	3	3	19·83	12·30	7·95
31	2–3	2–3	18·00	9·66	6·63	12	4	4	22·95	12·30	6·54

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Date.	Definition.		Mean Diameters in Seconds of Arc.		
	I.	S.	1 Star $7^m·6$.	5 Stars, average 8·6.	3 Stars, average 9·6.
1894—*cont.*			"	"	"
Feb. 13 (22 obs.)	1–2	1–2	14·01	8·25	5·52
14	2–3	3	17·53	9·93	5·91
15	4	4	18·12	9·54	diffused
16	4	4	10·20	5·64	faint
17	3	2–3	16·50	9·57	5·61
18	4	2	17·88	10·74	6·48
23	2	3	15·54	9·30	6·18
25 (2 obs.)	4	4	20·28	10·14	diffused
26	3	4	19·29	10·05	5·40
Mar. 3 (2 obs.)	2	2	13·94	8·58	5·54
6	1	2	13·29	8·01	5·40
7	3–4	3–4	20·40	11·10	6·09
8	1–2	1–2	14·55	8·73	5·91
9	1–2	1–2	13·92	8·73	5·61
10	2	2	13·47	8·59	5·25
14	1	2–3	13·89	8·23	5·40
17	1–2	2–3	14·64	9·45	6·06
21	2	2	15·18	8·97	5·79
22	2	2	15·12	8·55	4·74
24	1	1	12·48	7·50	5·07
26	1	1	13·38	8·91	5·13
28	2	2	15·75	9·24	5·37
1894—*cont.*			"	"	"
Apr. 1	1–2	1–2	12·27	6·96	4·20
13 (22 obs.)	2	3	15·30	9·30	6·39
25 (12 obs.) Elliott's plates.	2	3	15·69	9·39	6·51
Dec. 12 (15 obs.)	2	2	14·97	8·79	5·97
18 (15 obs.)	2–3	2–3	16·17	9·84	6·69
30 (21 obs.)	3	2	20·16	12·72	8·52
1895.					
Jan. 5	hazy.		15·03	8·37	5·22
23 (23 obs.)	2	3	17·43	10·62	7·20
29 (23 obs.)	3	3–4	20·25	12·39	8·07
Apr. 5 (3 obs.)	2–3	3	17·79	10·92	8·04
10 (21 obs.)	2	2	15·45	9·00	8·24

The variation of the diameters appears at first sight very perplexing in view of the fact that the diameter of each disc has been measured four times with very closely accordant results—none of the single diameters being uncertain to ± 0″·5, and the probable error is much less. Groups II. and III. also depend on 5 and 3 stars respectively, and on some of the plates the number of different exposures rises from 15 upwards to 23, and for these plates the diameters of all the discs of the comparison stars were measured, and the means taken. (The reason why so many exposures were made on the same plate was to obtain, during the period of rapid change, the exact form of the light curve of the variable star.) All the plates were taken with the 13-inch Astrophotographic telescope, exposure 6 minutes throughout. But when the results are grouped according to atmospheric definition, it will be seen how fully the discrepancies are explained by changes in quality and steadiness of the images.

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The quality of the definition is described under two heads ; I. denotes the quality of the images, S. the steadiness of the images, according to the following scale:—

I.	S.
1. Images perfect (rings sharp and steady).	1. Absolutely steady.
2. „ good (rings disturbed).	2. Fairly steady.
3. „ poor (rings lost in disc), image rather diffused.	3. Unsteady.
4. „ very bad, disc an agitated nebulous mass.	4. Wildly unsteady.

Intermediate qualities are denoted 2-3, 3-4, &c.

The results thus arranged are given in the following table:—

Number of Observations.	Maker of Plate.	Date.	Definition.		Diameter in Seconds of Arc.			Number of Observations.	Maker of Plate.	Date.	Definition.		Diameter in Seconds of Arc.		
			I.	S.	1 Star, $7^{m}\cdot6$.	5 Stars, average $8\cdot6$.	3 Stars, average $9\cdot6$.				I.	S.	1 Star, $7^{m}\cdot6$.	5 Stars, average $8\cdot6$.	3 Stars, average $9\cdot6$.
					″	″	″						″	″	″
1	M	1893 Jan. 10	1	2–3	16·41	11·13	7·62	1	M	1894 Jan. 29	2–3	2	15·30	9·87	6·42
1	M	1894 Jan. 30	1	2	14·82	8·91	5·91	1	M	31	2–3	2–3	18·00	9·66	6·63
1	M	Mar. 6	1	2	13·29	8·01	5·40	1	M	Feb. 14	2–3	3	17·53	9·93	5·91
1	M	14	1	2–3	13·89	8·23	5·40	15	E	Dec. 18	2–3	2–3	16·17	9·84	6·69
1	L	24	1	1	12·48	7·50	5·07	3	E	1895 Apr. 5	2–3	3	16·79	10·92	8·04
1	M	26	1	1	13·38	8·91	5·13	1	M	1894 Jan. 27	3	2	16·11	10·35	6·78
1	M	Jan. 20	1–2	1–2	18·24	11·07	6·00	1	M	28	3	2	18·48	10·74	6·69
15	M	Feb. 7	1–2	2–3	16·26	10·29	6·78	11	M	Feb. 1	3	3	18·87	11·19	6·63
1	M	9	1–2	1–2	13·56	8·46	5·40		M	3	3	2–3	18·69	11·10	6·78
1	M	10	1–2	1 2	14·67	8·28	5·40	1	M	11	3	3	19·83	12·30	7·95
22	M	13	1–2	1–2	14·01	8·25	5·52	1	M	17	3	2–3	16·50	9·57	5·61
1	M	Mar. 8	1–2	1–2	14·55	8·73	5·91	1	M	26	3	4	19·29	10·05	5·40
1	M	9	1–2	1–2	13·92	8·73	5·61	21	E	Dec. 30	3	2	20·16	12·72	8·52
1	M	17	1–2	2–3	14·64	9·45	6·06	23	E	1895 Jan. 29	3	3–4	20·25	12·39	8·07
1	M	Apr. 1	1–2	1–2	12·27	6·96	4·20	1	M	1894 Feb. 2	Very bad.		17·85	9·69	5·46
1	M	1893 Feb. 16	2	2	17·16	9·27	6·99	1	M	8	,,		17·49	7·95	diffused.
1	M	1894 Feb. 23	2	3	15·54	9·30	6·18	1	E	1895 Jan. 5	Hazy.		15·03	8·37	5·22
2	M	Mar. 3	2	2	13·94	8·58	5·54	1	M	1894 Mar. 7	3–4	3–4	20·40	11·10	6·09
1	M	10	2	2	13·47	8·59	5·25	1	M	Feb. 4	4	4	20·73	11·55	6·63
1	M	21	2	2	15·18	8·97	5·79	1	M	5	4	4	19·14	9·87	5·91
1	L	22	2	2	15·12	8·55	4·74	1	M	12	4	4	22·95	12·30	6·54
1	M	28	2	2	15·75	9·24	5·37	1	M	15	4	4	18·12	9·54	diffused.
22	M	Apr. 13	2	3	15·30	9·30	6·39	1	M	16	4	4	*10·20	5·64	faint.
12	M	25	2	3	15·69	9·39	6·51	1	M	18	4	2	17·88	10·74	6·48
15	E	Dec. 12	2	2	14·97	8·79	5·97	2	M	25	4	4	20·28	10·14	diffused
23	E	1895 Jan. 23	2	3	17·43	10·62	7·20								
21	E	Apr. 10	2	2	15·45	9·00	8·24								

M. = Mawson plate }
L. = Lumière „ } E. being the most rapid.
E. = Elliott „ }

In three cases where I. and S. has only been recorded as "very bad" or "hazy" the observations are recorded between 3 and 4.

* Probably hazy also.

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Taking, in the first place, the means of the results grouped according to quality of images, and separating also the results obtained with different kinds of plates, we obtain the following results :—

MAWSON PLATES.
Mean Diameters of Discs.

Images.	No. of Plates.	Group I. Mag. 7·6.		Group II. Mag. 8·6.		Group III. Mag. 9·6.	
		″	″	″	″	″	″
1	5	14·36	14·56	9·04	8·95	5·89	5·71
1–2	9	14·68		8·91		5·65	
2	8	15·25	15·71	9·08	9·28	6·00	6·09
2–3	3	16·94		9·82		6·32	
3	7	18·25	19·07	10·76	10·91	6·55	6·46
3–4 and 4	5	20·22		11·11		6·33	
ELLIOTT AND FRY PLATES.							
		″		″		″	
2	3	15·95		9·47		7·14	
2–3	2	16·98		10·38		7·37	
3	2	20·21		12·56		8·30	

Or, if grouped according to steadiness of images :—

MAWSON PLATES.
Mean Diameters of Discs.

Steadiness.	No. of Plates.	Group I. Mag. 7·6.		Group II. Mag. 8·6.		Group III. Mag. 9·6.	
		″	″	″	″	″	″
1	1	13·38	14·31	8·91	8·67	5·13	5·39
1–2	7	14·46		8·64		5·43	
2	11	15·58	15·88	9·39	9·60	6·06	6·20
2–3	7	16·34		9·92		6·41	
3	6	17·13	18·66	10·25	10·58	6·59	6·37
3–4	1	20·40		11·10		6·09	
4	4	20·53		10·94		6·12	
ELLIOTT AND FRY PLATES.							
				″			
2	3	16·86		10·17		7·58	
2–3	1	16·17		9·84		6·69	
3	2	17·61		10·77		7·62	
3–4	1	20·25		12·39		8·07	

These results are exhibited graphically in Plate IV.

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DIAGRAM SHEWING THE RELATION OF DIAMETER TO MAGNITUDE WITH MAWSON PLATES IN A CLEAR SKY:
13 INCH TELESCOPE. EXPOSURE 6m.

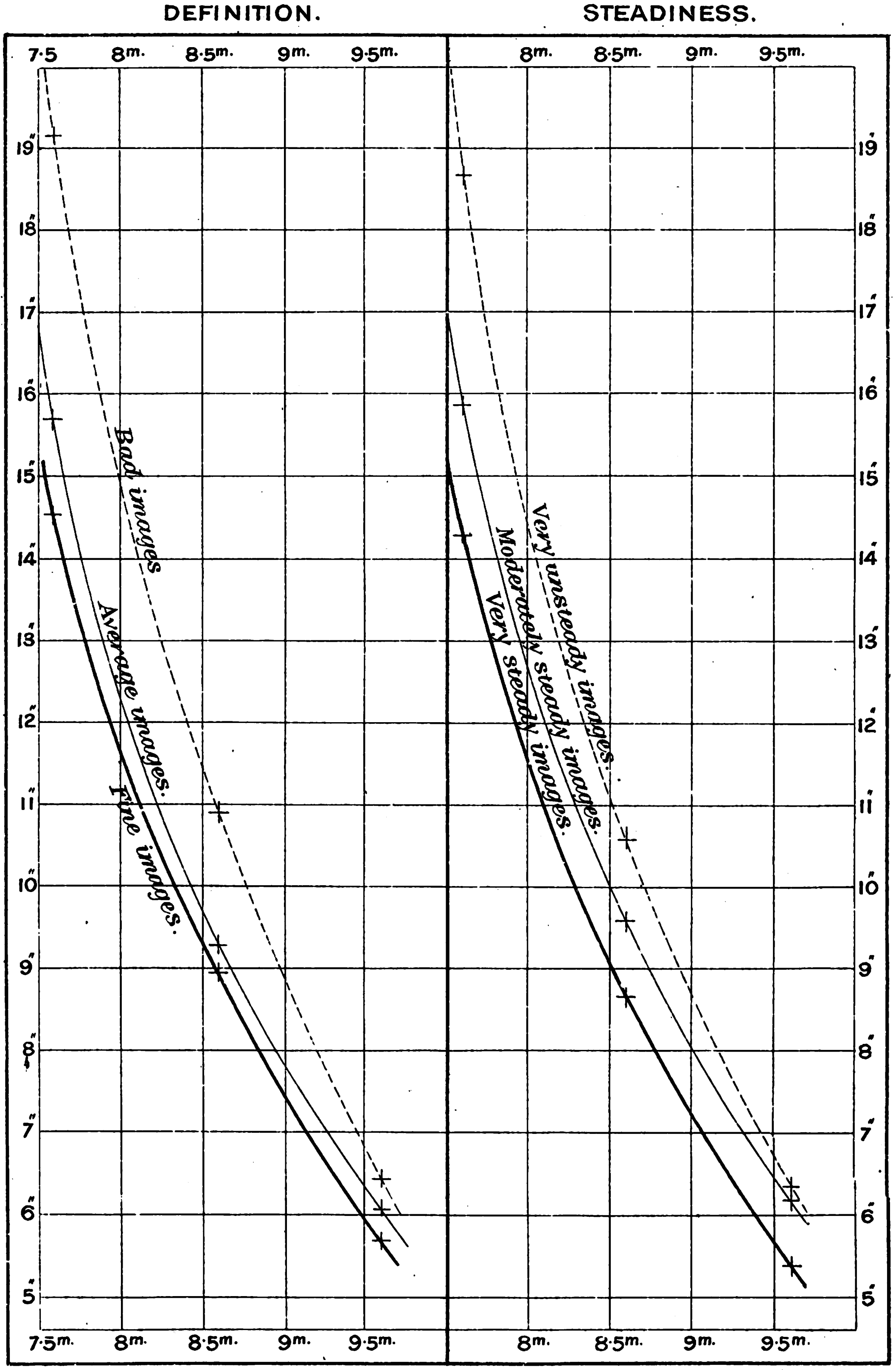

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PLATE IV.

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In these figures equal weight has been given to the results of each plate, disregarding the number of images on each, and this chiefly because of possible uncertainty in the observer's estimate of the quality and steadiness of the images.

This latter uncertainty is much diminished if the definition is divided into three classes only, viz., good, indifferent, and bad. The following diagrams exhibit the magnitude curves classed, on this plan, both according to quality of images and steadiness.

Unfortunately the effect of quality of the images cannot be satisfactorily separated from that of steadiness, as when one is good the other is generally good, or at least the observer is apt to estimate it so and *vice versâ*. But the results are perfectly conclusive as to the large effect of atmospheric disturbance and of the sensitiveness of the plates on the magnitude-constants, and they prove also that, for purposes of exact determination of magnitude, it is necessary to determine independent magnitude-constants for each plate.* Thus the values of the magnitudes published in the present work would be entirely satisfactory, provided that the photographic magnitudes in Gould's zones had been accurately known. But there are, necessarily, a comparatively small number of the brighter class of stars on each plate, and these few may chance to be chiefly abnormally red or abnormally blue, so that their mean photographic magnitude may differ very sensibly from their mean visual magnitude. The fainter stars are comparatively numerous, so that, apart from the systematic difference depending on galactic latitude, &c., their mean visual and photographic magnitudes are probably alike. Thus, whilst the curve which expresses the relation of diameter to magnitude for any plate is probably very accurate for the fainter stars, it may be less accurate for some plates in regard to the brighter stars.

As already mentioned, there may be also other errors depending on a change in Gould's estimates of magnitude from time to time, so that successive zones may systematically differ; and, besides the systematic difference between visual and photographic magnitudes depending on galactic latitude, it is not impossible that there are special regions of the sky where similar local differences occur. But if the true values of the constants connecting diameter and photographic magnitude could be determined for each plate, the absolute photographic magnitude for each star in the present catalogue could, for the limits of magnitude 7·0 to 10·0, be relied upon nearly to ± 0·10 magnitude.

In what manner then can these constants be accurately determined ?

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* This latter conclusion is more clearly proved by reference to the results of individual plates, because, in the means, the conditions of steadiness and goodness of the images are not sufficiently separated.

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There appears to be but one practical plan, it is this :

1. Adopt certain areas not far from the equator, symmetrically distributed in Right Ascension, in which the visual magnitudes of the stars have been determined by accurate photometric processes. (One would naturally adopt the well-known Kapteyn-Pritchard areas.)

2. Selecting a night of clear sky and freedom from moonlight, let the polar area and one of these areas be photographed, immediately after each other, on the same plate ; then, from the diameters of the discs of the stars on the equatorial area and the known magnitudes ot the stars on that area, determine the magnitude constants of that plate.

3. With these magnitude constants and the observed diameters of the discs of the polar stars, derive the magnitudes of the stars on the polar area, applying, of course, the necessary corrections for difference of zenith distance.

4. Derive the magnitudes of the stars of the circumpolar area in the same way from comparison with each of the selected equatorial areas, and adopt the mean magnitude so found for each star of the circumpolar area.

5. If necessary, reverse the process and determine from the definitive magnitudes of the circumpolar stars, the definitive magnitudes of the stars of the equatorial areas. (It would, perhaps, be desirable, in this way, to render every standard area equally available as a standard of magnitude.)

6. This done, let a picture be taken with the Astrophotographic telescope of an area in the centre of one of the Durchmusterung plates, and immediately afterwards, on the same plate, a picture of the polar area. From a comparison of the diameters of the star discs on both plates (or of a selected list of these diameters) combined with the known photographic magnitudes of the polar stars, the true photographic magnitudes of a number of stars on the 2° × 2° area in the centre ot the Durchmusterung plate can be determined.

7. A comparison of these magnitudes with the Cape Durchmusterung magnitudes of the same stars, would give the law of difference between the true and previously adopted magnitudes for that plate.

8. By repeating this process for each of the 613 definitive plates of the Durchmusterung, the true photographic magnitudes of all the stars in the catalogue could be very accurately determined.

The proposed work is, of course, a very considerable one, but its results would well repay the labour, for, if carried out, it would provide the requisite data for obtaining definitive magnitude standard stars for all the International Catalogue plates from Declination $-19°$ to the South Pole.

If we find it possible to complete this additional work, the results will be published in a fourth volume, containing also special observations on new or suspected variable stars, special meridian observations for suspected proper motions, and other researches which have arisen in course of the work.

The present publication will contain the following catalogues, in three volumes, viz. :—

Part 1.	...	Declination	$-18°$	to	$-37°$
„ 2.	...	„	$-38°$	„	$-52°$
„ 3.	...	„	$-53°$	„	$-90°$

DAVID GILL.

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REJECTED DURCHMUSTERUNG PLATES, ZONES $-57\frac{1}{2}^\circ$ TO -30°, TAKEN WITH THE 69-INCH "DALLMEYER" LENS, SOME OF WHICH ARE DUPLICATED WITH THE "NASMYTH" LENS.

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	m	
1887	October	6	804	$-55\frac{1}{2}^\circ$	0 0 0	60	+ 60	Fleecy cloud passing.
		25	842			60	+ 26	Definition poor.
		13	820		0 26 40	60	+ 42	Definition very bad.
		25	843			30	+ 22	Definition indifferent.
	November	5	889		0 53 20	30	+ 30	Definition poor.
		14	911			30	+ 26	Definition fair.
		5	890		1 20 0	30	+ 41	Definition poor.
		12	902			30	+ 13	Definition good.
	October	19	827		1 46 40	30	+ 30	Definition poor.
	November	3	874			30	+ 14	Definition bad; hazy.
		25	967		2 13 20	30	+ 8	Definition bad.
		29	977			30	+ 27	" "
		24	965			27	+ 53	27^m only (extra).
		2	865		2 40 0	30	+ 46	Definition fair.
		7	897			30	+ 19	Definition good.
		9	828		3 6 40	30	+ 15	Definition indifferent.
		25	969			30	+ 31	Definition fair.
	October	21	838			10	+ 15	Clouded up.
		13	821		3 33 20	30	+ 31	Definition very bad.
	November	7	898			30	+ 45	Definition good.
	October	19	829		4 0 0	30	+ 33	Definition bad.
	November	15	925			30	+ 29	Definition poor.
		7	899		4 26 40	30	+ 42	Unsteady.
		19	937			30	+ 54	Definition bad.
		15	926		4 53 20	30	+ 21	Definition poor.
		23	961			30	+ 36	Part hazy.
1888	January	6	1082		5 20 0	30	+ 12	Definition very good.
		31	1138			60	+ 42	
		16	1110			60	+ 30	Definition variable.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	m	
1887	October	19	830	— 55½	5 20 0	60	+ 43	Wrong guiding star.
	November	2	868			30	+ 22	Hazy.
		23	962		5 46 40	30	+ 18	Definition fair.
	December	5	990			30	+ 33	" "
	November	25	973			30	+ 37	Hazy.
	February	27	580		6 13 20	60	+ 40	Definition fair; also Nasmyth.
	March	7	585			60	+ 50	Definition poor; also Nasmyth.
	February	20	579			60	+ 35	12ᵐ hazy; also Nasmyth.
	March	1	583		6 40 0	60	+ 30	Definition fair; also Nasmyth.
		9	589			60	+ 40	Definition bad; also Nasmyth.
		6	584		7 6 40	60	+ 40	Definition poor; also Nasmyth.
		26	612			60	+ 33	Definition fair; also Nasmyth.
		21	606			60	+ 32	Definition very bad; only Nasmyth kept.
	February	27	581		7 33 20	60	+ 40	Definition fair; also Nasmyth.
	March	18	601			60	+ 29	" "
		7	586		8 0 0	60	+ 27	" "
		9	590			60	+ 40	Definition bad; also Nasmyth.
		17	599		8 26 40	60	+ 37	Definition fair; also Nasmyth.
		21	607			60	+ 32	Definition poor; also Nasmyth.
	February	27	582		8 53 20	60	+ 32	Definition fair; also Nasmyth.
	March	10	593			60	+ 46	Definition bad; also Nasmyth.
		7	587		9 20 0	60	+ 36	Definition poor; also Nasmyth.
		8	588			60	+ 33	Lens wet; also Nasymth.
		17	600		9 46 40	60	+ 30	Definition fair; also Nasmyth.
		21	608			60	+ 26	Definition bad; also Nasmyth.
		18	603		10 13 20	60	+ 44	Definition fair.
		22	610			60	+ 25	" "
	April	28	642		10 40 0	60	+ 42	Definition fair; also Nasmyth.
	May	23	656			60	+ 55	" "
	April	27	639		11 6 40	60	+ 45	" "
	May	27	659			60	+ 43	" "
	March	22	611			60	+ 52	Hazy; also Nasmyth.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	m	
1887	May	28	662	— 55½°	11 33 20	60	+ 25	Definition fair ; also Nasmyth.
	June	6	664			60	+ 55	Badly followed ; also Nasmyth.
	May	23	657		12 0 0	60	+ 50	Definition fair ; also Nasmyth.
	June	8	666			60	+ 39	" "
	April	27	640		12 26 40	60	+ 35	" "
	May	10	652			60	+ 32	" "
	June	17	680		12 53 20	60	+ 26	Definition bad ; also Nasmyth.
		29	689			60	+ 31	Definition good ; also Nasmyth.
		16	679			85	+ 47	Lens wet ; also Nasmyth.
		8	667		13 20 0	60	+ 29	Definition fair ; also Nasmyth.
		9	670			60	+ 26	" "
	May	27	661		13 46 40	60	+ 27	" "
	June	11	673			60	+ 25	" "
		9	671		14 13 20	60	+ 43	" "
	July	19	703			60	+ 66	" "
		22	685			60	+ 45	? Haze ; also Nasmyth.
	June	8	668		14 40 0	60	+ 25	Definition fair ; also Nasmyth.
		11	674			60	+ 25	" "
		4	692		15 6 40	60	+ 35	Definition good ; also Nasmyth.
	July	18	700			60	+ 30	" "
	May	12	654		15 33 20	60	+ 30	Definition fair ; also Nasmyth.
	July	20	706			60	+ 45	" "
	June	22	686			60	+ 45	? Haze ; also Nasmyth.
	July	5	696		16 0 0	60	+ 40	Definition good ; also Nasmyth.
		18	701			60	+ 45	" "
		14	699			60	+ 32	Hazy ; also Nasmyth.
		4	693		16 26 40	60	+ 25	Definition good ; also Nasmyth.
		25	711			60	+ 33	Lenses moist early ; also Nasmyth.
		21	709			55	+ 27	Hazy ; also Nasmyth.
	May	12	655		16 53 20	60	+ 25	Definition fair ; also Nasmyth.
	July	19	705			60	+ 49	" "
		18	702		17 20 0	60	+ 40	Lens wet at end ; also Nasmyth.
	August	7	725			60	+ 37	Slight haze ; also Nasmyth.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 August	1	714	— 55½°	17 20 0	60	+ 0 37	Hazy ; also Nasmyth.
September	3	751		17 46 40	60	+ 0 34	Definition bad.
	9	761			60	+ 0 78	Definition fair.
August	22	741			20	+ 0 15	Accident to instrument.
	23	742			60	+ 0 26	
September	2	750			55	+ 0 27	Cloud from S.W.
August	10	730		18 13 20	60	+ 0 35	Definition fair.
September	1	747			60	+ 0 37	Hazy.
August	6	722		18 40 0	60	+ 0 31	Definition good ; also Nasmyth.
	16	732			60	+ 0 36	Definition fair.
September	13	767		19 6 40	60	+ 0 30	" "
	14	770			60	+ 0 60	" "
August	16	733		19 33 20	60	+ 0 55	" "
September	23	790			60	+ 0 49	" "
August	19	736			31	+ 0 30	Hazy at times.
September	1	748			60	+ 0 27	Lens wet; hazy.
	17	776		20 0 0	60	+ 0 30	Hazy.
	20	780			60	+ 0 48	Definition fair.
	13	768		20 26 40	60	+ 0 37	" "
	14	771			60	+ 0 57	" "
	19	779		20 53 20	60	+ 0 25	" "
	23	791			60	+ 0 36	" "
	20	781		21 20 0	60	+ 0 38	" "
	21	786			60	+ 0 55	" "
	22	789		21 46 40	60	+ 0 26	Faint haze.
October	12	813			60	+ 0 37	Definition fair.
	19	823		22 13 20	30	+ 0 9	" "
November	12	900			30	+ 1 52	Definition good.
October	6	803		22 40 0	60	+ 0 35	" "
	12	814			60	+ 0 52	Definition fair.
October	28	852		23 6 40	30	+ 0 30	" "
November	4	876			30	+ 0 36	Definition bad.
October	21	834			30	+ 0 11	Haze.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 October	26	849	−55½°	23 6 0	30	+ 0 33	Haze.
November	5	887		23 33 20	30	+ 0 19	Definition poor.
	7	892			30	+ 0 11	Definition fair.
1888 September	24	1662		17 20 0	40	+ 4 1	? Haze.
October	2	1692			30	+ 4 8	Definition very good.
September	28	1672		17 46 40	35	+ 3 54	Definition variable; haze.
October	1	1683			35	+ 3 59	Definition wavering.
	2	1693			30	+ 4 17	Definition very good.
September	24	1663		18 13 20	40	+ 3 52	? Haze.
	28	1673			35	+ 4 10	Definition variable; haze.
October	1	1684			40	+ 4 20	Definition wavering.
1889 January	14	2004		3 33 20	31½	+ 1 21	Definition fair.
	18	2015		6 40 0	31	+ 1 0	" "
	24	2041			32	− 1 34	Definition poor.
	29	2050			32	− 1 22	Definition fair.
	24	2042		7 6 40	30	− 1 12	Definition poor.
	30	2056			33	− 1 45	Definition fair.
	30	2057		7 33 20	30	− 1 17	" "
	31	2065			34	− 2 5	" "
	24	2043		8 0 0	33	− 0 54	Definition poor.
	30	2058			30	− 1 2	Definition fair.
	24	2044		8 26 40	30	− 0 41	Definition poor.
	30	2059			30	− 0 52	Definition fair.
	31	2066		8 53 20	33	− 1 57	" "
February	4	2069			37	− 1 25	Very hazy.
	5	2076			37	− 3 3	Definition fair.
January	31	2067		9 20 0	32	− 1 31	" "
February	4	2070			42	− 0 58	Very hazy.
	5	2077			33	− 2 38	Definition fair.
	5	2078		9 46 40	37	− 2 32	" "
	13	2110			40	− 3 34	" "
	5	2079		10 13 20	37	− 2 13	" "
	13	2111			40	− 3 12	" "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1889	April	30	2277	— 55½	10 40 0	45	+ 0 17	Definition good.
	February	13	2112			37	— 2 42	Definition fair.
		5	2080			42	— 1 16	Doubled image ; definition fair.
		5	2081		11 6 40	31	0 0	Definition fair.
		13	2113			36	— 2 32	" "
	April	30	2278			45	+ 0 41	Definition good.
	February	13	2114		11 33 20	35	— 2 17	Definition fair.
	April	24	2264			45	+ 0 52	" "
	February	13	2115		12 0 0	30	— 2 3	" "
	April	25	2270			43	+ 0 29	Followed badly ; 8½ mag.
		30	2279			50	+ 0 43	Definition good : hazy.
		24	2265		12 26 40	40	+ 1 55	Definition fair ; hazed up.
		25	2271			45	+ 0 47	Definition fair.
	May	10	2304		12 53 20	53	+ 0 23	First 20^{m} hazy.
		11	2315			45	+ 0 15	Definition fine.
		10	2305		13 20 0	45	+ 0 47	Definition fair.
		24	2345			45	+ 1 2	Definition good.
		23	2332			45	+ 1 12	Wrong star taken.
	April	21	2242		13 46 40	45	+ 0 28	Definition bad.
	May	11	2316			45	+ 0 16	Definition fine.
	April	21	2243		14 13 20	45	+ 0 55	Definition fair.
	May	10	2306			45	+ 0 42	" "
	April	21	2244		14 40 0	45	+ 0 20	Definition poor.
	May	11	2317			45	+ 0 16	Definition fine.
		23	2334		15 6 40	45	+ 1 22	Definition fair.
		24	2347			45	+ 0 52	Poor ; lens wet at end.
	June	6	2394			45	+ 1 8	Definition good.
	May	24	2348		15 33 20	45	+ 1 14	" "
		24	2349			45	+ 2 6	" "
		23	2336			45	+ 2 40	Definition fair.
	April	21	2245		16 0 0	45	+ 0 52	" "
	May	23	2335			45	+ 1 22	" "
		23	2337		16 26 40	45	+ 2 42	" "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1889	May	24	2350	— 55½°	16 26 40	45	+ 2 2	Definition good.
	April	21	2246		16 53 20	45	+ 0 52	Definition fair.
	May	10	2308			45	+ 0 16	" "
		10	2309		17 20 0	44	+ 0 38	" "
		23	2338			45	+ 2 42	" "
	April	21	2247		17 46 40	45	+ 0 45	Definition poor.
	May	9	2299			45	+ 0 57	Definition fair.
		10	2310		18 13 20	45	+ 0 54	Definition fine.
		24	2352			45	+ 1 57	Definition good.
		9	2300		18 40 0	45	+ 0 57	Definition fair.
		10	2311			45	+ 1 2	Definition fine.
1887	September	21	786		21 20 0	60	+ 0 55	
	October	28	853	— 51½°	0 0 0	30	+ 0 15	Definition bad.
	November	2	862			30	+ 0 35	Definition good.
	October	28	854		0 24 0	34	+ 0 31	Occasional cloud.
	November	5	888			30	+ 0 21	Definition fair.
		23	957		0 48 0	30	+ 0 15	" "
		25	966			30	+ 0 23	Definition bad.
	October	25	844		1 12 0	30	+ 0 16	Definition indifferent.
		28	855			30	+ 0 20	Definition fair.
	November	14	912		1 36 0	30	+ 0 28	Definition bad.
	December	7	997			30	+ 0 15	Definition very good.
	November	23	958			30	+ 0 15	15m streaky sky.
		24	964			50	+ 0 35	Three interruptions.
		2	864		2 0 0	35	+ 0 20	Patches of cloud passing.
		12	903			30	+ 0 15	Definition good.
		5	891		2 24 0	30	+ 0 18	Definition poor.
		14	913			30	+ 0 20	Definition very bad.
		25	968		2 48 0	30	+ 0 16	Definition fair.
		29	978			30	+ 0 35	" "
	October	25	845			30	+ 0 38	Definition good; stars faint.
		28	856		3 12 0	30	+ 0 34	Hazy at times.
	November	22	952			30	+ 0 36	Definition fair.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	m	
1887 October	23	959	— 51½°	3 36 0	30	+ 31	Haze.
November	25	970			30	+ 35	„
October	28	857		4 0 0	60	+ 34	Definition good.
November	14	915			60	+ 41	Definition poor.
November	2	867		4 24 0	30	+ 33	Hazy.
	25	871			30	+ 34	„
October	28	858		4 48 0	30	+ 34	Hazy, fine } Confusion in getting guiding star.
1888 January	4	1064			30	+ 34	Hazy, good, interrupted }
	19	1117			60	+ 30	Bad definition }
	20	1121			60	+ 30	„ „ }
1887 October	20	831		5 12 0	35	+ 22	Hazy.
November	14	916			30	+ 23	„
1888 January	6	1083		5 36 0	30	+ 32	Definition very good.
	19	1118			60	+ 45	Definition bad.
	20	1122			60	+ 48	„ „
1887 October	25	847		6 0 0	30	+ 22	Definition fine.
	28	859			30	+ 30	Definition variable; bad.
March	10	591		6 24 0	60	+ 43	Definition bad; also Nasmyth.
November	15	928			30	+ 14	Definition fair.
March	11	594		6 48 0	60	+ 39	Definition fair; also Nasmyth.
December	5	991			30	+ 31	Definition variable.
1888 March	7	1180			30	+ 19	Definition fair.
1887 March	17	598		7 12 0	60	+ 35	Definition fair; also Nasmyth.
1888 January	21	1067			30	+ 20	Definition good.
1887 March	10	592		7 36 0	60	+ 48	Definition bad; also Nasmyth.
	19	604			60	+ 30	Definition fair; also Nasmyth.
	11	595		8 0 0	60	+ 40	„ „
	22	609			60	+ 30	„ „
	26	613		8 24 0	60	+ 30	„ „
	30	618			60	+ 38	Lens dewed; also Nasmyth.
	19	605		8 48 0	65	+ 34	Cloudy at times; also Nasmyth.
April	6	621			60	+ 39	Bad plate; also Nasmyth.
March	11	596		9 12 0	60	+ 42	Definition fair; also Nasmyth.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	m	
1887 March	18	602	— 51½	9 12 0	60	+ 31	Definition fair ; also Nasmyth.
April	14	628		9 36 0	60	+ 34	„ „
	29	644			60	+ 29	„ „
	6	622		10 0 0	60	+ 37	Definition poor ; also Nasmyth.
1888	7	1253			30	+ 42	Definition good.
January	20	1124			60	+ 38	Hazy.
		1154			50		„
March	29	1244			30	+ 35	„
May	9	1324		10 24 0	34	+ 19	„
	9	1325			40	+ 61	„
1887 April	14	629		10 48 0	60	+ 34	Definition fair ; also Nasmyth.
	29	645			60	+ 31	„ „
April	6	623		11 12 0	50	+ 34	Cloud from S.W. ; also Nasmyth.
May	10	651			60	+ 33	Definition fair ; also Nasmyth.
June	9	669		11 36 0	60	+ 60	„ „
	11	672			60	+ 70	„ „
April	28	643		12 0 0	60	+ 32	„ „
	29	646			60	+ 30	„ „
May	27	660		12 24 0	60	+ 38	„ „
	28	663			60	+ 50	Lens dewed ; also Nasmyth.
June	22	684		12 48 0	60	+ 45	? Hazy ; also Nasmyth.
1888 April	28	1291			40	+ 57	Hazy.
March	8	1194			13	+ 13	Clock stopped.
May	8	1317			30	+ 16	Definition fair.
June	19	1381			30	+ 55	Definition good ; haze.
1887 July	5	694		13 12 0	60	+ 66	Definition good ; also Nasmyth.
1888 May	8	1318			30	+ 35	Definition good.
June	7	1352			30	+ 51	Definition fair.
1887 June	13	676		13 36 0	60	+ 35	Definition fair ; also Nasmyth.
	25	687			60	+ 44	Definition good ; also Nasmyth.
	17	681		14 0 0	60	+ 32	Definition bad ; also Nasmyth.
July	4	691			60	+ 30	Definition good ; also Nasmyth.
May	9	649			20	+ 13	Clouded up ; also Nasmyth.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	m	
1887 June	29	690	— 51½°	14 0 0	35	+ 26	Lens wet ; also Nasmyth.
1888 March	7	1188		14 24 0	60	+ 55	Hazy.
	13	1216			60	+ 46	Definition fair.
1887 June	13	677		14 48 0	60	+ 35	Definition fair ; also Nasmyth.
July	5	695			60	+ 42	Definition good ; also Nasmyth.
	25	710		15 12 0	60	+ 34	,, ,,
August	2	715			60	+ 55	,, ,,
	6	720		15 36 0	60	+ 53	,, ,,
	10	728			60	+ 48	Definition fair.
	1	713			35	+ 30	Lens wet ; also Nasmyth.
July	19	704		16 0 0	60	+ 33	Definition fair ; also Nasmyth.
August	8	726			60	+ 50	,, ,,
	7	724			60	+ 42	Slight haze ; also Nasmyth.
	19	734		16 24 0	60	+ 71	Interrupted by cloud.
	20	737			60	+ 60	Definition fair.
July	20	707		16 48 0	60	+ 40	Definition fair ; also Nasmyth.
August	2	716			60	+ 34	Definition good ; also Nasmyth.
	6	721		17 12 0	60	+ 34	Large lens wet ; also Nasmyth.
	10	729			60	+ 30	Definition fair.
	16	731		17 36 0	60	+ 30	,, ,,
September	6	757			60	+ 54	Definition poor.
		727			15	+ 10	,, ,,
	12	764		18 0 0	60	+ 55	Definition fair.
	15	773			60	+ 75	,, ,,
1888 August	9	1538			30	+ 68	,, ,,
1887 September	3	752		18 24 0	60	+ 60	Definition bad.
	5	754			60	+ 32	Definition good.
August	20	738			20	+ 42	Clock wrong.
	23	743		18 48 0	60	+ 35	Definition fair.
September	7	760			60	+ 34	,, ,,
August	20	739		19 12 0	60	+ 40	,, ,,
	30	745			60	+ 40	,, ,,
September	5	755		19 36 0	60	+ 33	Definition good.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1887	September	12	765	— 51½°	19 36 0	60	+ 0 40	Definiton fair.
		6	758		20 0 0	60	+ 0 45	Definition poor.
		9	762			60	+ 0 25	Definition fair.
	August	23	744		20 24 0	60	+ 0 32	" "
	September	15	774			60	+ 0 30	" "
	August	30	746		20 48 0	65	+ 0 32	5^m hazy.
	September	26	795			60	+ 0 34	Hazy.
	August	20	740			60	+ 0 33	Definition fair.
	September	17	777			60	+ 0 60	Hazy.
	October	13	817		21 12 0	60	+ 0 34	Definition very bad.
		19	822			60	+ 0 46	Definition fair.
	September	15	775		21 36 0	60	+ 0 30	" "
1888	December	31	1945			44	+ 5 52	" "
1887	September	23	792			60	+ 0 37	Definition fair.
	October	25	840		22 24 0	30	+ 0 34	Definition good.
	November	3	870			30	+ 0 55	Definition poor; haze.
		2	860		22 48 0	30	+ 0 23	Definition good.
		5	886			30	+ 0 39	Definition poor.
	September	23	793		23 12 0	60	+ 0 38	Definition fair.
	October	13	819			60	+ 0 46	Definition very bad.
	September	21	787			60	+ 0 33	Lens wet.
		20	783		23 36 0	60	+ 0 42	Definition fair.
	October	21	835			30	+ 0 25	Slight haze.
1888	March	16	1226		8 48 0	15	+ 0 9	Clock stopped.
		16	1227		10 0 0	30	+ 0 21	Clock wrong.
1889	January	21	2025		7 36 0	35	— 0 96	Definition very bad.
		21	2026		8 48 0	35	— 2 4	" "
	April	21	2241		12 24 0	45	+ 0 60	Definition bad.
	May	23	2333		14 48 0	45	+ 0 33	Definition poor.
		24	2346			45	+ 0 23	Definition good.
		24	2351		16 48 0	45	+ 2 32	" "
		8	2290		22 0 0	45	— 1 53	Definition fair.
		11	2322			45	— 2 10	" "

REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	m	
1887	March	29	614	$-47\frac{1}{2}°$	7 30 0	60	+ 45	Definition fair; also Nasmyth.
		30	617		7 52 30	20	+ 8	Clock slowed; also Nasmyth.
	April	4	624			60	+ 40	15^m hazy; also Nasmyth image double.
		12	626		8 15 0	40	+ 40	Clouded up.
		14	627			60	+ 45	Definition fair; also Nasmyth.
	March	29	615		9 0 0	60	+ 30	" "
	April	21	635			60	+ 45	Definition good; also Nasmyth.
		23	637		9 22 30	60	+ 33	" "
		28	641			60	+ 38	Definition fair; also Nasmyth.
		7	625			60	+ 30	Definition bad.
	May	10	650		9 45 0	60	+ 50	Definition fair.
		12	653			60	+ 25	Definition fair; also Nasmyth.
	March	29	616		10 7 30	60	+ 35	" "
	April	21	636			60	+ 45	Definition good; also Nasmyth.
		15	630			60	+ 33	Hazy at end; also Nasmyth.
	June	13	675		12 0 0	60	+ 60	Definition fair; also Nasmyth.
		14	678		12 22 30	60	+ 39	Hazy; also Nasmyth.
	May	23	658		13 30 0	60	+ 35	Definition fair; also Nasmyth.
	September	19	778		19 30 0	60	+ 29	Definition fair.
		21	784			60	+ 27	" "
		22	788		20 37 30	60	+ 27	Faint haze.
	November	7	893	− 48	0 0 0	30	+ 21	Definition good.
		12	901			30	+ 54	" "
		3	872		0 24 0	30	+ 19	Definition bad; haze.
		7	894			30	+ 38	Definition good.
		2	863		0 48 0	30	+ 31	" "
		4	878			30	+ 31	Definition bad.
1889	March	11	2167		1 12 0	30	+ 60	Definition fair.
1887	November	7	895			30	+ 29	Definition good.
	October	21	836		1 36 0	30	+ 24	Hazy.
	November	4	879			30	+ 22	Definition bad.
		7	896		2 0 0	30	+ 21	Definition fine.
	December	7	998			30	+ 37	Definition very good.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 November	4	880	— 48°	2 24 0	30	+ 0 14	Definition bad.
	12	904			30	+ 0 30	Definition good.
December	5	986		2 48 0	30	+ 0 10	" "
	7	999			30	+ 0 20	Definition very good.
November	4	881		3 12 0	33	+ 0 31	Definition bad.
	14	914			30	+ 0 10	Definition fair.
	2	866		3 36 0	27	+ 0 39	" "
	12	905			30	+ 0 35	Definition good.
1889 January	11	1994			34	+ 0 24	" "
1887 November	4	882		4 0 0	30	+ 0 45	Definition bad.
	25	979			30	+ 0 35	Definition poor.
	22	953		4 24 0	30	+ 0 38	Definition fair.
	23	960			30	+ 0 23	Definition fair ; slight haze.
	4	883		4 48 0	30	+ 0 40	Definition bad.
	12	907			30	+ 0 48	Definition good.
1889 January	11	1995			32	+ 2 0	" "
1887 November	22	954		5 12 0	30	+ 0 42	Definition fair.
	29	980			30	+ 0 15	Definition very bad.
	14	917		5 36 0	30	+ 0 10	Definition poor.
	15	927			30	+ 0 21	Definition fair ; haze.
	4	884		6 0 0	30	+ 0 24	Definition bad.
	12	908			30	+ 0 24	Definition good.
	4	885		6 24 0	30	+ 0 41	Definition bad.
	25	974			30	+ 0 40	Hazy.
	14	918		6 48 0	30	+ 0 24	Definition poor.
December	11	1013			30	+ 0 32	Definition very good.
	11	1014		7 12 0	30	+ 0 57	" "
	13	1030			30	+ 0 47	Definition variable.
1888 March	3	1171			30	+ 0 33	Definition very bad.
1887 December	14	1037		7 36 0	30	+ 0 18	Definition variable.
1888 March	15	1220			30	+ 0 27	Definition good.
January	31	1140			60	+ 0 45	
March	9	1196			60	+ 0 50	Four interruptions by cloud.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 December	14	1038	− 48°	8 0 0	30	+ 0 43	Definition variable.
1888 March	3	1172			30	+ 0 22	Definition poor.
February	29	1168			30	+ 0 26	Definition fair.
1887 December	12	1023			20	+ 0 46	Definition very bad.
	13	1031		8 24 0	30	+ 0 19	Definition good.
	21	1056			30	+ 0 38	Definition variable.
	14	1106		8 48 0	30	+ 0 20	Definition fair; slight haze.
1888 March	10	1203			30	+ 0 20	Definition very bad.
January	14	1107		9 12 0	30	+ 0 35	Definition fair; slight haze.
	21	1129			60	+ 0 37	Poor plate.
March	7	1184			30	+ 0 18	Definition poor.
January	14	1108		9 36 0	30	+ 0 52	Definition good.
March	3	1175			30	+ 0 28	Definition fair.
	12	1209		10 0 0	30	+ 0 17	Definition poor.
	15	1224			30	+ 0 34	Definition good.
	12	1210		10 24 0	30	+ 0 29	Definition variable.
	27	1240			30	+ 0 25	Hazy.
1889 April	21	2239			45	+ 0 78	Definition very bad.
1888 March	31	1248			20	+ 0 15	Hazed up.
June	21	1399			30	+ 3 51	Definition fine; hazy.
March	29	1245		10 48 0	30	+ 0 25	Definition good.
April	10	1259			60	+ 0 35	Hazy towards end; definition good.
1889 April	21	2240			45	+ 0 44	Definition very bad.
1888 March	3	1176		11 12 0	38	+ 0 34	Definition good.
January	20	1125			60	+ 0 34	Definition fair.
June	20	1388			30	+ 0 65	Definition fine.
July	19	1474			30	+ 3 40	Definition bad.
April	7	1255		11 36 0	30	+ 0 40	Definition good.
	26	1280			30	+ 0 42	" "
July	18	1465			30	+ 3 39	Definition very bad.
June	18	1369			30	+ 0 46	Definition poor.
April	14	1265		12 0 0	30	+ 0 45	Definition good.
July	16	1447			30	+ 3 9	Definition very bad.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 March	7	1185	— 48°	12 24 0	30	+ 0 28	Hazy.
	9	1197			30	+ 0 27	Definition very bad.
	3	1178		12 48 0	30	+ 0 35	Definition variable.
April	14	1266			30	+ 0 37	Definition good.
March	9	1198			30	+ 0 46	Definition very bad.
June	20	1390			30	+ 0 31	Definition fine.
March	7	1186		13 12 0	30	+ 0 20	Hazy.
June	18	1371			30	+ 0 30	Definition fair.
March	3	1179		13 36 0	30	+ 0 29	Definition variable.
March	7	1187			30	+ 0 37	Hazy.
June	19	1382			30	+ 0 45	Definition good.
March	9	1199			30	+ 0 40	Definition bad.
March	13	1215		14 0 0	30	+ 0 24	Definition variable.
	14	1218			30	+ 0 29	Definition fair.
	12	1211			30	+ 0 23	Hazy.
	14	1219		14 24 0	15	+ 0 38	Definition fair; 15^m hazy.
	17	1233			30	+ 0 44	Definition good.
June	18	1373			30	+ 0 37	Definition fair.
March	12	1212			28	+ 0 65	Hazy; clock wrong.
	15	1225			30	+ 0 28	Definition good.
June	7	1354		14 48 0	30	+ 0 35	Definition fair; hazy at start.
	29	1401			30	+ 2 29	Definition good.
July	11	1421			30	+ 2 45	Definition fair.
April	28	1299			30	+ 0 55	Definition good.
	28	1300		15 12 0	30	+ 0 21	.. ..
May	8	1321			30	+ 0 34	Definition variable.
July	11	1422			30	+ 2 26	Definition fair.
April	28	1301		15 36 0	30	+ 0 47	Definition good.
June	30	1411			30	+ 2 57	.. ..
July	13	1441			30	+ 0 25	.. ..
May	3	1306		16 0 0	30	+ 0 25	Definition good; heavy dew.
July	17	1457			30	+ 2 44	Definition fair.
	11	1423			30	+ 2 21	,, ,,

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 May	3	1307	— 48°	16 24 0	30	+ 0 34	Definition good ; heavy dew.
June	6	1345			30	+ 0 23	Definition good.
July	17	1458			30	+ 3 0	Definition fair.
June	6	1346		16 48 0	30	+ 0 41	Definition good.
July	17	1459			30	+ 3 31	Definition fair.
	25	1501			30	+ 1 20	„ „
September	12	1628			15	+ 3 27	Definition very bad.
May	4	1308		17 12 0	30	+ 0 59	Definition good ; heavy dew.
October	22	1731			39	+ 4 31	Definition fair.
	24	1740			40	+ 3 51	„ „
July	28	1511		17 36 0	30	+ 0 61	„ „
October	22	1732			40	+ 4 57	„ „
July	28	1512		18 0 0	30	+ 3 1	„ „
October	22	1733			40	+ 4 27	„ „
	25	1748			40	+ 4 53	„ „
	24	1741		18 24 0	40	+ 3 51	„ „
November	1	1783			39	+ 4 40	„ „
	11	1807			43	+ 5 11	„ „
October	22	1734		18 48 0	40	+ 4 33	„ „
	25	1749			40	+ 4 51	„ „
November	1	1784		19 12 0	37	+ 4 34	„ „
	11	1808			43	+ 5 15	„ „
1887 September	26	794		19 36 0	60	+ 0 37	S.E. haze.
1888 October	22	1735			40	+ 4 31	Definition fair.
1887 October	12	812		20 0 0	60	+ 1 15	„ „
1888 October	25	1750			35	+ 4 22	„ „
1887 October	6	801		20 24 0	60	+ 0 30	Definition bad.
	11	809			58	+ 1 6	$0^h\ 22^m$ to 52^m, and $1^h\ 22^m$ to 50^m.
	10	805		20 48 0	60	+ 0 30	
	10	806			30	+ 1 22	Lens hazy at end.
	25	839		21 12 0	30	+ 0 49	Definition good.
1888 October	25	1751			40	+ 3 53	Definition fair.
1887 October	6	802		21 36 0	40	+ 0 27	„ „

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 October	21	832	− 48°	21 36 0	60	+ 0 42	Definition fair.
1888 November	1	1785			32	+ 3 2	" "
1887 September	26	796		22 0 0	60	+ 0 32	S.E. haze.
October	13	818			60	+ 0 51	Definition very bad.
1888 October	25	1752			35	+ 3 48	Definition fair.
1887 October	21	833		22 24 0	30	+ 0 17	" "
	26	848			30	+ 0 33	? Haze.
November	4	875		22 48 0	60	+ 0 41	Definition bad; haze.
	14	909			30	+ 1 12	Definition fair.
October	11	811			24	+ 0 17	Clouded up.
September	26	797		23 12 0	60	+ 0 38	S.E. haze.
October	25	841			30	+ 0 18	Definition bad.
November	2	861		23 36 0	30	+ 0 13	Definition good.
	3	871			30	+ 0 26	Definition poor.
1887 November	15	920	− 44°	0 0 0	30	+ 0 33	Definition bad.
	19	930			30	+ 0 22	Definition fair.
	15	921		0 22 30	40	+ 0 57	Definition bad.
	22	948			30	+ 0 41	Definition fair.
	19	931		0 45 0	30	+ 0 12	" "
	21	939			30	+ 0 13	Definition poor.
	19	932		1 7 30	30	+ 0 28	Definition fair.
	21	940			30	+ 0 30	Definition very bad.
	15	922		1 30 0	30	+ 0 24	Definition fair.
	22	949			30	+ 0 18	" "
	19	933		1 52 30	30	+ 0 21	Definition variable.
	21	941			30	+ 0 22	Definition very bad; hazy.
	15	923		2 15 0	30	+ 0 19	Definition poor.
	22	950			30	+ 0 13	Definition fair.
	15	924		2 37 30	30	+ 0 39	Definition bad.
	19	934			30	+ 0 15	Definition variable.
	21	942		3 0 0	30	+ 0 10	Definition very bad; hazy.
	22	951			30	+ 0 11	Definition fair.
1889 January	2	1948			32	+ 3 4	" "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 November	21	943	— 44°	3 22 30	30	+ 0 22	Definition very bad ; hazy.
December	5	987			30	+ 0 15	Definition good.
	5	988		3 45 0	30	+ 0 37	„ „
	7	1001			30	+ 0 40	Definition very good.
November	19	936		4 7 30	30	+ 0 29	Definition bad.
	21	944			30	+ 0 42	Definition very bad.
December	9	1010		4 30 0	30	+ 0 21	Definition fair.
	17	1042			30	+ 0 13	Definition good.
November	18	929			30	+ 0 28	Haze and cloud.
	21	945		4 52 30	30	+ 0 46	Definition bad.
December	5	989			30	+ 0 40	Definition fair.
	6	993		5 15 0	30	+ 0 35	Hazy.
	11	1011			30	+ 0 42	Definition variable.
November	29	981		5 37 30	30	+ 0 32	Definition poor.
December	6	994			30	+ 0 10	Hazy.
November	19	938			30	+ 0 28	Very bad definition.
	21	946		6 0 0	30	+ 0 21	Definition bad.
	22	955			30	+ 0 43	Definition fair.
	21	947		6 22 30	30	+ 0 41	? Haze.
	29	982			30	+ 0 30	Definition fair.
	22	956		6 45 0	30	+ 0 38	„ „
December	6	995			30	+ 0 39	Hazy.
November	29	983		7 7 30	30	+ 0 29	Definition bad.
December	6	996			30	+ 0 58	Hazy.
1888 March	8	1189			30	+ 0 31	Cracked ; definition bad.
	10	1201		7 30 0	30	+ 0 21	Definition very bad.
1889 January	22	2032			39	— 2 46	Definition fair.
1888 March	8	1190			30	+ 0 29	Definition bad.
January	4	1068		7 52 30	30	+ 0 45	Definition good.
March	10	1202			30	+ 0 37	Definition very bad.
January	6	1086		8 15 0	30	+ 0 37	Definition variable.
	16	1112			30	+ 0 20	„ „
	4	1069		8 37 30	30	+ 0 32	Definition good.

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Rejected Durchmusterung Plates—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 January	13	1098	— 44°	8 37 30	30	+ 0 20	Definition fair.
	11	1089			30	+ 0 39	Hazy and wrong guiding star.
	13	1099		9 0 0	30	+ 0 40	Definition fair.
1889 February	8	2087			40	— 0 37	Definition variable ; hazy.
1888 January	6	1087			30	+ 0 33	Wrong guiding star.
March	8	1192			30	+ 0 12	,, ,,
January	4	1070		9 22 30	30	+ 0 37	Definition good.
	16	1113			30	+ 0 25	Definition variable.
	6	1088		9 45 0	30	+ 0 45	Definition good.
March	24	1236			30	+ 0 40	Definition fair.
June	21	1397			31	+ 0 14	Definition fine ; hazy atmosphere.
January	11	1090			30	+ 0 38	Haze, and wrong star.
March	10	1204			30	+ 0 11	Poor.
January	13	1100		10 7 30	30	+ 0 15	Definition fair.
June	21	1398			30	+ 3 34	Definition fair ; hazy atmosphere.
1889 February	8	2088			40	— 2 55	Definition variable ; hazy.
1888 March	10	1205			30	+ 0 29	Poor.
1889 February	8	2089		10 30 0	40	— 2 28	Definition variable ; hazy.
April	23	2255			45	+ 0 18	Definition good.
	24	2262			45	+ 0 21	Definition fair.
February	8	2090		10 52 30	38	— 1 33	Definition variable ; hazy.
April	23	2256			45	+ 1 33	Definition fine.
	24	2263			45	+ 0 48	Definition fair. ? Haze.
1888 April	14	1264			30	+ 0 26	Definition good.
	20	1270		11 15 0	30	+ 0 46	Definition good ; heavy dew.
June	21	1400			30	+ 3 47	Definition fine ; hazy atmosphere.
May	8	1315			30	+ 0 27	Poor. Definition variable.
June	27	1289		11 37 30	30	+ 0 35	Definition good.
July	19	1475			30	+ 3 54	Definition bad. ? Haze.
June	19	1379			30	+ 0 49	Hazy ; definition good.
April	20	1271		12 0 0	30	+ 0 35	Definition good ; heavy dew.
May	8	1316			30	+ 0 25	Definition good.
June	20	1389			30	+ 0 53	Definition fine.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 April	27	1290	— 44°	12 22 30	30	+ 0 31	Definition good.
June	18	1370			30	+ 0 39	Definition poor ; slight haze.
	19	1380			30	+ 0 41	Definition variable.
April	23	1274			30	+ 0 23	Hazy, and guiding clock wrong.
	26	1281			30	+ 0 36	Definition variable.
July	16	1448		12 45 0	30	+ 3 15	Definition very bad.
	18	1466			30	+ 3 17	" "
April	20	1272			30	+ 0 31	Object glass dewed.
	26	1282		13 7 30	30	+ 0 32	Definition good.
July	19	1476			30	+ 2 56	" "
August	3	1519			30	+ 3 34	Definition fair.
April	26	1267		13 30 0	30	+ 0 35	Definition good.
July	19	1408			30	+ 2 59	" "
August	3	1419			30	+ 2 58	Definition fair.
April	26	1283		13 52 30	30	+ 0 31	Definition good.
May	8	1319			30	+ 0 33	Definition variable.
June	18	1372			30	+ 0 28	Definition fair.
April	27	1292		14 15 0	30	+ 0 50	Definition good ; heavy dew.
	28	1298			30	+ 0 35	Definition good.
June	7	1353			30	+ 0 29	Definition fair.
May	8	1320		14 37 30	30	+ 0 27	Definition variable.
July	11	1420			30	+ 2 18	Definition fair.
June	30	1410		15 0 0	30	+ 2 53	Definition good.
July	7	1456			30	+ 3 4	Definition fair.
June	6	1344		15 22 30	30	+ 0 42	Definition good.
	7	1355			30	+ 0 43	Definition fair.
July	18	1468			30	+ 2 26	Definition very bad.
	23	1493		15 45 0	30	+ 1 48	Definition fair.
September	1	1616			30	+ 3 43	Definition poor.
	28	1671			30	+ 3 45	Definition variable.
July	30	1483			30	+ 2 57	Definition good.
	20	1484		16 7 30	30	+ 3 20	" "
	23	1494			40	+ 2 10	Hazy.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1888	September	15	1644	− 44°	16 7 30	40	+ 4 25	Hazy.
	July	23	1495		16 30 0	30	+ 2 31	Bad and hazy.
		28	1510			30	+ 0 13	Definition fair.
	October	3	1698			60	+ 4 15	Hazy; difficult to follow.
	July	20	1485		16 52 30	30	+ 3 19	Definition good.
	October	9	1717			50	+ 3 51	Hazy.
		12	1719			45	+ 4 5	Cloud.
	July	25	1502		17 15 0	30	+ 3 34	Definition good.
	August	22	1591			30	+ 3 18	" "
		24	1603			30	+ 4 24	Definition fair.
	July	20	1486			30	+ 3 38	Definition good.
	October	9	1718		17 37 30	50	+ 3 51	Hazy.
		23	1738			37	+ 4 12	Definition fair.
		25	1747			35	+ 4 31	" "
	July	25	1503		18 0 0	30	+ 3 20	Definition good.
	October	3	1699			30	+ 3 36	Definition very bad.
		29	1756			40	+ 5 1	Definition fair.
		23	1739		18 22 30	30	+ 4 9	Hazy.
	November	5	1792			44	+ 5 6	Definition fair.
		7	1801			40	+ 5 8	" "
	November	24	1850		18 45 0	30	+ 5 37	Definition very bad.
		25	1855			37	+ 5 51	Definition bad.
		7	1802			40	+ 5 31	Wrong star.
	October	29	1757		19 7 30	40	+ 4 43	Definition fair.
	November	5	1793			42	+ 5 15	" "
	October	31	1774		19 30 0	35	+ 4 31	? Haze.
	November	7	1803			40	+ 5 36	Definition fair.
	September	14	1638		19 52 30	30	+ 2 26	Definition bad.
	October	3	1700			30	+ 2 29	Definition very bad.
	November	5	1794		20 15 0	52	+ 5 8	Definition fair.
		7	1804			40	+ 5 36	" "
	October	29	1758		20 37 30	40	+ 4 1	Definition fair; hazy.
		31	1775			40	+ 4 12	Hazy.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.	Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
			h m s	m	h m	
1888 November 5	1795	— 44°	21 0 0	45	+ 5 16	Definition fair.
7	1805			40	+ 5 40	" "
October 31	1766		21 22 30	40	+ 4 15	Haze.
November 24	1851			38	+ 4 3	Definition very bad.
25	1856			40	+ 4 5	Definition bad.
7	1806		21 45 0	40	+ 5 41	Definition fair.
25	1857			38	+ 4 30	Definition bad.
1887 October 28	850		22 7 30	30	+ 0 11	Definition good.
1888 October 31	1777			40	+ 4 20	? Haze.
November 1	1786			28	+ 3 17	Hazy.
1887 October 28	851		22 30 0	30	+ 0 28	Definition good.
1888 November 24	1852			40	+ 3 40	Definition very bad.
24	1853		22 52 30	39	+ 4 5	" "
25	1858			40	+ 4 45	Bad plate.
December 31	1946			44	+ 5 32	Definition fair.
1887 November 15	919		23 15 0	30	+ 0 28	Definition bad.
1888 November 24	1854			40	+ 4 28	Definition fair.
December 31	1947			45	+ 6 0	" "
1887 November 14	910		23 37 30	30	+ 1 4	" "
22	1844			35	+ 4 15	Definition poor.
1888 December 29	1937	— 40°	0 0 0	42	+ 5 53	Definition fair.
1889 January 7	1966			35	+ 3 35	Definition very bad.
10	1986			50	+ 4 8	Definition good; hazy.
1888 December 23	1930		0 20 0	40	+ 5 11	Definition fair.
1889 January 7	1967			38	+ 4 2	Definition very bad.
9	1983			40	+ 4 30	Definition good.
1888 December 29	1938		0 40 0	37	+ 4 12	Definition fair.
1889 January 7	1968			35	+ 4 25	Definition very bad; interrupted.
9	1984			42	+ 4 59	Definition good.
1887 November 29	975		1 0 0	30	+ 0 27	Definition fair.
December 5	984			30	+ 0 41	Definition good.
November 29	976		1 20 0	30	+ 0 41	Definition variable.
December 5	985			30	+ 0 58	Definition good.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Numbers.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 December	12	1015	− 40°	1 40 0	30	+ 0 47	Definition variable.
1889 January	9	1985			42	+ 4 47	Definition good.
1887 December	8	1002		2 0 0	30	+ 0 12	Definition very good.
	9	1006			30	+ 0 13	Definition fair.
	8	1003		2 20 0	30	+ 0 29	Definition very good.
	9	1007			30	+ 0 31	? Haze.
	13	1024		2 40 0	30	+ 0 35	Definition good.
	21	1048			30	+ 0 21	Definition very bad.
	8	1004		3 0 0	33	+ 0 36	Interrupted { $0^h\ 10^m–23^m$; $0^h\ 43^m–1^h\ 3^m$ }
	9	1008			30	+ 0 29	Definition fair.
	9	1009		3 20 0	30	+ 0 46	Definition fair. ? Haze.
	12	1016			30	+ 0 12	Definition poor.
	7	1000			30	+ 0 14	Definition very good.
	12	1017		3 40 0	30	+ 0 26	Definition bad.
	13	1025			30	+ 0 15	Definition good.
1889 January	8	1978			35	+ 2 6	Definition fair.
1887 December	8	1005		4 0 0	30	+ 0 29	Two interruptions { $0^h\ 0^m–10^m$; $0^h\ 15^m–27^m$; $0^h\ 45^m–53^m$ }
	14	1032			30	+ 0 20	Definition poor.
1889 January	14	2005			34	+ 1 41	Definition fair.
1887 December	12	1018		4 20 0	30	+ 0 21	Definition very bad.
	13	1026			30	+ 0 12	9^m definition good ; poorly followed.
	13	1027		4 40 0	30	+ 0 29	Definition good.
	14	1033			30	+ 0 17	Definition poor.
	12	1019		5 0 0	30	+ 0 17	Definition bad.
	17	1043			30	+ 0 23	Definition good.
	21	1052		5 20 0	30	+ 0 16	Definition bad.
1888 January	12	1093			30	+ 0 34	Definition very good.
	4	1065		5 40 0	30	+ 0 23	Definition good ; interrupted.
	17	1115			60	+ 0 34	Definition fair.
	5	1074			30	+ 0 24	Very hazy.
1887 December	13	1028		6 0 0	30	+ 0 28	Definition fair.
1888 January	12	1094			30	+ 0 24	Definition very good.
1887 December	11	1012		6 20 0	30	+ 0 19	Definition fair.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1887 December	12	1020	— 40°	6 20 0	30	+ 0 27	Definition bad.
1889 January	18	2014			30	+ 0 37	Definition fair.
1887 December	13	1029		6 40 0	30	+ 0 31	Poor following.
1888 January	6	1084			30	+ 0 15	Definition good.
1887		1021					Double images ; definition very bad.
		1044					Wrong place.
December	21	1054		7 0 0	30	+ 0 43	Definition bad.
1888 January	9	1119			60	+ 0 29	Definition very bad.
	20	1123			60	+ 0 34	Definition poor to good.
		1137			60	+ 0 60	Followed badly ; lamp blown out.
		1116					Definition fair.
1887 December	12	1022		7 20 0	30	+ 0 51	Definition very bad.
	17	1045			30	+ 0 42	Definition good.
	17	1046		7 40 0	30	+ 1 0	" "
	21	1055			30	+ 0 43	Definition variable.
1888 March	12	1206		8 0 0	30	+ 0 20	Definition fair.
	18	1191			30	+ 0 34	Definition bad.
1889 January	23	2034			39	— 2 51	Definition very bad.
1888 March	3	1173		8 20 0	30	+ 0 35	" "
	12	1207			30	+ 0 38	Definition good.
February	29	1169		8 40 0	30	+ 0 22	Definition fair.
March	15	1222			30	+ 0 33	Definition good.
	12	1208		9 0 0	30	+ 0 34	" "
	17	1231			30	+ 0 19	" "
1889 January	23	2035			38	— 3 4	Definition very bad.
February	12	2099			40	— 2 35	Definition poor.
April	8	2230			28	+ 0 39	Lens wet at end.
1888 March	15	1223		9 20 0	30	+ 0 31	Definition good.
	17	1232			30	+ 0 42	" "
February	29	1170			30	+ 0 22	Definition fair ; interrupted.
March	8	1193			30	+ 0 29	Definition bad ; haze.
	27	1239		9 40 0	30	+ 0 30	Definition fair.
	29	1243			30	+ 0 18	Definition good.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1889	April	20	2236	— 40°	9 40 0	46	+ 1 39	{ 0h 53m–56m. 1h 14m–29m. 1h 44m–47m. 1h 50m–55m. 2h 5m–25m.
1888		7	1251			30	+ 0 36	Wrong star.
		10	1258		10 0 0	30	+ 0 13	Definition good.
1889	February	12	2100			40	— 2 45	Definition poor.
	April	21	2238			47	+ 0 53	Hazy ; mid-exposure.
	February	12	2101		10 20 0	40	— 2 18	Definition poor.
	April	23	2257			45	+ 2 57	Definition good to poor.
		27	2273		10 40 0	45	+ 0 25	Definition fair.
	May	9	2291			45	+ 0 45	" "
	February	12	2102			35	+ 1 50	Definition poor.
	April	27	2274		11 0 0	30	+ 0 49	Hazy ; clouded up.
	May	8	2283			45	+ 1 47	Definition fair.
		9	2293			45	+ 2 2	Definition good to poor.
	February	12	2103			32	— 1 28	Definition poor.
		9	2091		11 20 0	45	+ 0 42	Hazy ; definition variable.
	May	8	2284			45	+ 2 20	Definition fair.
1888		30	1332		11 40 0	30	+ 0 17	Definition good.
		31	1340			30	+ 0 30	" "
		9	2292			45	+ 0 32	Definition fair.
	July	12	1429		12 0 0	30	+ 3 15	Definition variable
	August	6	1527			30	+ 3 58	Definition good.
	May	30	1333		12 20 0	30	+ 0 41	" "
		31	1341			30	+ 0 42	Definition fair.
	July	12	1430		12 40 0	30	+ 3 10	Definition variable.
	August	21	1584			30	+ 4 19	
	May	30	1334		13 0 0	30	+ 0 38	Definition good.
	August	18	1572			30	+ 4 23	Definition fair.
	May	31	1342		13 20 0	30	+ 0 45	Definition poor.
	July	12	1431			30	+ 2 57	Definition variable.
		23	1492			30	+ 3 34	Definition bad.
		4	1412		13 40 0	30	+ 2 53	Definition very bad.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 July	13	1438	— 40°	13 40 0	30	+ 2 46	Definition good.
	16	1449			30	+ 3 1	Definition very bad.
May	30	1335		14 0 0	30	+ 0 27	Definition good.
June	20	1391			30	+ 0 46	Lens wet after 5^m.
July	18	1467			30	+ 2 43	Definition very bad.
June	30	1409		14 20 0	30	+ 2 49	Definition good.
July	12	1432			30	+ 2 53	Definition variable.
	13	1439			30	+ 2 48	Definition good.
	13	1440		14 40 0	30	+ 3 7	„ „
	16	1450			30	+ 2 35	Definition very bad.
	6	1343			30	+ 0 37	Double images ; definition fair.
	19	1477		15 0 0	30	+ 1 56	Definition good.
	28	1509			30	+ 4 4	Definition fair.
August	21	1585			30	+ 2 37	Hazy.
	24	1600		15 20 0	30	+ 2 33	Definition poor.
September	15	1642			36	+ 3 39	Hazy.
	15	1643		15 40 0	38	+ 4 5	„
	18	1651			37	+ 3 32	„
October	2	1690			30	+ 4 30	Definition very good ; clear.
September	25	1664			60	+ 4 42	Very hazy.
August	24	1601		16 0 0	30	+ 2 34	Definition variable.
September	14	1635			30	+ 3 50	Definition very bad.
August	22	1592			30	+ 2 25	Definition good.
October	1	1681		16 20 0	40	+ 3 55	Definition variable to bad.
	2	1691			30	+ 4 32	Definition very good.
	4	1706			30	+ 3 50	Definition fair.
	1	1682		16 40 0	37	+ 4 19	Definition unsteady.
	4	1707			30	+ 4 10	Definition fair.
August	22	1593		17 0 0	30	+ 2 37	Definition good.
	28	1609			30	+ 2 13	Definition fair.
	28	1610		17 20 0	30	+ 2 35	„ „
September	14	1636			30	+ 3 8	Definition bad.
August	18	1573		17 40 0	30	+ 0 28	Definition fair.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 August	22	1594	− 40°	17 40 0	30	+ 2 35	Definition good.
	28	1611		18 0 0	30	+ 2 36	Definition fair.
September	14	1637			30	+ 3 8	Definition bad.
August	24	1602		18 20 0	30	+ 2 41	Definition variable.
	28	1612			30	+ 2 53	Definition fair.
November	19	1817		18 40 0	40	+ 5 36	" "
	14	1811			15	+ 5 7	Definition very bad.
	20	1827			40	+ 5 40	Definition fair.
	22	1841		19 0 0	38	+ 5 51	Interrupted.
	28	1874			40	+ 5 58	Definition good.
	19	1818		19 20 0	40	+ 5 42	Definition fair.
	20	1828			40	+ 5 49	" "
	28	1875		19 40 0	45	+ 6 19	Definition good.
1889 May	10	2307			45	− 3 55	Definition fair.
	11	2318		20 0 0	50	− 3 55	Hazy.
	19	2324			45	− 3 57	Definition fine.
	11	2319		20 20 0	45	− 3 25	Definition poor.
	19	2325			45	− 3 22	Definition fine.
	11	2320		20 40 0	45	− 2 50	Definition fair.
	23	2339			40	+ 0 17	" "
	8	2289			33	+ 1 13	Obstructed by dome.
	11	2321		21 0 0	45	+ 2 7	Definition fair.
	19	2328			45	+ 0 27	Definition fine.
1888 November	19	1819		21 20 0	38	+ 4 26	Definition fair.
December	23	1927			42	+ 5 44	" "
	29	1936			42	+ 5 53	Definition variable.
November	19	1820		21 40 0	41	+ 5 0	Definition fair.
December	30	1939			45	+ 5 35	" "
November	28	1876		22 0 0	40	+ 4 53	Definition good.
December	7	1898			37	+ 4 25	Definition fair.
November	11	1809		22 20 0	30	+ 2 44	" "
December	23	1928			40	+ 5 30	" "
	23	1926			10	+ 5 15	Definition fair; hazed up.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 November	19	1821	— 40°	22 40 0	40	+ 4 53	Definition fair.
	22	1842			36½	+ 3 33	
	28	1877			40	+ 5 9	Definition good.
	20	1829		23 0 0	30	+ 2 55	Definition fair.
December	7	1899			37	+ 4 9	" "
November	20	1830		23 20 0	33	+ 3 13	" "
	22	1843			37	+ 3 41	
December	7	1900		23 40 0	37	+ 4 17	Definition fair.
	23	1929			40	+ 4 59	" "
	13	1915	— 36	0 0 0	38	+ 4 27	" "
1889 January	2	1949			35	+ 3 46	" "
	5	1955			35	+ 3 31	Definition good.
	5	1956		0 20 0	35	+ 3 51	" "
	6	1960			35	+ 3 46	" "
	6	1961		0 40 0	37	+ 4 8	" "
	8	1974			35	+ 3 9	Definition fair.
	5	1957		1 0 0	35	+ 3 52	Definition good.
	11	1992			34	+ 2 58	" "
	18	2011			41	+ 3 29	Definition fair.
	8	1975		1 20 0	35	+ 3 12	" "
	11	1993			35	+ 3 19	Definition good.
	5	1958		1 40 0	35	+ 3 52	" "
	8	1976			37	+ 3 34	Definition fair.
	14	2003		2 0 0	33½	+ 2 12	" "
	18	2012			37	+ 3 13	" "
	19	2017			43	+ 2 47	Hazy.
1887 December	7	1039		2 20 0	30	+ 0 22	Definition fair.
1889 January	5	1959			35	+ 3 52	Definition good.
	8	1977			37	+ 3 38	Definition fair.
1887 December	22	1057		2 40 0	30	+ 0 44	" "
1889 January	6	1962			33	+ 3 1	Definition good.
1887 December	17	1040		3 0 0	30	+ 0 19	" "
	22	1058			30	+ 1 7	" "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 December	17	1041	—36°	3 20 0	30	+ 0 36	Definition good ; lens hazy.
	21	1049			30	+ 0 21	Definition very bad.
	28	1061			30	+ 0 11	Slight haze.
1888 Jannary	5	1071		3 40 0	30	+ 0 25	Definition poor.
	6	1080			30	+ 0 30	Definition good.
1887 December	21	1050		4 0 0	30	+ 0 20	Definition very bad.
1888 January	17	1114			60	+ 1 9	Definition bad.
1889 January	18	2013			37½	+ 2 1	Definition fair.
1888 January	16	1109			60	+ 0 45	Definition bad ; slight haze.
1889 January	19	2018		4 0 0	36½	+ 1 39	
1887 December	22	1059		4 20 0	30	+ 0 26	Definition good.
1888 January	5	1072		4 20 0	30	+ 0 25	Definition poor.
	12	1091			40	+ 0 14	Definition very good.
1887 December	28	1063			30	+ 0 27	Very hazy.
	21	1051		4 40 0	30	+ 0 19	Definition very bad.
1888 January	6	1081			30	+ 0 11	Definition good to poor.
	21	1126			60	+ 0 40	Definition very fair.
1887 December	22	1060		5 0 0	30	+ 0 26	Definition good ; occasional cloud.
1888 January	12	1092			30	+ 0 11	Definition very good.
	13	1101			30	+ 0 20	Definition poor.
	23	1132		5 20 0	30	+ 0 20	" "
	26	1135			60	+ 0 26	Definition fair.
1889 January	11	1996			34	+ 2 13	Definition good.
1888 January	14	1102		5 40 0	30	+ 0 26	Definition fair.
February	3	1146			60	+ 0 43	
January	31	1139			60	+ 1 33	
February	2	1144			14	+ 0 10	
	3	1146			60	+ 0 43	
1887 December	14	1035		6 0 0	30	+ 0 26	Definition bad ; hazy.
1888 January	23	1133			60	+ 0 45	Definition poor.
	16	1111			60	+ 0 57	Clock stopped during exposure.
	5	1075			30	+ 0 45	Very hazy.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 January	21	1127	— 36°	6 0 0	60	+ 0 26	Definition very fair.
	26	1136			60	+ 0 55	Definition fair.
February	1	1142			60	+ 0 48	Definition bad.
1887 December	21	1053		6 20 0	30	+ 0 35	„ „
1888 January	14	1103			30	+ 0 14	Definition good to bad.
	4	1066			30	+ 0 21	Cloud and wrong place.
	14	1036		6 40 0	30	+ 0 31	Definition bad.
	12	1095			30	+ 0 28	Definition very good.
	14	1104		7 0 0	30	+ 0 22	Definition very bad ; haze
February	3	1147			60	+ 0 26	
	1	1143		7 20 0	60	+ 0 38	
March	7	1181			30	+ 0 25	Definition fair.
January	5	1076			30	+ 0 30	Very hazy.
February	2	1145			60	+ 0 30	
January	6	1085		7 40 0	30	+ 0 32	Definition good.
1889 January	22	2033			33	— 1 50	Definition fair.
	21	2024			44	+ 0 4	Definition very bad.
1888 January	13	1097		8 0 0	30	+ 0 27	Definition fair.
March	7	1182			30	+ 0 20	Definition variable.
	15	1221			30	+ 0 37	Definition good.
January	14	1105			30	+ 0 28	Definition fair ; slight haze.
March	17	1230		8 20 0	30	+ 0 21	Definition fair.
	27	1237			30	+ 0 35	„ „
	29	1241		8 40 0	30	+ 0 12	Definition good.
April	7	1249			30	+ 0 14	Star doubtful ; hazed up.
March	27	1238		9 0 0	30	+ 0 32	Definition fair.
	29	1242			30	+ 0 25	Definition good.
April	7	1250		9 20 0	30	+ 0 13	
	10	1257			30	+ 0 13	Definition good.
1889 April	24	2261		9 40 0	45	+ 0 20	Definition fair.
	25	2267			45	+ 0 22	Definition good.
	23	2254		10 0 0	45	+ 0 27	Definition fair.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1888	April	27	2272	− 36°	10 0 0	45	+ 0 18	
		25	2268		10 20 0	45	+ 0 31	Definition good.
	May	7	2280			45	+ 0 28	Definition good; hazy at end.
	April	25	2269		10 40 0	45	+ 1 0	Definition poor.
	May	8	2281			45	+ 0 32	
	February	18	2124			45	− 1 41	Definition good.
	April	23	2258		11 0 0	45	+ 3 0	Definition fair.
	May	8	2282			45	+ 1 0	" "
	January	18	2125			33	+ 1 34	Definition good.
	May	8	2285		11 20 0	45	+ 3 9	Definition fair.
		9	2294			45	+ 2 32	Definition good.
	January	18	2126			30	+ 1 12	" "
	February	12	2104		11 40 0	42	+ 2 7	Definition poor.
	April	23	2259			45	+ 3 20	" "
	August	9	1534		12 0 0	30	+ 4 22	Definition fair.
		10	1544			30	+ 4 11	" "
		16	1553		12 20 0	30	+ 4 40	Hazy.
		10	1545			30	+ 4 30	Hazy; fair.
		18	1571			30	+ 4 19	" "
		3	1518		12 40 0	30	+ 3 9	" "
		9	1535			30	+ 4 20	" "
		20	1579			35	+ 4 22	Hazy.
		17	1564		13 0 0	30	+ 4 23	Definition fair.
		20	1580			30	+ 4 45	Hazy.
		9	1536		13 20 0	30	+ 4 21	Definition fair.
		10	1546			30	+ 4 10	" "
		4	1524		13 40 0	30	+ 3 5	" "
		16	1554			30	+ 3 50	" "
		3	1520		14 0 0	30	+ 3 23	" "
		4	1525			30	+ 3 25	" "
		9	1537		14 20 0	30	+ 4 1	" "
		10	1547			30	+ 3 38	" "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.			Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
					h m s	m	h m	
1888	August	3	1521	— 36°	14 40 0	30	+ 3 25	Definition fair.
		16	1555			30	+ 3 31	" "
		16	1556		15 0 0	30	+ 3 54	" "
		17	1565			30	+ 3 10	" "
		20	1581		15 20 0	30	+ 3 6	" "
	September	4	1622			30	+ 3 1	Definition very bad.
		28	1670			30	+ 3 32	Definition variable.
	August	20	1582		16 0 0	30	+ 3 21	Definition fair.
	September	18	1652			37	+ 4 8	Hazy.
		4	1624		16 20 0	30	+ 3 25	Definition very bad.
		29	1674			60	+ 4 7	Hazy ; definition variable.
	October	5	1713		16 40 0	45	+ 3 50	Hazy.
		21	1721			30	+ 3 50	Definition fair.
	September	4	1625		17 0 0	30	+ 3 25	Definition very bad.
		12	1629			30	+ 3 36	" "
		29	1675			35	+ 4 23	Definition variable ; haze.
	October	5	1714		17 20 0	30	+ 4 2	Definition fine.
		21	1722			30	+ 3 50	Definition fair.
		4	1708		17 40 0	34	+ 4 8	" "
		5	1715			45	+ 4 25	Hazy.
		12	1720			40	+ 3 51	
	September	18	1653		18 0 0	30	+ 2 53	Hazy.
	October	30	1765			40	+ 4 56	Definition bad.
	September	18	1654		18 20 0	30	+ 3 13	Hazy.
	October	4	1709			34	+ 4 10	Definition fair.
		21	1723			30	+ 3 50	" "
	November	21	1835		18 40 0	40	+ 5 47	" "
		27	1864			42	+ 6 6	Definition very bad.
	December	3	1887		19 0 0	40	+ 6 20	Definition poor.
1889	May	8	2286			45	— 3 9	Definition fair.
		9	2295			45	— 4 8	" "
1888	November	29	1878			60	+ 6 17	Definition bad ; hazy.

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 October	21	1724	− 36°	19 20 0	30	+ 3 58	Definition fair.
	30	1767			38	+ 5 6	Definition bad ; hazy.
November	27	1865			42	+ 6 10	Definition very bad.
	21	1836			20	+ 5 44	Definition fair.
1889 May	9	2296		19 40 0	50	− 3 50	" "
	19	2323			50	− 5 5	Occasional cirrus cloud.
1888 December	3	1888			40	+ 6 22	Definition poor.
	7	1897		20 0 0	40	+ 5 27	Definition fair.
1889 May	8	2287			45	− 2 7	" "
	9	2297			45	− 3 15	" "
	9	2298		20 20 0	45	− 2 47	" "
	19	2327			45	+ 0 18	Definition fine.
	8	2288			45	− 1 17	" "
	19	2326			45	− 2 29	Mostly cloudy.
1888 November	29	1879		20 40 0	40	+ 5 29	Hazy.
December	10	1904			40	+ 5 20	Definition fair ; haze.
1889 May	23	2340			35	+ 1 1	Definition fair.
1888 December	3	1889		21 0 0	40	+ 5 50	Definition poor.
	13	1912			40	+ 5 3	Definition fair.
	10	1905		21 20 0	40	+ 5 30	" "
	19	1920			40	+ 5 6	" "
October	29	1759		21 40 0	35	+ 3 46	Hazy.
December	21	1922			45	+ 6 10	"
	23	1924			42	+ 5 24	Definition fair ; haze.
	13	1913		22 0 0	40	+ 4 59	Definition fair.
	19	1921			40	+ 5 13	" "
October	30	1768		22 20 0	30	+ 2 49	Definition bad.
November	27	1866			36	+ 4 11	Definition very bad.
	29	1880			40	+ 4 34	Definition bad ; haze.
December	10	1906		22 40 0	35	+ 5 0	Definition fair ; haze.
	21	1923			35	+ 5 32	" " "
	23	1925			42	+ 5 19	" " "

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REJECTED DURCHMUSTERUNG PLATES—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
				h m s	m	h m	
1888 November	27	1867	− 36°	23 0 0	35	+ 4 13	Definition very bad.
December	13	1914			38	+ 4 43	Definition fair.
October	13	1769		23 20 0	30	+ 2 32	Definition bad.
November	20	1831			39	+ 4 17	Definition fair.
	27	1868		23 40 0	38	+ 4 17	Definition very bad.
	29	1881			40	+ 3 59	Definition bad ; haze.
December	3	1891			40	+ 4 57	Definition poor.
February	4	1151	− 32°	6 0 0	60	+ 2 3	
	4	1152		6 54 0	60	+ 2 13	
April	16	1268		8 24 0	30	+ 3 36	Definition good.
	16	1269		8 48 0	23	+ 3 57	Clock going badly.
	26	1279		8 0 0	30	+ 3 55	,, ,,
	27	1284		6 0 0	30	+ 3 20	Definition bad to good.

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PLATES TAKEN WITH THE 69-INCH "DALLMEYER" AND "NASMYTH" LENSES TO SELECT COMPARISON STARS FOR PARALLAX.

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
			° ′	h m	m	h m	
1886 November	26	515	− 8 46	1 18	60	+ 0 25	θ Ceti; also Nasmyth.
	26	516	− 57 49	1 33½	60	+ 1 19	α Eridani; also Nasmyth.
	26	517	− 74 35	3 49	60	+ 0 29	γ Hydri; also Nasmyth.
	29	518	− 9 27	0 14	60	+ 2 10	ι Ceti; also Nasmyth.
	30	520	− 8 20	5 9	60	− 2 34	β Orionis; also Nasmyth.
	30	521	− 1 17	5 23	60	− 1 43	ε Orionis; also Nasmyth.
	30	522	− 17 54	5 28	60	− 0 44	α Leporis; also Nasmyth.
December	1	523	− 9 43	5 42	60	− 3 7	κ Orionis; also Nasmyth.
	1	524	− 16 34	6 40	60	− 2 58	Sirius; also Nasmyth.
	2	525	− 13 50	3 53	60	− 1 13	γ Eridani; also Nasmyth.
	2	526	− 52 38	6 21½	60	− 2 30	Canopus.
	2	527	+ 7 23	5 49	60	− 2 12	α Orionis; also Nasmyth.
	6	528	− 34 8	5 36	60	+ 0 50	α Columbæ; also Nasmyth.
	8	529	− 47 23	1 0½	60	+ 2 5	β Phœnicia; also Nasmyth.
	8	530			60		δ Canis Majoris; also Nasmyth. Lenses wet.
	8	531	− 59 6	8 20	60	+ 3 20	ε Carinæ; also Nasmyth.
	10	532	− 42 59	0 26	60	+ 2 20	α Phœnicis; also Nasmyth.
	10	533	− 40 48	2 54	60	+ 0 50	θ Eridani; also Nasmyth.
	11	534	− 77 57	0 19	60	+ 2 28	β Hydri; also Nasmyth.
	11	535	− 62 11	1 55	60	+ 1 57	α Hydri; also Nasmyth.
	11	536	− 52 14	1 51	60	+ 3 5	χ Eridani; also Nasmyth. Definition poor.
	13	537	− 46 26	0 3	60	+ 2 47	ε Phœnicis; also Nasmyth.
	15	538	− 18 40	0 37	20	+ 1 53	β Ceti; also Nasmyth.
	15	539	18 40	0 37	60	+ 2 38	β Ceti; also Nasmyth. Definition poor.
	15	540	0 13	2 33	60	+ 1 52	δ Ceti; also Nasmyth. Definition poor.
	23	547	− 2 0	5 34	60	− 2 8	ζ Orionis; also Nasmyth.
	23	548	− 20 50	5 23	20	− 1 12	β Leporis; also Nasmyth. Clock stopped.
	23	549	+ 16 16½	4 29	40	+ 0 40	α Tauri; also Nasmyth. Clock stopped.
January	10	554	16 16½	4 29	60	+ 0 30	α Tauri; also Nasmyth. Interrupted.
	11	556	− 21 32	5 0	60	+ 0 30	ε Leporis; also Nasmyth.
	11	557	− 51 7	5 44	60	+ 1 19	β Pictoris; also Nasmyth.

PLATES TAKEN WITH THE 69-INCH "DALLMEYER" AND "NASMYTH" LENSES TO SELECT COMPARISON STARS FOR PARALLAX—*continued.*

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
			° ′	h m	m	h m	
1886 January	13	559	− 10 11	3 37	60	+ 0 51	δ Eridani; also Nasmyth.
	13	560	− 2 30	5 18	60	+ 0 17	η Orionis; also Nasmyth.
	13	561	− 17 54	6 17	60	+ 0 29	β Canis Majoris; also Nasmyth.
	14	562	− 34 6	4 13	55	+ 0 23	X Eridani; also Nasmyth.
	14	563	− 55 18	4 31	60	+ 1 9	δ Doradus; also Nasmyth.
	14	564	− 43 5	6 34	60	+ 1 24	ν Puppis; also Nasmyth.
	15	566	− 62 34	5 33	40		β Doradus; also Nasmyth. Lens wet.
	17	567	− 5 59	5 29	60	+ 0 51	ι Orionis; also Nasmyth. Interrupted.
February	19	577	62 24	12 20	60	− 3 35	α Crucis; also Nasmyth.
1887 March	30	619	− 60 12	9 12	60	+ 0 55	β Carinæ; lens wet at end.
April	4	620					ζ Puppis.
June	17	682	− 60 19	14 31	60	+ 1 12	α Centauri; also Nasmyth.
July	12	697	− 59 46	13 55	60	+ 1 45	β Centauri; also Nasmyth. Lens wet.
	14	698	− 46 51	14 34	60	+ 2 12	α Lupi; also Nasmyth.
	25	712	− 43 29	22 7½	90		$10^h 15^m$ to $11^h 45^m$ C.M.T., search for Eukrate.
August	2	718	− 43 53	21 58	100		$10^h 20^m$ to $12^h 0^m$ C.M.T., search for Eukrate.
	6	723	− 43 58½	21 52½	60		$10^h 50^m$ to $11^h 50^m$ C.M.T., search for Eukrate; also Nasmyth.
September	5	756	− 42 1	21 12½	25	+ 0 47	For Eukrate; also Nasmyth.
	5	759	− 41 52·6	21 11½	120	+ 1 15	For Eukrate; occasional haze.
October	12	815	− 4 0	0 8	20	+ 0 43	Abney plate.
	12	816	− 4 0	0 8	60	+ 1 33	Paget plate.
	12	824	− 4 0	0 8	20	− 0 28	Abney plate.
	12	825	− 4 0	0 8	30	+ 0 1	" "
	12	826	− 4 0	0 8	60	+ 0 56	Paget plate.

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MISCELLANEOUS PLATES.

TAKEN WITH THE FIRST "DALLMEYER" LENS IN ITS ORIGINAL STATE.

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
			°	h m s	m	m	
1885 April	2	4	— 85	10 15 0	60		Experimental plates.
	2	5	— 85	11 30 0	60		Time of experiment not noted.
May	5	29	— 70	13 30 0	60	+ 26	
1886 April	8	390	— 55	11 30 0	60	+ 45	Plate slightly frilled.
	30	403	— 55	11 0 0	60	+ 35	
1885 September	8	146	0	18 20 0	60	+ 32	
	8	147		20 0 0	60	+ 17	
October	3	178		21 0 0	60	+ 10	
	3	179		22 20 0	60	+ 26	
	3	180		23 20 0	60		Wrong setting.
	14	188		21 40 0	60	+ 3	Defective plate.
	14	189		23 0 0	60	+ 4	" "
	14	190		0 20 0	60	+ 3	
December	14	249		2 20 0	60	+ 4	
	14	250		3 40 0	60	+ 0	
	14	251		5 0 0	60	— 5	
	16	255		2 20 0	60	+ 10	
	16	256		4 0 0	60	— 10	
	28	266		3 20 0	60	+ 7	1[m] wrong.
	28	267		4 40 0	60	+ 5	
	28	268		6 0 0	60	— 3	
1886 January	4	270		4 20 0	60	— 1	Defective; very bad definition.
	4	271		5 20 0	60	+ 13	" " "
	4	272		6 40 0	60	+ 12	" " "
	9	279		4 0 0	45	+ 1	
	11	280		4 0 0	60	+ 9	
	12	283		4 20 0			
	12	284		5 40 0	30	— 6	
	13	285		4 40 0	60	— 9	
	13	286		5 40 0	60	+ 7	
	13	287		7 0 0	60	+ 6	

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CAPE

PHOTOGRAPHIC DURCHMUSTERUNG.

AN ACCOUNT OF THE

MEASUREMENT OF THE PLATES

AND THE

METHODS OF REDUCTION,

TOGETHER WITH

A PRELIMINARY DISCUSSION OF THE RESULTS,

BY

J. C. KAPTEYN.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY DARLING & SON, LTD., 1, 2, 3 & 5, GREAT ST. THOMAS APOSTLE. E.C.

1895.

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MISCELLANEOUS PLATES.

TAKEN WITH THE FIRST "DALLMEYER" LENS IN ITS ORIGINAL STATE.

Date.		Rotation Number.	Dec. of Centre of Plate.	R.A. of Centre of Plate.	Duration of Exposure.	Hour Angle.	Remarks.
			°	h m s	m	m	
1885 April	2	4	− 85	10 15 0	60		Experimental plates.
	2	5	− 85	11 30 0	60		Time of experiment not noted.
May	5	29	− 70	13 30 0	60	+ 26	
1886 April	8	390	− 55	11 30 0	60	+ 45	Plate slightly frilled.
	30	403	− 55	11 0 0	60	+ 35	
1885 September	8	146	0	18 20 0	60	+ 32	
	8	147		20 0 0	60	+ 17	
October	3	178		21 0 0	60	+ 10	
	3	179		22 20 0	60	+ 26	
	3	180		23 20 0	60		Wrong setting.
	14	188		21 40 0	60	+ 3	Defective plate.
	14	189		23 0 0	60	+ 4	" "
	14	190		0 20 0	60	+ 3	
December	14	249		2 20 0	60	+ 4	
	14	250		3 40 0	60	+ 0	
	14	251		5 0 0	60	− 5	
	16	255		2 20 0	60	+ 10	
	16	256		4 0 0	60	− 10	
	28	266		3 20 0	60	+ 7	1^m wrong.
	28	267		4 40 0	60	+ 5	
	28	268		6 0 0	60	− 3	
1886 January	4	270		4 20 0	60	− 1	Defective; very bad definition.
	4	271		5 20 0	60	+ 13	" " "
	4	272		6 40 0	60	+ 12	" " "
	9	279		4 0 0	45	+ 1	
	11	280		4 0 0	60	+ 9	
	12	283		4 20 0			
	12	284		5 40 0	30	− 6	
	13	285		4 40 0	60	− 9	
	13	286		5 40 0	60	+ 7	
	13	287		7 0 0	60	+ 6	

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CAPE PHOTOGRAPHIC DURCHMUSTERUNG.

1.—Introductory Remarks.

In considering the best methods for measurement and reduction of the plates obtained at the Cape Observatory and placed in my hands by Dr. Gill, so as to derive from them a complete Durchmusterung of the stars South of the parallel of Declination − 19°, it was necessary in the first place to fix upon the most essential points requisite in the prosecution of such a work. Of these the following seemed to be the most important :—

a. Freedom from mistakes either of observation or of reduction.

b. Precision of the observations as measured by the probable errors of co-ordinates and magnitudes.

c. Quickness in measurement, reduction and final arrangement of the work.

After a series of preliminary trials the method of parallactic measurement was finally adopted, and it seems to leave hardly anything to be desired.

By the use of this method the total corrections to be applied to the positions have been found generally so small that even if they had been wholly neglected the accuracy of the results would not have been inferior to that of most works of its kind. Moreover, the work can be so planned, and was, of course, so planned, as to reduce the labour to be spent on the final arrangement of the catalogue to a minimum. In fact, there would be little exaggeration in saying that the catalogue *in its final form* was read off from the plates by the observers at the instrument.

In regard to the precision of the positions it was found practicable, without loss of time, to get considerably beyond what was attempted at Bonn. There even seems

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little doubt but that, with the necessary instrumental outfit, a precision corresponding to a probable error of ± 1″, or thereabout, in both co-ordinates, would have been obtainable without too excessive an extension of the time to be spent on the measurements and reductions, and a plan of the instrument required was even worked out by Dr. Gill and myself. The prospect of obtaining a catalogue of precision, which was shortly afterwards rendered possible by the resolutions of the International Astrophotographic Congress, the consideration of cost, and the unavoidable delay which the construction of the instrument would necessarily involve, made us give up this plan, and we resolved to rest content with the results that could be obtained with the instrument which I had been devising and constructing in the meanwhile with the help of a local mechanic.

2.—The Instrument.

The principle of the parallactic apparatus, the idea of which occurred to me very soon after the first plates were placed in my hands by Dr. Gill, has been explained elsewhere. (Vide *Bull. du com. perm. de la carte du ciel I.*, pp. 94, 115, 125, 377, 401.)

It will be sufficient in this place to give a short description of the instrument actually used and with which all the measurements for the catalogue have been made.

The possibility of measuring spherical co-ordinates directly on plane plates results from an evident property of these plates, viz., that by placing them at the proper distance (the focal distance of the photographic telescope) with the film farthest from the eye, it is always possible to cover the stars in the sky by their corresponding images. Therefore, if for the eye we substitute an instrument by which spherical co-ordinates are measured in the sky, it must be possible to measure these co-ordinates as well on the plates as in the sky itself.

The one fundamental condition, depending on the *finite* distance of the plates, which the instrument will have to fulfil, in addition to those of an ordinary equatorial, is, that the *three* axes: the polar axis, the declination axis, and the optical axis of the telescope, prolonged, must intersect in one and the same point. Moreover, the distance of the objective from this point must be small. For the rest, it will be advantageous to construct the instrument for the latitude *Zero*. Every plate can then be observed in the horizon and may be even mounted in an absolutely fixed frame if we give the whole instrument a vertical axis about which it can rotate.

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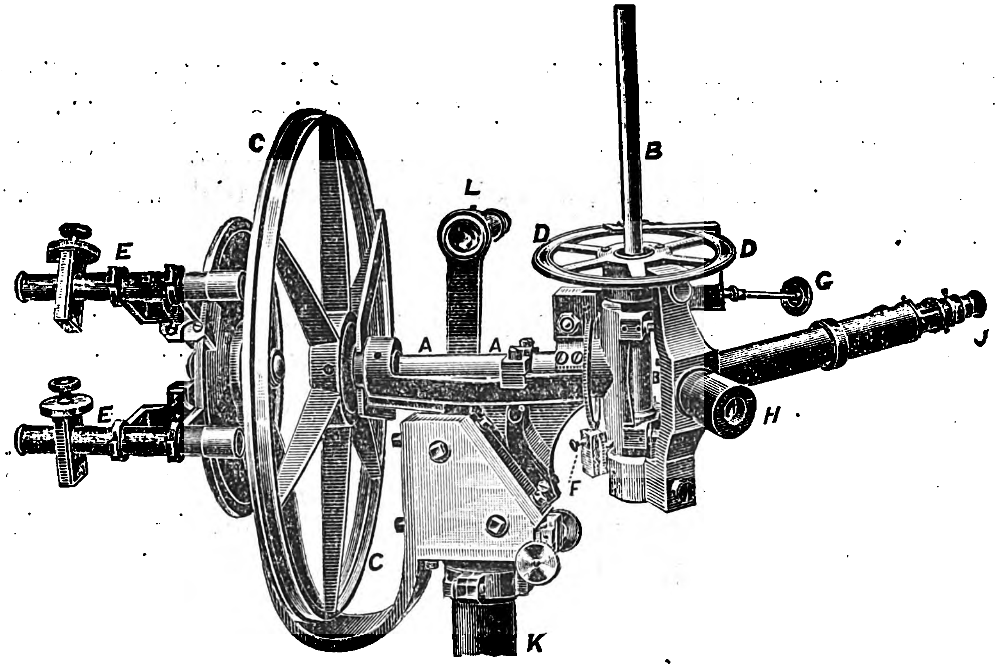
The annexed illustration* is a view of the instrument used. A large screen



attached to the solid brass block which carries the upper part of the instrument and protects the observer at the ocular from the illumination lamp of the right-ascension microscopes, as well as another screen attached to the eye end of the telescope have been removed, in order that the several parts of the instrument may be shown. Thus the apparatus may be described as an equatorial for latitude Zero.

The telescope $H J$ is a *broken* one, that is to say, a prism is fixed behind the objective by which the rays entering at H are reflected at right angles to the axis of the objective.

This constitutes the most essential difference between the instrument in question and an ordinary equatorial, and is clearly necessitated by the above-mentioned condition.

The focal distance, when the telescope is focussed on the plate, is 32^{cm}; the clear aperture of the objective, 27^{mm}, but it was stopped down to 19^{mm} in all the observations. The distance from the centre of the objective to the declination axis is 115^{mm}.

The ocular used throughout the work is a fine achromatic one by Schröder, which, at the actual distance of the plates, gives a magnifying power of 3·3 diameters

* We are indebted to the Editor of *Engineering* for kindly sending an electrotype of this illustration, originally published by that Journal.

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(if we take 20^{cm} as the distance of best vision) equivalent to a power of 23 in ordinary observations in the sky. The diameter of the field is such that 67′ of the plate can be seen at once and sharply defined to the edge of the field.

In the common focus of the objective and eye-piece is inserted an excellent glass scale for measurement of the declinations. This scale is a photographic one; the surface of the film is protected by another glass plate, and covers the whole field. Scales covering only half of the field, with which a number of trials were made, proved unsatisfactory.

A single line, on which the pointings for right ascension are made, and which may be called the *hour line*, stretches along the diameter of the field at right angles to the declination axis. In this line, the 66 division-lines terminate. These lines correspond in number to the number of minutes embraced by the field of view. The scale proper is divided into 60 parts, easily readable by the prolongation of every fifth line and the number attached to every tenth line. Three division lines below Zero and three beyond 60 are employed for observation of the overlapping parts of two contiguous zones.

B B is the declination axis, *D D* the declination circle. This circle, simply used as a setting circle, is read by a vernier to single minutes. The arrangement for slow motion, which is concealed by the parts by which the telescope is attached to the axis, allows a movement of seven or eight degrees, so that during the observations of a plate no unclamping is ever needed.

A A is the hour axis, firmly pressed against its cones at either end, not by springs but by the pressure of the two halves of a very steep hollow cone in brass against a third cone of the axis. The block of brass containing the upper half of this cone, visible in the figure near the right-hand end of the axis, can be moved somewhat up or down by means of two screws. If these screws are tightened, the upper half is brought nearer to the lower half, and the cone of the axis is pressed towards the left, till it rests perfectly against its guiding cones.

This device, resorted to because the mounting (the parallactic mounting of an old comet seeker of our astronomical collection) did not offer sufficient facilities for the application of springs or counterpoises, was found to work perfectly well in practice. Any *play* in the axis could be easily abolished without diminishing in the least the smoothness of the motion.

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On the hour axis is fixed at one end the hour circle $C\ C$, at the other a worm-wheel F, into which gears a worm, movable by the key G, by which, consequently, a slow motion in right ascension may be given.

The circle, which is read off by one of the microscopes $E\ E$, is divided from 10 to 10 seconds of time, every whole minute being numbered, so that there are always three numbers at least visible at the same time in the field of the microscope. The reading is made by using the movable web in a fixed position, merely as an index, the position of which relative to the division lines is estimated to tenths of the interval between two consecutive lines. The right ascension is thus read off to single seconds of time. The accuracy of the pointings would have warranted a somewhat more refined method of reading, but I feared that the gain in accuracy would not be in proportion to the loss of time and the greater danger of mere mistakes.

The arms carrying the microscopes can be easily rotated about the centre of the circle without impairing the focussing; by this motion the microscopes can be roughly brought to give any determined reading, which is then accurately obtained by displacing the movable web, which serves as an index.

To the back of the hour circle is clamped a circle sector, shown in the figure, furnished with a rough division and a movable index, by which the hour circle can be roughly read from the ocular of the telescope. This device was found extremely useful in looking up single stars of which, for some reason or other, a revision was needed.

The whole apparatus rests on the iron stand K. This stand is centrally perforated, and is traversed by a vertical axis on which the whole instrument can be rotated. The heads of the screws, by which the slow motion about this axis is brought about, are shown in the figure somewhat above the top of the pillar K. Any particular position of the whole instrument was defined by the reading of a distant scale by means of the small telescope L.

3.—The Plate-holder.

As the focal distance of the photographic telescope is about $137^{cm.}$, the plates were mounted on the same pier that carried the measuring apparatus, at a distance of $137^{cm.}$ from the point of intersection of the axes, and at $125^{cm.}\cdot5$ from the objective of the telescope.

The plate-holder consists simply of a frame on which two plates, corresponding to the same portion of the sky, are fixed, one in front of the other, at a distance of a

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single millimetre. Small motions are provided by which the relative position of the two plates may be changed at will; by means of these the corresponding star images on the two negatives were brought nearly but not quite to superposition so as to appear in the telescope like double stars, and thus true star-images were at once distinguishable from accidental specks on the plates.

The frame rests on three foot-screws and can be rotated about a vertical and a horizontal axis. The amount of rotation about the latter is read off on a distant scale by means of a small telescope attached to the frame.

In the beginning we worked with a single plate-holder. This, however, caused some serious inconvenience, for, as two measures have been always made, and the first and the second measurement were always made by different observers, this involved a change of observer at the very irregular hours at which the first observation of the plate was finished. Likewise, after the end of the second observation, no new plate could be begun before it had been inserted in the frame and had been carefully oriented.

All this interfered very seriously with a strictly regular and economic arrangement of the work.

A second frame-holder was, therefore, mounted by the side of the first, and a corresponding second microscope was introduced for the reading of the hour circle. Two plates could thus be oriented before the beginning of the day's work, and all that had to be done, in order to pass from the one to the other, was to rotate the whole instrument about its vertical axis till a determined scale-reading, carefully noted in orienting the plates, was obtained in the telescope *L*. At the same time the observer at the hour circle had to change his place from one microscope to the other.

4.—Orientation of the Apparatus and the Plates.

We need not here dwell on the manner in which the exact intersection of the axes at one point and their verticality to each other was originally obtained. It will be sufficient to state that the angle between the hour-axis and declination-axis is sufficiently near to 90°, that provision was made for a correction of the collimation, and finally that the connexion of the telescope with the declination-axis was once and for all fixed after the optical axis had been made to meet the intersection of the two other axes.

The sliding focussing tube of the telescope bears a projecting strip of steel, against which butt the ends of two screws in the fixed tube of the telescope. By loosening one of these screws and tightening the other a small rotation can be given to the

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ocular end. The hour line is thus easily set at right angles to the declination axis. In order to avoid the necessity for any correction of the observed right ascensions depending on the reading of the declination scale, this orientation of the hour line was made with the utmost care and was very often verified in the course of the work. As far as I can remember the orientation was but once found sensibly in error (not in the observations for this volume) in consequence of which a small correction depending on the scale reading had to be applied to the work of a certain number of days.

The measuring apparatus being thus once and for all brought into perfect working order, the plate-holder may be now considered.

The first condition to be realised is that the plates shall be perpendicular to the line joining the centre of the plate with the point of intersection of the axes of the apparatus.

Of course, several methods are available to secure this end, but as the true centre of the plate (viz., the point where, in the photographic telescope the perpendicular from the optical centre on the plate meets this plate) was not very accurately known, I found the following very rapid method quite as good as any other more refined one. A couple of plates being inserted in the frame and having been lighted up from behind by means of the illuminating lamp, a copper wire of exactly the length of half the side of the plate was hung over the middle of it, so that its free end indicated the geometrical centre of the plate, which coincides approximately with the nominal centre. The telescope of the measuring apparatus was then directed to this end; after that the light behind the plates was extinguished and the eye put vertically above the centre of the objective. The plate acting as a mirror, an image of the eye was seen, which, by a rotation of the vertical axis of the plate-holder, was brought centrally on the copper wire. Putting now the eye in a horizontal position relatively to the centre of the objective, the image of the eye, the centre of the image of the objective, and the end of the copper wire were brought on one horizontal line by means of the foot-screws of the frame-holder. This done, the verticality of the plate is evidently obtained.

The second condition to be fulfilled is, that the distance of the plates from the intersection of the axes of the measuring apparatus shall be equal to the focal distance of the photographic telescope. The ocular scale has been so made that one part corresponds very nearly with one minute of arc on the plate when at the correct distance. The correspondence, however, is not absolute, and had it been so when the observations were first begun it would still have been in error after the re-polishing of the objective of the photographic telescope in 1887, which slightly changed the focal distance.

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At all times, however, the difference has been small enough to make it permissible to reduce it to Zero (which, of course, is most essential for the convenience of the reductions) by slightly altering the distance required by strict theory. In fact, therefore, the distance of the plates was so regulated that the difference in declination of two widely separated stars, as measured in minutes of the ocular scale, coincided perfectly with its known value.

As soon as the distance fulfilling this condition had been once thoroughly ascertained, a rod was made of the required length by the aid of which the plates could at any time afterwards be brought back to the required position with the utmost ease.

It is easily demonstrable* that, with the method of orientation presently to be described, if the error in distance be a pth part of the whole, $\Delta\alpha$ and $\Delta\delta$ the co-ordinates of a star relative to the centre of the plate, expressed in degrees, the error introduced into the results, expressed in degrees, will be of the order of the very small quantities—

$$\frac{1}{\rho p}\Delta\alpha\,\Delta\delta \text{ for the right ascensions, and}$$

$$\frac{1}{\rho p}\Delta\alpha^2 \text{ for the declinations,}$$

$$\text{where } \rho = 57^\circ.296.$$

The error in right ascension is too much mixed up with other small errors to become noticeable ; the error in declination proved nearly inappreciable, never exceeding 0′·1. Besides this, the error was all but absolutely eliminated in both co-ordinates by the method of reduction, in which the corrections varied from zone to zone of 1° in breadth, and in every zone, where necessary, slightly with the right ascension.

Both the operations—the regulating of the verticality and of the distance—have only to be made once for every belt of plates of constant declination. From time to time, however, it was ascertained that no displacement had taken place.

Even in passing from one belt of plates to another, no change would have been necessary had the vertical axis K (*see* the figure) prolonged, met the intersection of the other axes. In our instrument this condition has not been fulfilled, because it would have necessitated too great changes in the parallactic stand, which was used as a basis for the apparatus.

In a more powerful instrument belonging to the Paris Observatory, lately constructed, this condition has been realized with the utmost care.

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* By means of the formulæ given *Bull. du com. perm. de la carte du ciel I.*, p. 426.

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The operations, which have to be gone through once, or once for a good many plates, having now been considered, it remains to describe the orientation proper that had to be made for every individual plate.

As I wished the observations to give at once mean right ascensions and mean declinations for the Equinox 1875·0, the point to be kept in view in this orientation is at once evident.

If we imagine for a moment the plate under consideration surrounded by all the other plates, forming together a complete set of photographs of the whole sky, and these put together so as to form a regular polyhedric surface, with the intersection of the axes of the measuring apparatus as a centre, and giving, as seen from this point, an accurate representation of the firmament, then it is evident that,* in order to make the instrument give for any couple of stars the actual differences of mean right ascension and declination for 1875, all we have to do is to make the hour axis pass through the mean position for 1875 of the pole on this polyhedric surface.

The reverse, too, holds, *i.e.*, the apparatus is oriented as soon as it gives the correct result for the difference in right ascension and the difference in declination for a couple of stars, chosen arbitrarily.

This being premised, the way in which the orientation is performed will be readily understood. First, the reading of the declination circle is made to correspond to the declination of the centre of the plate; then the instrument is turned about the vertical axis till the telescope points this centre. As for our plates, the accurate place of this centre is not visible; we thus get only a first approximation for the setting of the instrument. Now, taking two stars nearly on the same parallel, but widely apart in right ascension, the mean positions of which for 1875 are accurately known, the instrumental differences of right ascension and declination are determined. If these prove to be in accordance with the known differences, then the plate and the apparatus are perfectly oriented. If not, then, from the outstanding errors, we may compute at once the amount of rotation to be given to the instrument about the vertical axis (which, with the declination axis in a vertical position, can be read off by means of the ocular scale) and to the photograph about its centre, in order to make the adjustment perfect.† A small table in which, for every degree of declination, the corrections to be

* Discarding all considerations of instrumental errors and of differential refraction and aberration.

† The index error of the declination circle being once ascertained, we may as well make: 1st. Difference of *instrumental* declination of two stars equal to *known* difference. 2nd. Circle reading of one of the stars + index error equal to known declination. This method too was often used, especially in low declinations.

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made for errors of $1^{sec.}$ and $1'$ respectively in the difference of right ascension and declination of two stars $1^{min.}$ apart in right ascension, reduced the work of orientation to a minimum.

The orientation proper being completed, a known star was pointed, and by displacement of the microscope the reading of the hour circle was made to agree exactly with the mean right ascension for 1875 of the star. This being done, the circle readings will evidently give at once the actual mean right ascensions for 1875 for *all* the stars of the plate.

It was found in practice that the identification of the stars, together with the orientations, could be generally made in about ten minutes.

5.—The Observations.

It has been already stated that two plates were used in the observations, one in front of the other. By a preliminary examination all the plates available for the same region of the sky, after having been thoroughly cleaned on the glass side, and the dust having been removed from the film by means of a soft brush, were compared, and the two best chosen for use. Of these two, in case of the slightest difference, the one on which the images were densest was employed to act as *check* plate, to be mounted in the plate-holder *farthest* from the measuring apparatus, the other, to be mounted in front, was employed as the *measuring* plate. The observations were made in a darkened room, and the plates illuminated from behind by a powerful lamp. Care was taken, of course, to protect the plates as much as possible from the heat of the lamp.

The power used on the telescope being, relatively speaking, a low one, the difference in focus of the images on the two plates and of the images on the same plate at different distances from the centre, was hardly perceptible ; those on the check plate being generally the denser ones, but appearing somewhat fainter by being looked at through the measuring plate, the corresponding images of the stars appeared as nearly equal as was possible. This proved to be a great advantage, not only in regard to the number of stars certainly recognisable as such, but especially in regard to the reliability of the estimates of diameter of the fainter stars ; for the estimation of the diameter of these stars proves the more certain the more nearly the two images approach equality.

The plates are square, with a side of about six degrees. As, however, the belts of plates lie generally five degrees apart, only five zones,* each somewhat over a degree in breadth, were measured on every plate, beginning with that nearest to the equator.

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* On the plates having their centre at $\delta = -35\frac{1}{2}$ only *four* degrees were measured, the distance of this belt of plates to that of $\delta = 31\frac{1}{2}$ being only four degrees.

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Thus, for instance, with the first belt of plates of which the centre lies at $\delta = -21° 30'$. On these plates were measured the five zones, $-19°$, $-20°$, $-21°$, $-22°$, $-23°$. For the observation of the first, the zero of the scale was brought to coincide exactly with $-19°. 0'\cdot0$ (mean declination for 1875·0) on the plate, by bringing a star of this zone, of which the declination for 1875·0 is known, exactly on that division of the scale that corresponds to the minutes and tenths of minutes of its declination. This done, the slow motion in declination was not further touched, and a sweep was made within such limits of right ascension that an overlapping of the consecutive plates of from a half to a couple of minutes of time was secured, the overlap being taken the larger, the poorer the plate, in order to be sure that a sufficient number of stars would be common to two successive plates.

In making the sweeps, every star, of which both images could be distinctly seen, was observed between $-3'$ and $63'$ of the scale, in the order in which they presented themselves at the hour line. After the completion of the first zone, the telescope was displaced 60 divisions of the ocular scale, the setting was verified by another known star, the second zone observed, and so on.

Two observers have always worked together, one at the ocular, one at the microscope of the hour-circle. A clerk wrote down all the numbers called out by the two observers in ledgers carefully prepared for the purpose, which will be presently described. The observer at the ocular estimated the diameter, read off the declinations on the scale, and made the pointings for right ascension. These were read off by the observer at the microscope.

The diameters were estimated in tenths of a minute of arc. This unit, however, being found too large in practice, was subdivided into three by the signs $-$ and $+$, so that, for instance, the numbers $-2, 2, +2, -3, 3, +3$ - - - - - indicate diameters of $0'\cdot17$, $0'\cdot20$, $0'\cdot23$, $0'\cdot27$, $0'\cdot30$, $0'\cdot33$ - - - - - - respectively. For diameters below -2, these estimates cannot be considered as actual measurements, for the reason that the fainter stars on the plates differ generally but relatively little in diameter but considerably in density. For these stars the scale was prolonged downward in such a way that -0 represents the faintest stars on the plates, while 0, $+0$, -1, 1, $+1$ represent intermediate shades of density between these and the stars -2, which may be generally considered as the first stage really measured.

In some cases, however, where the images are particularly ill-defined, this estimate by density rather than by diameter had to be extended even higher up in the scale. In such cases the estimates are accordingly more uncertain than usual. In some few of these cases the diameters were observed not on the measuring plate but on the check plate.

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All these cases have been carefully noted and will be found referred to in the remarks given in the last column of List IV. at the end of the introduction.

The declinations were estimated to tenths of the minute.

The pointings for right ascension were made by bringing the hour line on the centre of the star's image on the measuring plate. In doing this the images of the faintest stars disappear entirely. Notwithstanding this the pointings of even these stars were still considerably more accurate than the corresponding readings of the hour circle, which, as already stated, were only made to whole seconds of time. In part, this accuracy was due to the fact that the position of the hidden star could be fairly well estimated by the position of the image on the check plate.

Every plate was observed twice. Only in exceptional cases, which will be referred to farther on, three or more observations were made.

The first observation of every plate (at the ocular) was made, in the beginning of the work, by Mr. Speckman, at a later epoch by Mr. de Vries. Both these gentlemen, in the sequel denoted by the letters S and V, were wholly unfamiliar with any work of the kind before they began to take part in the observations, but they acquired considerable skill in it, in a remarkably short time, the former, however, always finding some difficulty in making wholly consistent estimates of diameter (or rather density) of the fainter stars.

In these first observations the whole breadth of the zone of 1° was observed at once, care being taken to observe the stars as nearly as possible in the order of their right ascension. In the second observations, especially towards the end of the work, and in order still farther to diminish the danger of leaving stars out, the zone was mostly observed in two halves, the one below, the other above 30′.

The second observations were made quite independently from the first. They were written out for every star in a column arranged for the purpose in the ledgers, alongside the first observation of the same object. In order to obviate the danger that the clerk might unwittingly copy numbers of the first observations, as well as to prevent errors by wrong hearing, it has been the invariable custom for him to call out all the numbers which he wrote down. Every number was therefore called out twice, once by the observers and once by the clerk, and it is remarkable how readily any difference between the two is caught by the ear, even at those moments at which the observer is hardly aware of the repetition of his own words. The result has shown that the danger adverted to has been quite overcome by these means, for, in the whole series of observations from − 19° to − 38°, but two cases have been found where

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comparison with other catalogues, and subsequent verification on the plates, has shown the same error to occur in both observations.

Where a star, overlooked in the first observation, was found in the second, it was written down in a third column, the column of "new" stars.

As soon as the second observation of a plate was completed, the two observations were carefully compared; all the differences in diameter, declination or right ascension which seemed to exceed the legitimate limits, and all the stars brighter than − 0 occurring in the first observation but not in the second, were noted. All these, together with the *new* ones, were then re-observed and the errors corrected. The second observations, as well as all the revisions, have been invariably made by myself.

At first the stars − 0 occurring in the first observation and not in the second were re-observed also. This, however, involved a very considerable labour and nearly always resulted only in their rejection. After some time it has become the rule, therefore, simply to strike out these observations. In any case the catalogue cannot be regarded as complete for such objects. Where such stars appear in any of the catalogues of precision compared, they have been ultimately retained in our Durchmusterung.*

It is true that many thousands of objects, by far the greater part of which are certainly true stars, have been thus lost for the catalogue. But this would still have been the case had they been revised. It has been my policy from the beginning, not to introduce any object that is not a true star, and rather to lose ten real stars (of the class — 0) than to incur the danger of introducing a single fictitious one. The following precautions were taken for that purpose:—

(*a*) In the second observation all objects of the faintest class (− 0) looking suspicious were left out or were noted for revision by a third observation

(*b*) Between the first and the second observation the position of the check plate relative to the measuring plate was shifted. Experience has taught me to consider this precaution as one of the most efficacious. For two accidental specks in the same relative position as that of the two images of the same star can easily lead to the observation of such an object. If these specks are *on the same plate*, however, the shifting of the check plate must have led to the elimination of such objects in the

* In the case where these stars were afterwards found in Schönfeld's or Thome's Dm. they have *not* been inserted, the chief reason being that an error of 1′ in declination might pass unnoticed.

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second observation. As star-like specks mostly occur in groups, the chance of two such near each other on one and the same plate is far greater than that of two specks in the same position on the two plates. Besides this, the shifting has the advantage of making visible objects on the check plate which may have been hidden by small bubbles or other blemishes on the measuring plate.

(*c*) Between the second observation and the revision-measurements this position was again shifted ; the images on the measuring plate, which in the two first observations were always (as seen in the telescope) below the images on the check plate, were now made to be the upper ones. Further changes of position were made in these revisions as often as the case seemed to require. As by these changes the position of the plate-holder might, perhaps, be sometimes slightly altered, the revision-measurements were only used as a check, and never without special precautions for the definitive positions.

(*d*) Where a doubtful case could not be decided in this way other expedients were resorted to. The plates were inspected or measured separately, which, for instance, was regularly done in the case of clusters (these have been, therefore, measured generally four times) ; or other plates, where available, were consulted ; or the object, when brighter than – 0, was examined with a magnifying glass or under the microscope, &c.

Doubtful cases not settled in any of these ways, and not in any of the catalogues compared, have been inserted in our Durchmusterung with a ?. It was intended at first to reject these doubtful objects if their diameter was – 0, and only to insert with a ? those stars the diameters of which were larger ; but this rule has not been strictly adhered to, so that many, probably most, of the stars so marked belong in reality to the faintest objects on the plates. Comparisons with the Dm. of Schönfeld and of Thome, as well as with overlapping plates, prove that nearly all, if not all, of these objects will be really found to exist in the sky. For the rest it is perhaps well to state explicitly that the uncertainty is wholly relative to the existence or non-existence of the star, and in no case relative to the correctness of the position.

Finally, the few discordances that were overlooked in the comparison of the two observations, and found when making the reductions, were carefully noted, and have been looked up on the plates before the final catalogue was written out.

Three or four hours in the morning and three hours in the evening were generally devoted to the observations. The number of stars that could be observed without

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fatigue varied considerably according to the richness of the plates. For good and rich plates we generally made 300 to 400, occasionally even as many as 450 observations an hour.

6.—The Reductions.

Every page of the ledgers in which the observations were entered is divided into six columns ; the two first for the two regular observations ; the third for the *new* stars found in the second observation and overlooked in the first ; the fourth for the corresponding magnitudes and positions for 1875, accurate to $0^{s}\cdot1$ and $0'\cdot1$ according to the following catalogues : Cordoba Zone Catalogue, Cordoba General Catologue, Argelander-Weiss, and, somewhat less accurately, Lalande.* In the sixth were entered in red ink the differences between the mean of the two observed right ascensions and of the two observed declinations from those of Gould or (for the zones in which few of Gould's stars occur) those of Argelander. From the whole of these were computed the corrections applicable to our positions to convert them into the final values, which were inserted in the fifth column. The number of standard stars being thus very considerable, every zone of one degree in breadth could usually be treated quite independently from the other zones on the same plate. This rule was departed from only in exceptional cases. The reductions applied are either constant for the whole zone or they change slowly with the right ascension. In no case, except in that of the declinations of the repeated plates, Nos. 28, 35–39, 46, 61, which were all measured between 17 Aug. and 21 Aug. 1892, was a change of the reductions depending on the declination applied, and even in this case the change from 0′ to 60′ did not exceed $0'\cdot3$. This mode of reduction must have caused a slight decrease of accuracy towards the extremes of declination of every zone ; but the extreme care taken in placing the plate-holder at the exact distance and in making the hour line at right angles to the declination axis ; the careful orientation of the plate, and finally, the constant practice of taking the mean of the co-ordinates for those stars which occur in the overlapping strips of two consecutive zones of declination (either on the same plate or on two consecutive plates) have resulted in making this decrease in accuracy absolutely insensible in most cases and quite insignificant in all.

For the reductions of magnitude, comparisons were made of the mean of the observed diameters, for the first zone of plates ($\delta = 21\frac{1}{2}$) with the magnitudes of Schönfeld's Dm., for all the rest with the magnitudes of Gould's Zone Catalogue.

For the brighter stars, which were nearly completely compared, the magnitudes of the Uranometria Argentina were used, as given in the Cordoba General Catalogue.

* The positions from these different catalogues where written out in differently colored inks.

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Means were computed separately for the stars of the diameters 0, 1, 2, 3, 4, 5, 6, 7–15, > 15, and these afterwards condensed into from 3 to 5 normals, from which the two constants in the definitive formula of reduction

$$(1)\ \text{magnitude} = \frac{B}{\text{diameter} + C}$$

were computed.

It need hardly be said that this formula is a purely empirical one. It was chosen from amongst all those proposed, which have come to my knowledge and a great many others, as the one best representing our observations. It is true that the choice was made before the photographic objective was re-polished, and when less sensitive plates by another maker were used; but experience has shown that it applies equally well to the later measurements which form the basis of the present volume. The constants B and C having been obtained independently for every separate plate, two somewhat different sets of tables were constructed from which the values of the magnitude could be taken, without interpolation, for the two independent computations which were made of these quantities. At the end of the introduction will be found a list of the values of B and C for all the plates, together with the number of stars used for their computation.

7.—Systematic Difference in the Colour of the Stars, depending on the Galactic Latitude.

The method of reduction of the preceding paragraph must of necessity and for all parts of the sky bring the mean photographic magnitudes into close agreement with the visual magnitudes on which they were made to depend. This agreement will be further investigated in the following paragraphs.

The reduced magnitudes cannot, therefore, bring to light any systematic differences between the actinic and visual brightness of the stars in different parts of the sky, even if any such differences really exist.* To discover these it is evidently necessary to compare *inter se*, for a large part of the firmament, either the diameters produced on the plates by stars of equal visual brightness, or the visual brightness of stars having equal diameter on the plates, due allowance having been made, of course, for the influence of difference in zenith distance, time of exposure, transparency of the air, sensitiveness of the plates, &c.

An investigation of this kind, which was made a couple of years ago, has been published in the *Bull. du com. perm. de la carte du ciel*, Vol. II., pp. 131–158.

* Such differences will show themselves in the value of the constants B and C.

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As we will probably be able to give a more complete discussion in another volume, it may here suffice to state briefly the results arrived at in this paper.

Three groups of plates, all obtained with the same photographic telescope, containing the belts – 75°, – 70°, – 65°, – 60°; – 50°·5, – 40°·5; – 31°·5, – 26°·5 and – 21°·5, have been discussed. In each of the groups the photographs have been taken on plates of the same manufacture; all those obtained beyond certain pretty narrow limits of altitude and time of exposure, have been excluded. By these means the reduction to the ideal case, that of all the plates having been obtained at one and the same altitude and with one and the same time of exposure, become very small, and no serious errors are to be feared on this account, even if it might be found in future that the formulæ which served for this reduction deviate sensibly from the truth.

In all, 370 negatives were found to be available for the investigation.

Their discussion brought out the following facts :—

1. The variation of the star density in different regions of the sky, as found from the counts on the photographic plates, is quite different from this variation as found by the visual observations of Schönfeld and Gould. In some regions our photographic Dm. contains three times as many stars as are contained in Schönfeld's SD. for the same area, whilst in other regions Schönfeld's catalogue is the richer one, and would have contained here almost double the number of stars in our catalogue, had not the poorest of our plates been repeated with a somewhat longer time of exposure. An analogous result is found by a comparison with Gould's Zone Catalogue.

2. Corresponding with this difference in the number of stars, it is found that equal diameters on the plates have been produced by stars of very unequal brightness in different parts of the sky.

If for a moment we assign equal photographic magnitudes to the stars having equal diameter on the several plates (after reduction for altitude and time of exposure) this comes to the same as saying : The difference : "visual magnitude — photographic magnitude" is strongly dependent on the position in the sky.

3. This difference is very probably due in part to meteorological conditions and differences in sensitiveness of the plates, but is certainly chiefly due to the position of the stars relatively to the Milky Way. It is found that "for all stars, at least "for those between the magnitudes 4 and 10, there exists a difference between the "photographic and visual magnitudes according to the estimates of Messrs. Gould "and Schönfeld; this difference varies pretty regularly with the distance from the

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" Milky Way. For every degree of Galactic latitude the variation amounts to $0^{mag.}01$
" or thereabouts."

4. This variation of the difference " visual magnitude — photographic magnitude" must depend :

a. On the systematic errors of the visual magnitudes according to the estimates of Gould and Schönfeld ;

b. On the systematic differences in the colour of the stars.

It is much to be regretted that there is no satisfactory agreement in the determination of the former of these errors ; the only thing which seems to be fairly well established is that these errors, if so be that they have a sensible amount, will in all probability not exceed 0·2 or 0·3 magnitude. If this be really so, then it seems hardly possible to escape the conclusion that differences of the sort *b* must have a real existence. The phenomenon discovered by Pickering* that the Milky Way is richer than the other regions of the sky in stars whose spectra are of the first type, is shown to explain but a small part of the observed facts. We are thus led to the conclusion that " even considering only stars of one and the same spectral type *the stars of the Milky* " *Way are in general bluer than the stars in other regions of the sky.*"

About the exact amount of the difference in colour no definitive conclusion could be given for want of a reliable determination of the errors *a*. M. Trepied†, in an interesting paper on the photographic magnitudes, using the photometric determination of the visual magnitudes for seven chosen regions of the sky (rather unfavourably situated for the purpose) made by Pritchard, at Oxford, finds, by a preliminary investigation, that the difference between visual and photographic magnitude varies 0·004 magnitudes, or thereabouts, for every degree of Galactic latitude. There is, however, reason to think that M. Pritchard's method of determining visual magnitudes by extinction makes the results found, approach more or less towards the results found by photography,‡ so that the difference must come out too small.

Better results may probably be expected from the method which I proposed in the paper referred to, which is wholly independent of estimation of magnitude made by the eye, and requires only the photographing of regions of widely different Galactic latitudes both with ordinary and with isochromatic plates. A number of such plates has been recently obtained at the Cape Observatory. To prevent delay in the publication of the present volume, however, their discussion must be deferred for the present ; we hope to be able to give it with another volume.

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* Annals of the Obs. of Harv. Coll., Vol. 26., p. 152.

† *Bullet. du com. perm. de la carte du ciel,* Vol. II. p. 383.

‡ This results from considerations like those of Art. 19.

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8.—Systematic Errors of the Magnitudes depending on the Position of the Stars on the Plate.

One may reasonably suspect, notwithstanding that the images of the stars were generally perfectly round in all parts of the plates, that the total number of stars at greater distance from the centre may fall short of those nearer the middle of the plate, and that images of equal diameter in different positions on the plate may correspond to stars of different photographic brightness.

I have been led to the conclusion that an error of this kind does not exist to any appreciable amount for the plates discussed in the present volume. The evidence on which this conclusion rests may be summed up as follows :—

1. The marginal zones of the plates, that is, the zones of one degree in breadth farthest from the centre, contain as many stars as the more central ones. This can be at once verified by consulting the catalogue for the total number of stars contained in the several zones. The following numbers will be found :—

TABLE 1.—NUMBER OF STARS.

Declination of Centre.	Central Zones.	Zones 1° from Centre.	Zones 2° from Centre.
21°·5	8323	8559	8448
		8432	8376
26·5	7545	7616	7513
		7607	7750
31·5	6897	6857	6927
		6721	6441
35·5	9481	9339	...
		9838	9437 (2)
Mean	8062	8121	8041

2. Even the number of stars in the extreme corners of the plates does not materially differ from the number on an equal area near the centre of the plate.

This conclusion was arrived at by counts made on the 17 plates Nos. 21—26, 91—96, 155—159, all of which were chosen in or near the Milky Way, in order that the number of stars might be sufficient for the purpose. They are arranged so symmetrically

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to the central line of that belt, that the real differences in star density are probably very nearly eliminated in the results.

Nine different areas were compared. If A and D denote the right ascension and declination of the *geometrical** centre of the plate, these areas are limited as follows :—

	Limits in δ	Limits in α
A I.	$D + 2^\circ \mp 0^\circ 5$	$A - \tau \mp 1^m$
A II.	„	$A \mp 1^m$
A III.	„	$A + \tau \mp 1^m$
B I.	$D \mp 0^\circ 5$	$A - \tau \mp 1^m$
B II.	„	$A \mp 4^m$
B III.	„	$A + \tau \mp 1^m$
C I.	$D - 2^\circ \mp 0^\circ 5$	$A - \tau \mp 1^m$
C II.	„	$A \mp 1^m$
C III.	„	$A + \tau \mp 1^m$

of which the central one is taken four times as large as the others. For the three belts of plates, $-21\frac{1}{2}$, $-26\frac{1}{2}$, $-31\frac{1}{2}$, τ was taken respectively equal to $8^{m.}\,0^{s.}$, $9^{m.}\,15^{s.}$, $10^{m.}\,0^{s.}$

As the extent of the plates in right ascension is respectively $20^{m.}$, $22^{m.}\,30^{s.}$ and $24^{m.}$, it will be seen that I stopped $1^{min.}$ short of the limit of the plate ; this was necessary in consequence of the somewhat variable limits to which the observations have been extended on the plates.

Table 2 shows the results ; the numbers found for the area B II. were of course divided by four to render them comparable with the rest.

TABLE 2.

	6 Plates $\delta = -21\frac{1}{2}$.			6 Plates $\delta = -26\frac{1}{2}$.			5 Plates $\delta = -31\frac{1}{2}$.		
	A	B	C	A	B	C	A	B	C
I.	230	238	255	195	219	147	118	93	83
II.	238	243	290	196	190	205	123	113	93
III.	219	227	229	212	209	190	90	92	87

Expressing these numbers in percentages over or below the average number per area in each group, and combining the three groups with the respective weights 3, 3, 2, we get

* For the plates considered this centre has a right ascension smaller than the *nominal* centre by $1^{m.}\,45^{s.}$ for the zones of plates at $\delta = -21\frac{1}{2}$ and $\delta = -26\frac{1}{2}$; by $2^{m.}$ for the zone $\delta = -31\frac{1}{2}$.

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TABLE 3.

	A	B	C
I.	+ 3	+ 2	—11
II.	+ 6	+ 3	+ 8
III.	— 3	— 2	— 6

and finally, if again we combine the results for those areas for which the effect, if any, may be expected to be nearly equal, and reducing the mean to zero by subtracting 1 per cent.—

A I., C I., A III., C III.	— 5	per cent.
B I., A II., C II., B III. -	+ 2·5	„
B II. - - - - -	+ 2	„

If it is considered that, by including stars fainter by 0·1 magnitude, the number of stars increases by 14 or 15 per cent., it will be granted that these numbers are all but insignificant.

The area C III. is certainly that for which *à priori* the expectation of a lower number of stars seemed greatest, because, owing to an eccentricity in declination and an inclination of the edges of the plates to the parallel circles for 1875, this region is often very near to the edge of the plate*.

3. The magnitude corresponding to a determinate diameter between 0′·2 and 0′·4 is practically the same in the corners of the plate as near the centre.

In order to prove this, all the plates of the zone $26\frac{1}{2}$ were used for which the total number of stars with diameters between 0′·2 and 0′·4 exceeds 100. Nineteen plates (Nos. 86–96, 120–124, 126–127, 131) were found to fulfil this condition. For these

* I have thought it advisable, therefore, to measure the narrow zones—

$\delta = -23^\circ 50'$ to $\delta = -24^\circ 0'$ (in some few cases $23^\circ 40' - 24^\circ 0'$)
$-28\ 50$ „ $-29\ 0$ ($23^h 45^m - 8^h 34^m$)
$-28\ 40$ „ $-29\ 0$ ($8^h 34^m - 23^h 45^m$)
$-33\ 50$ „ $-34\ 0$

as well on the plates of the belts $26\frac{1}{2}$, $31\frac{1}{2}$ and $35\frac{1}{2}$ as on the plates these regions properly belong to. The new stars found in these extra zones whenever they did not belong to the very faintest stars on the plates, were inserted in the catalogue, with the sign † attached to the magnitude. A somewhat brighter star has been found in this way only in those few cases where the observations could not be fully extended to the regular limit of the last zone on the plate, because the most southern part of it was actually hidden by the frame of the plate-holder. It may be considered certain that for all but the very faintest stars (— 0) the danger of omission has been quite overcome by the precaution.

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plates the diameters (between the limits mentioned) of the stars on the areas* A I., A III, C I., C III. and B II. were compared with their magnitudes in Thome's Dm. The mean results were as follows :—

TABLE 4.

Area.	Number of Stars.	Weight = 1 for every Plate.		Weight = 1 for every Star.		Mean Mag., Thome, corresponding to diam. = 0'·27.
		Diameter.	Mag., Thome.	Diameter.	Mag., Thome.	
A I.	124	0'·271	$8^m·77$	0'·267	$8^m·85$	$8^m·80$
A III.	144	0·268	8·75	0·273	8·83	8·79
C I.	137	0·267	8·73	0·270	8·78	8·75
C III.	138	0·277	8·60	0·276	8·76	8·70
B II.	302	0·272	8·67	0·272	8·74	8·72

The differences do not exceed what may be fairly attributed to accidental errors.

4. For brighter stars the same independence of the diameter from the position on the plate still holds, at least, as far as can be judged from the materials available. These being, however, necessarily scanty, I have compared, not areas in the corners of the plates with those near the centre, but only the magnitudes in the central zone with those of stars showing equal diameter in the marginal zones. I have, moreover, increased the number of data by making free use of the measurements made for the belts $\delta = -40\frac{1}{2}$, $\delta = -45\frac{1}{2}$ and $\delta = -50\frac{1}{2}$, the negatives for which were made with the photographic lens in the same state as at the time when the plates discussed in the present volume were taken.

Nineteen plates were thus found on which both the central and the marginal zones contain a tolerable number of bright stars, the diameters of which were compared with their visual magnitudes according to Gould's Z.C.

In the following table are given : in the *first* column the co-ordinates of the centre of the plate ; in the *second* the mean diameter of the stars used for comparison. If the mean diameter of the stars selected in the central zone differed somewhat from this number, I computed the correction (never exceeding some few hundredths of a mag.) necessary to reduce the visual magnitude to what would have been found if the diameter had corresponded *exactly* with the number set down in the second column. The same was done for the marginal zones.—The visual magnitude so found for the stars in the central zone is shown in the *fourth* column ; the third and fifth show the differences, *mag. marginal zone—mag. central zone.* In each of these three columns

* Only the limits in α of the areas being taken wider, in fact, from A ± $6^{m.}$ $15^{s.}$ to A ± $10^{m.}$ $15^{s.}$ and (for B II.) from A − $5^{m.}$ to A + $5^{m.}$

the number of stars used has been added. The *last* column contains the mean of the values of the third and fifth. In the means at the bottom, the first represents the mean obtained by giving equal weight to every separate result, the second by giving weights proportional to the lesser of the two numbers representing the observations in the marginal zone and the central one, or (in the last column) to the number of stars in the central zone.

TABLE 5.

Plate.		Diameter.	D + 2°. Magnitude. — Magnitude Central.	Number.	D. Magnitude.	Number.	D − 2°. Magnitude — Magnitude Central.	Number.	Mean.
	h m s	′	m		m		m		m
20½	6 45 0	0·520	+ 0·42	11	7·99	11	+ 0·01	12	+ 0·21
40½	10 40 0	0·520	+ 0·62	6	8·09	5	+ 0·15	4	+ 0·39
..	8 53 50	0·530	+ 0·15	13	7·94	9	+ 0·22	17	+ 0·18
..	9 46 40	0·530	− 0·57	6	8·57	6	− 0·42	4	− 0·50
..	12 0 0	0·560	− 0·43	3	8·46	4	− 0·37	4	− 0·40
..	8 0 0	0·580	+ 0·33	9	7·87	5	+ 0·16	6	+ 0·25
..	8 26 40	0·595	+ 0·04	8	7·71	11	+ 0·28	12	+ 0·16
..	11 6 40	0·600	− 0·43	4	7·96	5	− 0·18	6	− 0·30
20½	7 7 30	0·650	− 0·01	7	7·93	6	+ 0·03	7	+ 0·01
50½	15 30 0	0·700	+ 0·18	4	7·35	6	− 0·03	8	+ 0·07
..	16 0 0	0·700	− 0·28	6	7·68	7	− 0·15	5	− 0·22
40½	7 33 20	0·710	+ 0·46	5	6·81	6	+ 0·46	6	+ 0·46
20½	7 30 0	0·750	+ 0·37	9	7·57	11	− 0·16	13	+ 0·10
45½	8 46 9	0·800	+ 0·28	4	7·07	4	+ 0·22	4	+ 0·25
..	11 4 36	0·820	− 0·20	4	6·91	3	+ 0·02	3	− 0·09
50½	13 30 0	0·850	+ 0·08	2	6·37	4	+ 0·54	3	+ 0·31
..	13 0 0	0·900	− 1·41	2	7·07	4	+ 0·23	6	− 0·59
45½	8 18 27	0·930	+ 0·12	4	6·82	4	+ 0·05	6	+ 0·08
40½	8 0 0	0·980	+ 0·63	2	6·02	3	+ 0·75	3	+ 0·69
Mean		< 0·7	+ 0·01		...		− 0·01		0·00
Weighted Mean		< 0·7	+ 0·08		...		+ 0·05		+ 0·05
Mean		≥ 0·7	+ 0·02		...		+ 0·19		+ 0·11
Weighted Mean		≥ 0·7	+ 0·10		...		+ 0·12		+ 0·11

The values here found are so small that they can be fairly well explained by the accidental errors, which for the visual magnitudes of the brighter stars are far more considerable than those of the fainter stars.

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5. Lastly, the Tables 12 and 15, to be given further on, are alone nearly sufficient to demonstrate the independence of the diameters from the position on the plates for stars of every magnitude.

In conclusion, it is, of course, understood, and evidence for this is not wanting, that, although *systematic* error of the kind described does not seem to exist, small *accidental* differences, owing, for instance, to a somewhat unequal sensitiveness of any one plate in some of its parts, are not altogether excluded.

9.—Comparison of the Photographic with the Visual Magnitudes.—I. Magnitudes of S.D., Z.C., U A.,* and Thome, corresponding with Determined Magnitudes of C.P.D.

Although the magnitudes of the S.D. and the Z.C. have served as a basis for the computation of the photographic magnitudes, it will not be superfluous to ascertain to what degree the adjustment has been successful. In this way a judgment will become possible as to the value of the formula of reduction as a formula of interpolation and extrapolation.

In what follows, the expressions S.D.-phot.; Z.C.-phot.; U.A.-phot.; Thome-phot. may stand for the difference of the magnitude of the same stars as given in Schönfeld's, Gould's and Thome's catalogues with those of our C.P.D.

Δp may denote the correction to be applied to the magnitudes of our catalogue in order that, *for stars of equal actinic power*, photographic and mean visual magnitude shall be equal.

Δv likewise may denote the correction to be applied to our magnitudes in order that, *for stars of equal visual brightness*, visual and mean photographic magnitude shall be equal.

It might seem at first sight that the two corrections must be the same, but it will be shown in what follows that such is not the case, so that they must be separately considered.

It is with the former that we are now concerned. Comparisons have been instituted, first, for the belt of plates $-21\frac{1}{2}$ with Schönfeld's S.D., second, for all the belts of plates with the Z.C. and with Thome's Durchmusterung.

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* By S.D., Z.C., U.A., and C.P.D. will be denoted further on respectively: Schönfeld's Südliche Durchmusterung, Gould's Zone Catalogue Gould's Uranometria Argentina and the Cape Photographic Durchmusterung.

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It should be remarked that for the brighter stars Thome gives the magnitudes of the U.A., and further, that in the reduction based on the magnitudes of the Z.C. we have likewise substituted, for the brighter stars, the magnitudes of the U.A. for those of the Z.C. (*vide* Art. 6). The tables for Z.C.-phot. and Thome-phot. thus rest for the stars brighter than 7·0 for the greater part on U.A.

Table 6 gives for Schönfeld's S.D., for 18 plates, the residuals which the normals, that served for the computation of the constants B and C in the formula (1) of p. (20), left outstanding. The stars from which the tabular results were obtained are very evenly distributed over the whole area of the plates.

In the second column is given the galactic latitude (β) of the centre of the plates. In each of the six last columns is given, next to the value of Schönfeld-phot., the number of stars from which this value was obtained.

TABLE 6. S.D.-phot. Δp.

Plate.	β.	Photographic Magnitude.											
		9·0—9·6		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
h m	°	m		m		m		m		m		m	
—21½ 0 0	— 79			—0·02	41	+0·05	9			—0·01	11		
1 20	— 79			+0·01	33	—0·04	17			0·00	8		
2 40	— 62	—0·21	42			+0·26	24					+0·03	14
4 0	— 45	—0·14	43			+0·19	35					—0·06	9
5 20	— 27	—0·20	41			+0·11	30			—0·12	11		
6 40	— 10	—0·11	48	+0·19	26			—0·09	36				
8 0	+ 6	—0·03	63			+0·15	23					—0·17	11
9 20	+ 21	—0·06	55			+0·17	25			—0·05	20		
11 0*	+ 35	—0·09	39			+0·12	31	—0·06	16				
12 0	+ 40	—0·02	37	+0·02	25					+0·01	18		
13 20	+ 40	—0·07	40			+0·06	33			—0·07	6		
14 40	+ 33	+0·02	43			—0·04	19			+0·04	8		
16 0	+ 22	—0·25	50					+0·34	32			+0·05	10
17 20	+ 7	—0·05	39			+0·07	34	—0·05	14				
18 40	— 10	+0·01	50			+0·07	35					—0·16	14
20 0	— 27			+0·06	31	—0·07	18			+0·06	10		
21 20	— 44	—0·16	37			+0·21	35			—0·18	14		
22 40	— 62	—0·07	41			+0·22	23					—0·19	11
Mean ...	...	—0·10	668	+0·05	156	+0·10	391	+0·03	98	—0·04	106	—0·08	69

* For plate $10^h\ 40^m$ was substituted the plate $11^h\ 0^m$, because the reduction of the former rests on only *two* normals.

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Another comparison, exclusively for the zone $\delta = -21°$, the stars being distributed very evenly over the *whole* zone and arranged in the order of the galactic latitudes (β), has been condensed into the following table. The mean was taken, giving every star the same weight—

TABLE 7. S.D.-phot. Δp.

Limits of β.	Mean β.	Photographic Magnitude.						
		9·5—9·9	9·0—9·4	8·5—8·9	8·0—8·4	7·5—7·9	7·0—7·4	6·0—6·9
° °	°	m	m	m	m	m	m	m
— 60 to — 90	— 73	—0·30 35	—0·13 35	0·00 35	+0·20 30	+0·07 20	—0·05 11	+0·10 3
— 40 „ — 60	— 49	—0·23 28	—0·04 29	+0·17 29	+0·03 24	—0·03 14	—0·43 6	+0·20 2
± 20 „ ± 40	± 32	—0·20 83	—0·02 87	+0·16 87	—0·02 80	+0·04 48	+0·02 19	—0·20 5
± 10 „ ± 20	± 14	—0·09 36	+0·04 36	+0·20 36	+0·09 35	—0·17 16	+0·01 9	—0·40 1
— 10 „ + 10	± 4	—0·06 24	+0·15 24	+0·08 24	+0·07 24	—0·07 9	0·00 1	+0·07 3
Mean...............	...	—0·19 206	—0·01 211	+0·13 211	+0·05 193	0·00 107	—0·06 46	—0·04 14

The two sets of results agree as well as could be expected. Adding the values for the magnitudes 4·0 to 5·9, which were obtained not from zone 21° only, but from *all* the zones 19°—22°, we may adopt definitively—

TABLE 8. S.D.-phot. Δp.

Phot. Mag.	Δp.	Number of Stars.	Phot. Mag.	Δp.	Number of Stars.
	m			m	
9·5—9·9	— 0·19	206	7·0—7·4	— 0·05	152
9·0—9·4	— 0·04	879	6·0—6·9	— 0·07	83
8·5—8·9	+ 0·10	367	5·0—5·9	— 0·18	46
8·0—8·4	+ 0·08	584	4·0—4·9	— 0·14	19
7·5—7·9	+ 0·01	205			

A change of the correction with the galactic latitude, for the stars fainter than $9^m{\cdot}0$, is apparent in Table 7. This change is caused by the fact discussed before (*vide* Art. 7), that stars of equal visual magnitude in different galactic latitudes have produced widely different diameters. This difference, clearly reflected in the values of the constants B and C (list IV. at the end of the Introduction) is so great

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that the adjustment of the formula (1), p. (20), to stars beyond the limits of the normals which served for its computation, is slightly affected.

The following table, perfectly analogous to Table 6, gives the value of Δp for the magnitudes of the Cordoba Zone Catalogue and the Uranom. Arg., the former for the fainter stars, the latter for the stars brighter than 7·0.

TABLE 9. Z.C.-phot. and U.A.-phot. Δp.

Plate.		β	Photographic Magnitude.					
			9·0—9·4	8·5—8·9	8·0—8·4	7·5—7·9	7·0—7·4	6·0—6·9
	h m	°	m	m	m	m	m	m
26½	0 0	− 81	−0·13 35		+0·15 22			−0·10 15
	1 30	− 79	−0·13 49		+0·18 22			−0·14 11
	3 0	− 59		−0·05 25	+0·10 38		−0·12 15	
	4 30	− 39	−0·18 25	+0·17 50		−0·15 25		
	6 0	− 20	−0·11 28	+0·10 51		−0·09 30		−0·44 (!) 3
	7 30	− 2	−0·07 31	+0·10 49	+0·05 51		−0·06 22	
	9 0	+ 14	−0·17 57		+0·22 30	−0·14 30		
	10 30	+ 28	−0·14 33		+0·17 51		−0·16 11	
	12 0	+ 35	−0·22 43	+0·24 48		−0·18 18		
	13 30	+ 35	−0·13 42		+0·15 44		−0·10 19	
	15 0	+ 27	−0·14 49		+0·18 37		−0·21 17	
	16 30	+ 13	−0·12 49		+0·13 45		−0·10 20	
	18 0	− 4	−0·38 36	+0·30 51	+0·28 49		−0·05 21	
	19 30	− 22	−0·15 58		+0·18 42			−0·13 10
	21 0	− 41	−0·06 19	+0·06 51			−0·05 23	
	22 30	− 61	−0·08 33		+0·14 38		−0·08 15	
31½	0 0	− 80		0·00 30	0·00 42			
	1 36	− 77	0·00 31		−0·01 35		+0·01 17	
	3 12	− 57	−0·17 39		+0·14 41		+0·07 12	
	4 48	− 37	−0·19 19	+0·19 68		−0·06 24		
	6 24	− 17	+0·05 66			−0·05 47		
	8 0	+ 1	−0·05 50	+0·08 64		−0·06 33		
	9 36	+ 16	−0·14 68		+0·16 48		−0·16 18	
	11 12	+ 27	−0·08 43	+0·12 49			−0·05 19	
	12 48	+ 31	−0·06 46		+0·09 59		−0·10 16	
	14 24	+ 26	−0·12 61		+0·11 52	−0·15 16		
	16 0	+ 14	−0·18 58		+0·20 50		−0·24 27	
	17 36	− 2	−0·06 68		+0·05 66			−0·12 12
	19 12	− 20	−0·01 64		+0·01 40	−0·02 16		
	20 48	− 40	−0·19 18	+0·16 51			−0·13 29	
	22 24	− 60	+0·02 23	+0·05 42		−0·10 19		

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TABLE 9. Z.C.-phot. and U.A.-phot. Δp—*continued.*

Plate.	β	Photographic Magnitude.					
		9·0—9·6	8·5—8·9	8·0—8·4	7·5—7·9	7·0—7·4	6·0—6·9
h m s	°	m	m	m	m	m	m
35½ 0 0 0	− 78		−0·16 20		+0·16 19		−0·34 5
1 41 3	− 75	−0·03 28		+0·05 25			−0·03 10
3 22 6	− 55		−0·05 42		+0·07 18		−0·04 13
5 3 10	− 35	−0·05 40			+0·06 14		−0·03 10
6 44 13	− 15		−0·11 66		+0·15 30		−0·11 13
8 25 16	+ 3	−0·08 52		+0·16 40	−0·04 16		−0·12 8
10 6 19	+ 17	−0·04 63			+0·15 18		−0·14 7
11 47 22	+ 26	−0·02 33		+0·08 41		−0·08 15	
13 28 25	+ 26	−0·06 22	+0·08 40		−0·05 21		
15 9 29	+ 18		−0·21 65		+0·27 23		−0·16 12
16 50 32	+ 4	+0·03 71		−0·06 22		+0·02 12	
18 31 35	− 14	+0·01 44		−0·01 45	+0·01 17		
20 12 38	− 33		+0·02 28		−0·03 25	+0·02 15	
21 53 41	− 54		−0·07 48		+0·10 21		−0·06 5
23 34 44	− 74	−0·01 30			+0·01 13		−0·01 5

No change with the galactic latitude can be traced, so that the means may be adopted for the whole of the observations. Collecting, therefore, the results, and completing them for the brighter stars by the data which were brought together from *all* the plates, I get—

TABLE 10. Z.C.-phot. and U.A.-phot. Δp.

Phot. Mags.	21½		26½		31½		35½		Adopted Mean. 24°·0—38°·0
	m		m		m		m		m
9·0—9·4	− 0·03	120	− 0·15	587	− 0·08	654	− 0·03	383	− 0·08
8·5—8·9	+ 0·19	143	+ 0·13	325	+ 0·10	304	− 0·07	309	+ 0·05
8·0—8·4	+ 0·26	154	+ 0·16	469	+ 0·08	433	+ 0·04	173	+ 0·09
7·5—7·9	+ 0·08	98	− 0·14	103	− 0·07	155	+ 0·07	235	− 0·05
7·0—7·4	+ 0·04	62	− 0·10	163	− 0·09	138	− 0·01	42	− 0·07
6·0—6·9	− 0·14	36	− 0·15	39	− 0·12	12	− 0·10	88	− 0·12
5·0—5·9	− 0·30	12	− 0·02	34	− 0·22	28	− 0·20	40	− 0·15
4·0—4·9	...		− 0·47	14	+ 0·32	14	+ 0·19	12	+ 0·01

For the belt of plates 21½ the materials available are very scanty, and, for the greater part, contained in zone − 23°, situated at the edge of the plate. As, however, this correction is very important, because, if known, the *whole* of our catalogue can be

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reduced for magnitude to Gould's system, I have compared carefully *all* the stars of the Z.C. north of $-23°$, over 250 in number, nearly all those north of $-23° 20'$, and the brighter ones between $-23° 20'$ and $23° 40'$. The column for $21\frac{1}{2}$ has been obtained by combining the results, giving the weight 0·6 to the results of the comparisons of the stars south of $-23°$.

Small as the values for the zones between $-24°·0$ and $-38°·0$ are, they show a decided parallelism with those found for S.D.-phot., referable to an imperfection (smaller indeed than I had anticipated) of our formula of reduction.

For the determination of the differences Thome-phot., which, perhaps, are even more interesting than the preceding ones, because the *Cordoba Durchmusterung* has not been used in the reduction of our plates, stars were compared from the zones 22°, 24°, 25°, 26°, 27°, 28°, 29°, 31°,* and distributed as evenly as practicable over all the plates. Combining the results of each of the three belts of plates, for which the first volume of Thome's Dm. contains materials for comparison, and arranging them in the order of the galactic latitude, I get the following table in which the means were taken, giving weights to the individual results proportional to the number of stars on which they rest.

TABLE 11. Thome-phot. Δp.

Belt $21\frac{1}{2}$. 72 Plates.

Limits of β.	Mean β.	Photographic Magnitude. 9·5—9·9		9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
° °	°	m		m		m		m		m		m		m	
−61 to −90	− 74	−0·32	39	−0·12	38	+0·12	35	+0·06	34	+0·10	21	+0·04	14	+0·09	11
−41 „ −60	− 49	−0·23	30	+0·02	30	+0·17	30	+0·06	29	+0·26	14	+0·15	6	−0·10	9
±21 „ ±40	± 32	−0·17	84	0·00	87	+0·07	87	+0·03	82	−0·03	58	+0·01	32	0·00	27
±11 „ ±20	± 14	−0·14	30	+0·06	33	+0·15	33	+0·11	29	−0·07	23	−0·04	10	−0·04	13
−10 „ +10	± 4	−0·03	27	+0·21	27	+0·26	27	+0·22	23	+0·12	17	−0·07	12	+0·26	8
Weighted Mean ...		−0·18	210	+0·02	215	+0·13	212	+0·08	197	+0·03	133	+0·01	74	+0·03	68

Belt $26\frac{1}{2}$. 64 Plates.

Limits of β.	Mean β.	9·5—9·9		9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
−61 to −90	− 75	−0·43	51	−0·24	52	−0·12	43	−0·07	46	−0·21	19	−0·41	17	+0·23	7
−41 „ −60	− 50	−0·30	35	−0·12	36	+0·01	36	−0·11	31	+0·11	21	−0·15	11	−0·31	10
±21 „ ±40	± 31	−0·28	108	−0·10	108	−0·03	108	−0·11	102	−0·13	48	−0·52	42	−0·25	15
±11 „ ±20	± 15	−0·16	51	+0·03	51	−0·07	51	+0·05	45	−0·09	37	−0·29	14	−0·05	6
−10 „ +10	± 5	+0·03	39	+0·13	39	+0·02	39	−0·16	37	−0·13	26	−0·27	11	−0·15	2
Weighted Mean ...		−0·25	284	−0·07	286	−0·04	277	−0·08	261	−0·10	151	−0·39	95	−0·14	40

* When the comparison with Thome was made, the second part of the *Cordoba Durchmusterung* had not yet appeared. This is the reason why no comparisons were made for stars south of $-32°·0$.

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TABLE 11. Thome-phot. Δ*p*—*continued.*

Belt $31\frac{1}{2}$. 60 Plates.

Limits of β.	Mean β.	Photographic Magnitude.													
		9·5—9·9		9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
° °	°	m		m		m		m		m		m		m	
—61 to —90	— 74	—0·76	54	—0·40	51	—0·24	48	—0·26	40	—0·34	28	—0·26	14	—0·20	18
—41 „ —60	— 50	—0·66	33	—0·42	33	—0·29	30	—0·26	30	—0·24	18	—0·22	6	—0·11	9
±21 „ ±40	± 29	—0·39	99	—0·26	99	—0·20	95	—0·25	93	—0·24	48	—0·37	27	—0·25	13
±11 „ ±20	± 14	—0·36	44	—0·14	45	—0·11	44	—0·04	44	—0·31	30	—0·35	8	—0·08	8
—10 „ +10	± 5	—0·16	39	+0·04	39	+0·07	39	—0·19	38	—0·30	25	—0·28	14	+0·05	8
Weighted Mean ...		—0·46	269	—0·24	267	—0·16	256	—0·20	245	—0·29	149	—0·32	69	—0·14	56

The results for the belt $-21\frac{1}{2}$ agree in a very remarkable manner with those for S.D.-phot. (Table 7). Not only are the means nearly the same, which was to be expected since Thome has found his scale of magnitudes nearly identical with that of Schönfeld (Introduction to the *Cordoba Durchmusterung*, p. xxvii.), but the change of the correction with the galactic latitude is insensible for the brighter stars for both observers, and all but identical for those fainter than $9^{m}\cdot0$; so that if systematic errors in the estimates of magnitude exist, they must be the same for the S.D. and for Thome's Dm., at least for the zones $-21°$ of Schönfeld and $-22°$ of Thome.

All the belts, most strongly those of the declination $-26\frac{1}{2}$ and $-31\frac{1}{2}$, show, for the stars fainter than 9·0 or even than 8·5, a decided and very large change with the galactic latitude. In this respect these comparisons thus show a totally different behaviour from those with Z.C. If we suppose the magnitudes of Thome correct, then the fainter stars of the Z.C. have been estimated half a magnitude *brighter* in the Milky Way than at the poles of that belt. The difference is in such a direction that the results of our investigation as to the more energetic action on the plates of the stars in the Milky Way as compared with that of *visually* equally bright stars in other parts of the sky (*vide* Art. 7), would have become *exaggerated* if the investigation had been based on comparisons with Thome's Dm. instead of on comparisons with the Z.C.

The mean values too of the corrections for the zones $26\frac{1}{2}$ and $31\frac{1}{2}$ do not agree as well as might have been expected from so large a number of stars compared. For this reason, and for the sake of showing once more the independence of the photographic magnitudes from the position of the stars on the plates, it will be well to give

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the separate means for all the declinations for which comparisons were made. The general means were here taken by giving equal weight to the results for 24°, 25°, &c., so that they disagree slightly from those of Table 11.

TABLE 12. Thome-phot. Δp.

Dec.	Photographic Magnitude.							Total Number of Plates.	Total Number of Stars.
	9·5—9·9	9·0—9·4	8·5—8·9	8·0—8·4	7·5—7·9	7·0—7·4	6·0—6·9		
°	m	m	m	m	m	m	m		
22	−0·18 210	+0·02 215	+0·13 212	+·008 197	+0·03 133	+0·01 74	+0·03 68	72	1109
24	−0·31 48	−0·06 46	+0·02 46	0·00 46	−0·01 28	−0·50 13	−0·20 5	16	236
25	−0·26 48	−0·14 48	−0·03 43	−0·11 43	−0·02 23	−0·25 19	−0·30 6	16	232
26	−0·22 93	−0·06 96	−0·07 96	−0·08 82	−0·22 46	−0·37 44	−0·11 19	32	477
27	−0·17 48	−0·01 48	−0·07 46	−0·14 46	−0·13 29	−0·73(½) 9	+0·13 3	16	231
28	−0·30 47	−0·11 48	0·00 46	−0·08 44	0·00 25	−0·33(½) 10	−0·20 7	16	231
Mean...	−0·25 284	−0·08 286	−0·03 277	−0·08 261	−0·08 151	−0·41 95	−0·15 40	64	1407
29	−0·44 90	−0·17 89	−0·06 86	−0·26 82	−0·33 50	−0·33 17	−0·12 10	30	424
31	−0·47 179	−0·28 178	−0·21 170	−0·18 163	−0·26 99	−0·31 52	−0·15 46	60	887
Mean...	−0·46 269	−0·23 267	−0·14 256	−0·22 245	−0·29 149	−0·32 69	−0·14 56	60	1311

That the values of Δp for the first belt differs somewhat from those for the two others, must be attributed, of course, to the fact that the reduction of the former was based on Schönfeld's magnitudes, that of the others on those of the Z.C. The discrepancies between the results for the belts of plates $26\frac{1}{2}$ and $31\frac{1}{2}$ must be attributed mainly to a slight want of homogeneity either in Thome's Dm. or in Z.C. Where changes in the value of Δp occur, they seem nearly to coincide with the boundary line between the plates, so that the three series of mean results must very nearly represent the corrections for the three belts.

10.—II. Magnitudes of C.P.D. corresponding with Determined Magnitudes of S.D., Z.C., U.A., and Thome.

The value of Δv was obtained in the same way as that of Δp in the preceding article. Only in the case of S.D. and Z.C. *all* the classes of magnitude have not been used as standards of comparison, but only the exact multiples of half a magnitude, 10·0, 9·5, 9·0, &c. In the case only of the brighter stars, where this mode of proceeding

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would have diminished the number of available stars in too high a degree, all degrees of magnitude were made use of, but for the sake of uniformity, the stars 6·8–7·2 were all reduced to the class 7·0, &c.

The results of the comparisons have been embodied in the following tables.

TABLE 13. S.D.-phot. Δ*v* (72 Plates. Zones 19° and 21°).

Limits of β.	Mean β.	Magnitude of Schönfeld.								
		10·0	9·5	9·0	8·5	8·0	7·5	7·0	6·5	6·0
° °	°	m	m	m	m	m	m	m	m	
−61 to −90	−74	+0·08 11	−0·15 51	−0·09 75	0·00 43	+0·07 38	−0·20 23	−0·22 17	−0·65 4	+0·20 2
−41 „ −60	−52	−0·02 15	−0·28 59	−0·01 59	+0·12 42	−0·09 22	−0·10 12	−0·54 10	−0·72 5	...
±21 „ ±40	±34	+0·08 137	−0·13 195	+0·06 197	+0·03 165	−0·07 137	−0·22 89	−0·35 40	−0·76 12	−0·82 8
±11 „ ±20	±14	+0·08 36	−0·14 70	+0·07 70	−0·01 67	−0·25 57	−0·34 21	−0·50 15	−0·57 6	−1·57 3
−10 „ +10	± 5	+0·10 54	−0·19 60	+0·07 60	+0·03 59	−0·23 48	−0·53 21	−0·74 14	−0·95 4	−0·80 2
Mean	...	+0·08 253	−0·16 435	+0·03 461	+0·03 376	−0·11 302	−0·27 166	−0·43 96	−0·73 31	−0·83 15

from which, in order to make the results comparable with those of Table 8, I get by interpolation* and by addition of the values found for the stars 4·0 to 5·9 from the observation of *all* the zones between 19°·0 and 23°·0—

TABLE 14. S.D.-phot. Δ*v*.

Mag. Schönf.	Δ*v*.
m m	m
9·5—9·9	− 0·05
9·0—9·4	− 0·05
8·5—8·9	+ 0·03
8·0—8·4	− 0·05
7·5—7·9	− 0·21
7·0—7·4	− 0·37
6·0—6·9	− 0·66
5·0—5·9	− 0·62 (68 Stars)
4·0—4·9	− 0·67 (21 „)

* Giving half weight to the results for magnitude 6·0.

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For the Z.C. I get—

TABLE 15. Z.C.-phot. Δ*v*.

δ	Magnitude of Z.C.																Number of Plates.
	9·5		9·0		8·5		8·0		7·5		7·0		6·5		6·0		
°	m		m		m		m		m		m		m		m		
24	+0·34	89	+0·08	120	+0·01	91	—0·15	104	—0·33	37	—0·49	30	—0·35	13	—0·76	11	32
26*	+0·30	170	+0·07	228	—0·09	184	—0·20	196	—0·40	111	—0·50 (2)	88	—0·46 (3)	42	—0·73 (2)	19	64
28	+0·13	96	+0·02	111	—0·14	90	—0·31	92	—0·21	37	—0·29	19	—0·14	7	—0·66	10	32
Mean	+0·26	355	+0·06	459	—0·07	365	—0·22	392	—0·31	185	—0·45	137	—0·37	62	—0·72	40	64
29	+0·21	90	+0·06	105	—0·16	98	—0·30	70	—0·52	32	—0·64	29	—0·95	6	—1·14	7	30
31†	+0·29	211	+0·09	226	—0·02	166	—0·21	184	—0·43	117	—0·54 (2)	86	—0·61 (3)	39	—0·83 (3)	27	60
33	+0·28	100	+0·01	116	—0·10	94	—0·16	65	—0·24	25	—0·58	24	—0·48	5	—0·70	4	30
Mean	+0·26	401	+0·05	447	—0·09	358	—0·22	319	—0·40	174	—0·56	139	—0·65	50	—0·87	38	60
34, 36	+0·31	216	+0·10	256	—0·07	218	—0·12	212	—0·33	144	—0·44	97	—0·48	48	—0·48	25	57

* The brighter stars from declinations 26 and 27.
† The brighter stars from declinations 30°, 31° and 32°.

from which, in order to get results comparable with those of Table 10, the following table was interpolated, which, as before, was completed for the magnitudes 4·0—5·9.

TABLE 16.* Z.C.-phot. and U.A.-phot. Δ*v*.

Mag. Z.C.	21½		26½		31½		35½		Mean for the Zones — 24°·0 to — 38°·0.
	m		m		m		m		m
9·0—9·4	+ 0·29	256	+ 0·14		+ 0·13		+ 0·18		+ 0·15
8·5—8·9	+ 0·16	113	— 0·02		— 0·03		0·00		— 0·02
8·0—8·4	+ 0·10	99	— 0·16		— 0·17		— 0·10		— 0·14
7·5—7·9	— 0·17	67	— 0·27		— 0·33		— 0·25		— 0·28
7·0—7·4	— 0·28	40	— 0·39		— 0·50		— 0·40		— 0·43
6·0—6·9	— 0·47	39	— 0·50		— 0·70		— 0·47		— 0·56
5·0—5·9	— 0·93	16	— 0·66	79	— 0·57	69	— 0·36	57	— 0·53
4·0—4·9	...		— 0·77	22	— 0·50	20	— 0·74	18	— 0·67

The numbers of the column for —21½ have been obtained in the way explained in the preceding article.

* This table depends, from mag. 6·0—9·5 exclusively on the mags. of Z.C.
from mag. 4·0—5·9 exclusively on those of U.A.

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For showing the behaviour in different galactic latitudes the numbers for the belts 26½, 31½, 35½ were differently grouped and gave then—

TABLE 17. Z.C.-phot. Δv.

Limits of β.	β	Magnitude of Z.C. 9·5		9·0		8·5		8·0		7·5		7·0		6·5		6·0	
° °	°	m		m		m		m		m		m		m		m	
−61 to −90	−73	+0·24	123	+0·08	202	−0·05	132	−0·11	154	−0·35	56	−0·40	45	−0·49	41	−0·76	16
−41 „ −60	−49	+0·26	92	+0·12	117	−0·04	80	−0·19	82	−0·31	50	−0·44	35	−0·36	18	−0·67	10
±21 „ ±40	±30	+0·28	378	+0·07	431	−0·06	352	−0·20	337	−0·37	178	−0·52	133	−0·49	49	−0·68	30
±11 „ ±20	±15	+0·27	200	+0·06	212	−0·06	201	−0·22	193	−0·36	98	−0·44	77	−0·54	27	−0·72	24
−10 „ +10	± 5	+0·33	179	+0·05	180	−0·15	176	−0·23	157	−0·40	121	−0·60	83	−0·59	25	−0·76	23
Weighted Mean ...		+0·28	972	+0·07	1142	−0·08	941	−0·19	923	−0·37	503	−0·50	373	−0·50	160	−0·72	103

so that no change within the galactic latitude is indicated.

Finally, for Thome-phot. was found from stars in the declinations 22°, 26°, 31°—

TABLE 18. Thome-phot. Δv.

Belt 21½. 72 Plates.

Limits of β.	Mean β.	Magnitude of Thome. 9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
° °	°	m		m		m		m		m		m	
− 61 to − 90	− 75	−0·24	19	−0·01	20	+0·07	20	−0·07	15	−0·17	12	−0·29	7
− 41 „ − 60	− 57	−0·09	15	−0·02	15	−0·12	13	−0·15	11	−0·09	7	−0·10	1
± 21 „ ± 40	± 32	−0·11	50	−0·08	50	−0·09	49	−0·25	44	−0·38	33	−0·40	14
± 11 „ ± 20	± 13	−0·10	20	+0·02	20	−0·24	18	−0·15	17	−0·13	10	−0·55	4
− 10 „ + 10	± 2	+0·02	25	+0·03	25	+0·16	18	−0·22	18	−0·05	10	−0·07	7
Weighted Mean		−0·10	129	−0·03	130	−0·05	118	−0·20	105	−0·23	72	−0·32	33

Belt 26½. 64 Plates.

Limits of β.	Mean β.	9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
− 61 to − 90	− 73	−0·40	25	−0·32	25	−0·34	16	−0·37	19	−0·25	12	−0·54	15
− 41 „ − 60	− 50	−0·44	10	+0·01	10	−0·16	10	−0·33	9	−0·56	5	−0·37	6
± 21 „ ± 40	± 30	−0·15	50	−0·25	50	−0·21	50	−0·42	46	−0·55	31	−0·41	14
± 11 „ ± 20	± 16	+0·01	15	−0·21	15	−0·27	15	−0·41	14	−0·63	13	−0·47	9
− 10 „ + 10	± 6	−0·10	30	−0·21	30	−0·44	29	−0·43	18	−0·54	24	−0·42	12
Weighted Mean		−0·19	130	−0·23	130	−0·29	129	−0·40	106	−0·52	85	−0·45	56

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TABLE 18. Thome-phot. Δv—*continued.*

Belt $31\frac{1}{2}$. 60 Plates.

Limits of β.	Mean β.	Magnitude of Thome.											
		9·0—9·4		8·5—8·9		8·0—8·4		7·5—7·9		7·0—7·4		6·0—6·9	
$-61°$ to $-90°$	$-73°$	$-0^m·94$	25	$-0^m·80$	25	$-0^m·55$	25	$-0^m·64$	24	$-0^m·44$	18	$-0^m·63$	9
-41 „ -60	-51	$-0·64$	10	$-0·49$	10	$-0·47$	10	$-0·66$	9	$-0·66$	7	$-0·50$	3
± 21 „ ± 40	± 29	$-0·38$	45	$-0·37$	45	$-0·21$	45	$-0·45$	45	$-0·56$	34	$-0·65$	19
± 11 „ ± 20	± 15	$-0·19$	20	$-0·16$	20	$-0·36$	20	$-0·39$	19	$-0·46$	9	$-0·57$	12
-10 „ $+10$	± 3	$-0·12$	31	$-0·11$	31	$-0·31$	30	$-0·49$	31	$-0·67$	23	$-0·37$	3
Weighted Mean ...		$-0·41$	131	$-0·37$	131	$-0·34$	130	$-0·50$	128	$-0·56$	91	$-0·60$	46

11.—The Values of Δp and Δv Compared.

It is easy to show that the mean value of Δp for the faintest stars of Table 8 must be somewhat too small, the corresponding value of Δv in Table 14 somewhat too great.

In the regions near the poles of the Milky Way the S.D. is richer in stars than our Dm. and nearly all our stars in these regions are to be found in that work. The result found for Δp will be therefore unobjectionable. In the regions in or near the Milky Way, on the other hand, the S.D. is far poorer in stars ; for these portions of the sky only the brighter ones, visually, of those whose photographic magnitude is 9·5—9·9 have been observed at Bonn, and the mean visual brightness corresponding to these photographic magnitudes will be, therefore, over-estimated. Δp will be found, in consequence, too small in or near the Milky Way and the mean of this value with the correct one for the poles of that belt will be too small also.

An analogous course of reasoning shows that Δv must be found correct for the regions in or near the Milky Way, too big at the poles, consequently too big in the mean.

The same applies to the value of Δp for the stars between $9^m·0$ and $9^m·5$ of the Z.C. (Table 10), the sign of which would have been doubtlessly found the reverse without this cause. Lastly, the same would have applied even in a higher degree to the value of Δv for the stars $9^m·5$—$9^m·9$ of Thome's Dm., which we did not compute for that reason.

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There is nothing unexpected, therefore, in the difference shown by the values Δp and Δv for these stars. But on comparing the corresponding Tables 8 and 14, 10 and 16, 11 and 18, it is readily seen that the difference between the two values is not confined to these faint stars, but exists for all classes of magnitude. To show clearly the nature of these differences I have brought them together in the following table—

TABLE 19. Δp—Δv.

Mag.	Z.C. and U.A.				Thome.			Mean.			General mean
	21½	26½	31½	35½	21½	26½	31½	S.D.	Z.C.	Thome.	
m m								m			
9·5–9·9	m	m	m	m	m	m	m	(—0·14)	m	m	m
9·0–9·4	(—0·32)	(—0·29)	(—0·21)	(—0·21)	+0·12	+0·12	+0·17	+0·01	(—0·26)	+0·14	+0·08
8·5–8·9	+0·03	+0·15	+0·13	—0·07	+0·16	+0·19	+0·21	+0·07	+0·06½	+0·19	+0·12
8·0–8·4	+0·16	+0·32	+0·25	+0·14	+0·13	+0·21	+0·14	+0·13	+0·22	+0·16	+0·17
7·5–7·9	+0·25	+0·13	+0·26	+0·32	+0·23	+0·30	+0·21	+0·22	+0·24	+0·25	+0·24
7·0–7·4	+0·32	+0·29	+0·41	+0·39	+0·24	+0·13	+0·24	+0·32	+0·35	+0·20	+0·29
6·0–6·9	+0·33	+0·35	+0·58	+0·37	+0·35	+0·31	+0·46	+0·59	+0·41	+0·37	+0·46
5·0–5·9	+0·63	+0·64	+0·35	+0·16				+0·44	+0·45		+0·45
4·0–4·9		+0·30	+0·82	+0·93				+0·53	+0·68		+0·60

In taking the general mean I have not considered the values in brackets ; the reason of their exclusion has been just now explained. To the value of the Z.C. for the stars 8·5—8·9, which might still to a certain extent be affected by the same cause, half weight was given.

The facts forcibly brought out by this table, viz.—

(*a*) that the difference Δp—Δv is positive for the whole range of magnitude ;

(*b*) that it increases with the brightness of the stars,

can be readily explained.*

The first is caused by the real differences of colour between the stars, together with the fact that the number of stars increases with decreasing brightness.

The second goes far to prove that, really or apparently†, the fainter stars are, generally speaking, more uniform in colour than the brighter ones.

---

* A single example may be given to illustrate the importance of these differences. The Star Phot. Dm. — 19°, 219 is 6·3 according to Schönfeld and 7·2 according to our measurements. Applying the corrections Δv (Table 14) to Schönfeld's magnitude we get — $0^m·2$ for the corrected difference of magnitude ; applying, on the other hand, the correction Δp (Table 8) to the photographic magnitude, we get — $0^m·85$ for the same difference. In the latter system, therefore, the star is far lower down in the scale of blueness than in the former.

† That the difference in range of colour may be only apparent will be explained in Art. 19.

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To show this and to compute the value of $\Delta p - \Delta v$, we may start from any arbitrary system of photographic magnitudes. It is only for the sake of convenience that we choose the system of our catalogue.

Let N_m be the total number of stars of the visual magnitude *m*. We may adopt for this number the formula

$$(1)\ldots\ldots\ldots\ldots\ldots\ldots N_m = H\,k^m$$

where, according to Gould's computations (Uran. Arg., p. 354), based on the number of stars in the northern Bonn. Dm.

$$k = 3{\cdot}87.$$

Let for stars of a *determined visual magnitude m*, $\phi(\omega)\,\delta\omega$ be the probability that the difference "vis. mag. – phot. mag.", cleared of mere errors of observations, lie between ω and $\omega + \delta\omega$. Let $\psi(\omega)\,\delta\omega$ represent the same probability for stars of a determined *photographic* magnitude, and let us assume :

1. That the function $\phi(\omega)$ does not vary with the magnitude.

About the form of this function we know little beyond the fact that its value must be small for large positive and negative values of ω*. We will *assume* therefore that, for any determined *visual* magnitude, the deviations $\omega - \Delta v$, of the values of ω from their mean Δv, which we may conveniently call *degrees of blueness*, follow the law governing the distribution of accidental errors ; that is we will assume

$$(2)\ldots\ldots\ldots\ \phi(\omega) = \frac{h}{\sqrt{\pi}}\, e^{-h^2(\omega - \Delta v)^2}$$

in which the multiplier has been determined by the condition $\int_{-\infty}^{\infty} \phi(\omega)\,\delta\omega = 1.$

This premised we can readily demonstrate the following propositions (*l* denoting Nep. log.)

I. The corrections Δp will be determined by

$$(3)\ldots\ldots\ldots\ldots\ldots\ \Delta p - \Delta v = \frac{l\,k}{2\,h^2} = 2{\cdot}974\ r^2$$

II. The number P_m of stars of the *photographic* magnitude *m* will be

$$(4)\ldots\ldots\ldots\ldots\ P_m = N_m\, e^{\frac{1}{2}\,l\,k\,[\Delta p + \Delta v]}$$

*It is certainly not to be considered hopeless to determine at least approximately the form of this function from observation. It seems, however, that the materials at present available for such a determination are not sufficiently accurate for the purpose.

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III. The quantities $\omega - \Delta p$, the degrees of blueness for any determined *photographic* magnitude, will also follow the law of distribution of accidental errors and the modulus of precision h will be the same as in the case of a determined *visual* magnitude. In fact we will have—

$$(5)\ldots\ldots\ldots\ldots \psi(\omega) = \frac{h}{\sqrt{\pi}} e^{-h^2 [\omega - \Delta p]^2}$$

In these formulæ r is the probable degree of blueness, either for stars of constant *visual* or of constant *photographic* magnitude.

We may demonstrate these formulæ as follows :—

Consider the photographic magnitude m. This magnitude belongs to all the stars visually $m + \kappa$ for which the difference " vis. mag.—phot. mag." is κ magnitudes. The number of these for κ between ω and $\omega + \delta\omega$ is

$$(6)\ldots\ldots\ldots\ldots\ldots\ldots\ldots\ldots \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega$$

We will have therefore

$$\left.\begin{array}{r}\text{mean visual mag. of}\\ \text{the stars photo-}\\ \text{graphically} = m\end{array}\right\} = \frac{\int_{-\infty}^{\infty} (m + \omega)\, \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega}{\int_{-\infty}^{\infty} \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega} = m + \frac{\int_{-\infty}^{\infty} \omega\, \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega}{\int_{-\infty}^{\infty} \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega}$$

and in consequence of (1) and definition of Δp (Art. 8)

$$(7)\ldots\ldots\ldots \Delta p = \frac{\int_{-\infty}^{\infty} \omega\, k^{\omega} \phi(\omega)\, \delta\omega}{\int_{-\infty}^{\infty} k^{\omega} \phi(\omega)\, \delta\omega}$$

from which, substituting (2), without difficulty

$\Delta p = \Delta v + \frac{l\,k}{2\,h}$, which is equivalent to equation (3).

Further P_m is evidently the integral between $-\infty$ and ∞ of the expression (6), that is

$$(8)\ldots\ldots\ldots \mathrm{P}_m = \int_{-\infty}^{\infty} \mathrm{N}_{m + \omega}\, \phi(\omega)\, \delta\omega$$

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or according to (1) and (2)

$$P_m = \frac{h}{\sqrt{\pi}} N_m \int_{-\infty}^{\infty} k^{\omega} e^{-h^2(\omega - \Delta v)^2} \delta\omega =$$

$$= \frac{h}{\sqrt{\pi}} N_m e^{\Delta v\, l\, k + \left(\frac{l\,k}{2\,h}\right)^2} \int_{-\infty}^{\infty} e^{-h^2\left[\omega - \left(\Delta v + \frac{l\,k}{2\,h^2}\right)\right]^2} \delta\omega$$

$$= N_m e^{\Delta v\, l\, k + \left(\frac{l\,k}{2\,h}\right)^2}$$

which again, according to (3), reduces to

$$P_m = N_m e^{\frac{1}{2} l\, k [\Delta p + \Delta v]} \qquad Q.E.D.$$

Finally, as has been said just now, the expression (6) shows the number of stars of the determined *photographic* magnitude m, visually $m + \omega$ to $m + \omega + \delta\omega$. On the other hand, this number is evidently $P_m \psi(\omega) \delta\omega$.

Consequently

$$P_m \psi(\omega) = N_{m+\omega} \phi(\omega)$$

Writing in this formula $N_{m+\omega} = k^{\omega} N_m = N_m e^{\omega l k}$ (according to (1)) and for P_m and $\phi(\omega)$ their values (4) and (2), we get

$$\psi(\omega) = \frac{h}{\sqrt{\pi}} e^{-\frac{1}{2} l\, k [\Delta v + \Delta p] - h^2(\omega - \Delta v)^2 + \omega\, l\, k}$$

which by the use of (3) reduces at once to the formula (5).

The tables 6—18 and 19, together with formula (2), prove that the assumption that $\phi(\omega)$ does not vary, cannot be regarded as consistent with the facts, for they show that at least the value of Δv as well as that of $\Delta p - \Delta v$, consequently that of h, vary with the magnitude. It therefore remains to consider :

2. What changes, if any, are introduced in the formulæ by this variation with the magnitude of the quantities Δv, Δp and h.

It appears that all the formulæ still hold good with an approximation sufficient for all purposes, provided that we take Δv, Δp, h to denote the values these quantities have for one and the same magnitude m. Somewhat more approximately still, if we

denote by h_m $(\Delta v)_m$ $(\Delta p)_m$ the values which h, Δv, Δp take for the magnitude m the formulæ (3) and (4) may be written

$$(3^b)\ldots\ldots\ldots(\Delta p)_{m+\Delta p} - (\Delta v)_m = \frac{l\,k}{2h_m^2} = 2{\cdot}974\ r_m^2$$

$$(4^b)\ldots\ldots\ldots P_{m+\Delta p} = N_{m+\Delta p}\ e^{\frac{1}{2}\,l\,k\,[(\Delta v)_m + (\Delta p)_{m+\Delta p}]} \; *$$

To see this we have only to consider that, on the new assumption, the expression (6) does not rigorously represent the number of stars photographically m, visually $m + \omega$ to $m + \omega + \delta\omega$, because $\phi(\omega)$ will have another value for the magnitude $m + \omega$ than it has for the magnitude m.

The consequence will be that, instead of (7), we get

$$(7^b)\ldots\ldots\ldots\Delta p = \frac{\int_{-\infty}^{\infty} \omega\, h\, k^{\omega}\, e^{-h^2(\omega-\Delta v)^2}\,\delta\omega}{\int_{-\infty}^{\infty} h\, k^{\omega}\, e^{-h^2(\omega-\Delta v)^2}\,\delta\omega}$$

where h and Δv are functions of ω.

Now, experience shows that the differences "vis. mag.—phot. mag." (for a determined photographic magnitude) deviate from their mean Δp hardly ever as much as $\pm 1^m{\cdot}5$ and even as much as $\pm 1^m{\cdot}0$ in less than 4 per cent. of all the cases, and this number becomes even still considerably smaller if we exclude the brighter stars and take into account the errors of observation.

The value of the integrals entering into (7^b) and (8) will, therefore, be nearly vanishing, and, consequently, it will be nearly indifferent what are the values adopted for the quantities Δv and h, beyond the limits

$$-\ 1^m{\cdot}0 < \omega - \Delta p < +\ 1^m{\cdot}0.$$

On the other hand, these limits are narrow enough to make it permissible to take within them *mean* values for these quantities. Therefore we may without serious error adopt these mean values for the whole range of the integrals. We thus fall back

* Had the magnitudes of our catalogue been found extremely different from the visual magnitudes, that is, had Δv and Δp been found very considerable, then these formulæ would have been decidedly preferable to (3) and (4). As it is, it is nearly indifferent which of the two sets are used. We will, however, use the latter as being formally somewhat more accurate.

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on the formulæ (3) and (4), where it will be best to take for Δv and h the values corresponding to

$$\omega - \Delta p = 0$$

that is, corresponding to the visual magnitude $m - \Delta p$.

Thus (3) ought to be read

$$(\Delta p)_m = (\Delta v)_{m - \Delta p} + \frac{l\,k}{2\,h^2_{m - \Delta p}}$$

from which follows the formula (3^b).

In the same way we get formula (4^b).

The equation (3) or (3^b) demonstrates the truth of our propositions a and b, for, first, it appears that the difference $\Delta p - \Delta v$ is necessarily always *positive*, and second, if, as is the case here, the difference $\Delta p - \Delta v$ is found to increase with the brightness of the stars, it proves that the probable amount of a difference between photographic and visual magnitude increases also ; which is equivalent to saying that the range of colour varies in the same sense as the brightness.

The results of Table 19, which we slightly modified so as to give the values $(\Delta p)_{m + \Delta p} - (\Delta v)_m$ instead of $(\Delta p)_m - (\Delta v)_m$, may even be used to determine the value of r (that is, the probable degree of blueness either for stars of a determined photographic or for stars of a determined visual magnitude) by the aid of formula (3^b). The following table is the outcome of such a determination.

TABLE 20. Values of r.

Vis. Mag.	Schönf.	ZC. and UA.	Thome.	Mean.
	m	m	m	m
9·0—9·4	±0·08	...	±0·22	±0·15
8·5—8·9	0·12	±0·12(½)	0·26	0·18
8·0—8·4	0·20	0·25	0·23	0·23
7·5—7·9	0·27	0·28	0·28	0·28
7·0—7·4	0·33	0·34	0·29	0·32
6·0—6·9	0·46	0·37	0·36	0·40
5·0—5·9	0·39	0·40	...	0·40
4·0—4·9	0·42	0·48	...	0·45

The values here found agree fairly well with those which will be found further on by a more direct method (Table 35).

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12.—Definition of Photographic Magnitude.

To sum up and render more precise the gist of what has been said in the preceding articles :

Disregarding for a moment the small corrections given in Table 10, or, rather, supposing these corrections applied, our scale of magnitude may be asserted to be that of Gould's Z.C. transformed into a photographic scale by the following definition of photographic magnitude.

DEFINITION I.—*Those stars of equal actinic power shall be defined as photographically of the magnitude* m, *of which the visual magnitude is* m *in the mean.*

Stars of a fainter class of magnitude photographically than visually, may be called *red* ; stars photographically of a brighter class *blue.*

If we adopt the hypothesis that the degrees of blueness of the stars of any determined *photographic* magnitude are distributed in accordance with the law of distribution of the accidental errors, then this definition implies that the magnitudes of our catalogue (corrected) are such that the sum of the squares of the differences

photographic magnitude — visual magnitude

is a minimum and the sum of the first powers zero, for the stars of any arbitrary but determined *photographic* magnitude.

On the other hand, the same differences have *not* a minimum sum of squares, and not a sum zero, *i.e.*, show a very decided *systematic* character for the stars of any determined *visual* magnitude.

The cause of this phenomenon has been explained. Divested of mathematical symbols it may be stated as follows :

The relative number of red and blue stars, all of the photographic magnitude m, depends on what will be considered as the photographic magnitude of a star. Suppose we make the numbers equal by choosing a star of a certain mean colour as the standard of photographic magnitude m, from which half of the stars deviate towards the blue, half towards the red (Definition I.).

This premised, consider all the stars *visually* of the magnitude m. It is easy to see that for these the red stars will be considerably in excess of the blue ones. For the red stars, visually of the magnitude m, are photographically of fainter, consequently more numerous classes of which they make up just half the number. In the same way the number of blue stars, visually of the magnitude m, is half that of photographically brighter and, consequently, less numerous classes. Therefore, if we make here the

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residuals "*photographic magnitude—visual magnitude*," or, in other words, if we compute the value of Δv, we must find the *negative* sign strongly preponderating, and as by definition $\Delta p = 0$, we thus find $\Delta p - \Delta v$ necessarily *positive*.*

A definition of the visual magnitudes analogous to Definition I. for the photographic ones, viz.:

DEFINITION II.—*Those stars of equal visual brightness shall be defined as visually of the magnitude* m, *of which the photographic magnitude is* m *in the mean*,

leads, of course, to just the reverse conditions, so that now the differences "vis. mag.—phot. mag." (Δp) will show a decidedly systematic character for any determined *photographic* magnitude; from which it appears that the two definitions are fundamentally different.

The difficulty here encountered is evidently one that cannot be wholly avoided. The blue stars will always preponderate among the stars photographically of a fixed magnitude in a higher degree than among the stars visually of the same class.

Neither of the two Definitions I. and II., however, seems satisfactory, first, because it would seem desirable that the definition of photographic magnitude were *reversible*, that is, taking the photographic magnitude as a basis, the visual magnitudes ought to be definable perfectly in the same way as the photographic ones, taking the visual scale as a basis; and, second, because it would seem better to divide the unavoidable systematic divergences equally over the stars of a determined photographic and those of a determined visual magnitude, than to make them disappear in the one case but double in amount in the other.

The following most simple definition fulfils both conditions without on that account losing the advantage that the photographic magnitudes may be most easily determined in practice in accordance with it.

DEFINITION III.—*Those stars of equal actinic power shall be defined as photographically of the magnitude* m, *of which the total number is equal to that of the same class visually*.

It is easily seen from (4^b) that our catalogue shall be made to satisfy this condition if to the photographic magnitude m we apply the correction

$$(9) \ldots\ldots\ldots\ldots \mu = \tfrac{1}{2}\left[(\Delta v)_m + (\Delta p)_m + \Delta p\right]$$

or, what is equivalent to this according to (3^b), the correction

$$(10) \ldots\ldots\ldots\ldots (\Delta v)_m + \frac{l\,k}{4\,h_m^2}$$

* This demonstration is more general than that of the preceding article in that it does not depend on the form of the function ϕ (ω).

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For

$$(\Delta v)_m = -m + \text{ vis. mag. corresponding to phot. mag. } m.$$

Thus, applying the correction (9) to the phot. mag. m, the value of $(\Delta v)_m$ which after this correction we will denote by $(\Delta' v)_m$ changes into

$$(11) \ldots\ldots\ldots\ldots \quad (\Delta' v)_m = -\frac{l\,k}{2\,h_m^2}$$

consequently by (3^b)

$$(12) \ldots\ldots\ldots \quad (\Delta' p)_{m + \Delta p} = +\frac{l\,k}{2\,h_m^2}$$

Therefore, according to (4^b)

$$P_{m + \Delta p} = N_{m + \Delta p}$$

which, as it will be fulfilled by all values of m, may be written as well.

$$(13) \ldots\ldots\ldots\ldots\ldots\ldots \quad P_m = N_m \qquad Q.E.D.$$

That the unavoidable systematical divergences will now be equally distributed over the stars of determined visual magnitude and those of determined photographic magnitude, appears at once from the equations (11) and (12)

The definition, therefore, seems to leave very little to be desired. By its adoption the additional advantage is secured that the final corrections $\frac{1}{2}(\Delta v + \Delta p)$ will give also the best approximation we can get for the faintest stars. For, as has been pointed out before (beginning of Art. 10), the values of Δp for these stars must be too small, those of Δv too great, so that the mean of the two will be to a great extent free from this source of error. For all these reasons I think Definition III. the best that can be given in the present state of science, at least as long as we base the photographic scale on the visual one.

In conclusion it may be noticed—

That the function expressing the law of the distribution of the differences "photographic mag.—visual mag." becomes, by the adoption of the final definition—

(a) for stars visually of a fixed magnitude

$$\phi(\omega) = \frac{h}{\sqrt{\pi}} e^{-h^2\left[\omega + \frac{l\,k}{2\,h^2}\right]^2}$$

(b) for those photographically of a fixed magnitude

$$\psi(\omega) = \frac{h}{\sqrt{\pi}} e^{-h^2\left[\omega - \frac{l\,k}{2\,h^2}\right]^2}$$

from which it follows at once that for the class of stars (a) the number of differences towards the *red* will be as numerous as the differences towards the *blue* for the class (b), and *vice versâ*. Of course, the *red* stars will be somewhat in *excess* for the class (a), consequently as much in *defect* for class (b).

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13.—Definitive Corrections to be applied to the Magnitudes of the Catalogue.

Nothing now remains but to collect the results for the value

$$\mu = \tfrac{1}{2}\,[\,(\Delta v)_m + (\Delta p)_m + \Delta p]$$

which will be the corrections to be applied to our magnitudes in order to transform them into the photographic magnitudes truly corresponding with the scales of visual magnitudes of the SD., the ZC. and Thome's Dm., according to Definition III.

From the tables 8 and 14, 10 and 16, 11 and 18, I get

TABLE 21.

Phot. mag.	SD.-phot. μ
9·5—9·9	m — 0·10
9·0—9·4	— 0·04
8·5—8·9	+ 0·05
8·0—8·4	+ 0·01
7·5—7·9	— 0·10
7·0—7·4	— 0·21
6·0—6·9	— 0·38
5·0—5·9	— 0·40
4·0—4·9	— 0·40

TABLE 22.

Phot. mag. ZC.-phot. and US.-phot. μ		
	δ = 19°·0—24°·0.	24°·0—38°·0,
9·0—9·4	+ 0·14	+ 0·03
8·5—8·9	+ 0·13	0·00
8·0—8·4	+ 0·16	— 0·03
7·5—7·9	— 0·03	— 0·17
7·0—7·4	— 0·12	— 0·25
6·0—6·9	— 0·32	— 0·34
5·0—5·9	— 0·64	— 0·33
4·0—4·9		— 0·33

In the case of the ZC. the change of the correction with the galactic latitude is insensible. In the case of Schönfeld it is so small that for all practical purpose it may be neglected. Besides it is readily determined from the tables 7 and 13.

TABLE 23. Thome-phot.

Mean values of μ.

Phot. mag.	Belt 21½	Belt 26½	Belt 31½
9·0—9·4	m —0·05	m —0·13	m —0·31
8·5—8·9	+0·04	—0·14	—0·27
8·0—8·4	+0·02	—0·19	—0·29
7·5—7·9	—0·08	—0·28	—0·40
7·0—7·5	—0·11	—0·39	—0·40
6·0—6·9	—0·15	—0·29	—0·37

In the case of Thome, however, a decided change with the galactic latitude is evident for the fainter stars. For these the corrections may be taken from the following table :—

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TABLE 24. Thome-phot. μ.

Galactic β	Belt 21½	Belt 26½	Belt 31½		
	$9^m.0$—$9^m.4$	$9^m.0$—$9^m.4$	$9^m.0$—$9^m.4$	$8^m.5$—$8^m.9$	$8^m.0$—$8^m.4$
−75°	−0·15	−0·29	−0·62	−0·54	−0·43
−51	−0·05	−0·27	−0·47	−0·38	−0·36
±30	−0·05	−0·11	−0·31	−0·30	−0·23
±15	−0·03	+0·01	−0·16	−0·13	−0·22
± 4	+0·07	0·00	−0·05	−0·02	−0·27

I am fully aware of the fact that even after the application of the corrections given above, the system of photographic magnitudes of our catalogue cannot be regarded otherwise than as a first approximation to a really irreproachable system. What is really obtained is the photographic scale truly corresponding for all parts of the sky and for all magnitudes, at least from $6^m.0$ or $6^m.5$ to $9^m.5$, with the visual scale of the SD., Thome's Dm. or ZC., and this being the case our photographic magnitudes may claim, as I believe, equal value with those of the other works of its kind.

But it is evident that all the defects of these visual scales will be reproduced in the photographic one.

These defects are probably for all visual estimates in a lesser or higher degree, *first*, want of uniformity for the whole sky; *second*, what I would call *irrationality*, *i.e.*, the light ratio of two consecutive magnitudes is not absolutely the same throughout the scale.

As soon as one wishes to clear the magnitudes of these defects the connexion between the photographic and visual scale must cease. For even if the visual scale were absolutely uniform for all parts of the sky, it would not follow that the photographic scale, which is made to depend upon it, would be uniform also. If the stars in certain regions of Heavens are bluer than elsewhere (and, as has been shown in Art. 7, there is good reason for such an assumption) then it will not be so.

In the same way, even if the visual scale were absolutely rational, it would not follow that the photographic scale would be rational also. If the fainter stars are systematically of a redder or a bluer hue, it will not be so, or at least the light ratio will be different.

Now, first, as to uniformity. There seems little doubt but that photography offers far better conditions here than visual observations. The measures recommended in order to secure such uniformity for the great international undertaking of the chart

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of Heavens, will, if duly attended to, doubtlessly result in a system of magnitudes that will leave very little to be desired on this head. They need not here be repeated.

Such measures are, however, beyond the plan of the present work. Still there seems to be reason to think that the derivation of corrections, for every individual plate, which will make the scale of our Dm. uniform throughout, will prove feasible, and a plan tending to that end has been worked out. Its execution, however, is better deferred till the whole catalogue is more nearly complete, and I hope to be able to give the results with the last volume.

Uniformity once obtained will pave the way for obtaining *rationality*, because it will reduce the labour to be expended thereon to the observation of a restricted number of stars. As far as I know, no wholly irreproachable method has as yet been applied to the solution of the problem involved. It seems, however, reasonable to hope that, by the efforts of the astronomers in a position to make experiments in the required direction, photographic photometry will not be long in taking at least equal rank with visual photometry.

14.—Probable Error of the Right Ascensions.

A change of the p.e. of the Right Ascensions with the Declination need not be considered, for a computation of this error for the belts of plates $40\frac{1}{2}$ to $55\frac{1}{2}$ gave practically the same value as that found for the observations of the present volume. The p.e. for the zones near the edges of the plates was also found equal, or rather, even a trifle smaller than that resulting from a discussion of the central zones. These facts show, as indeed was to be expected, that the accuracy of the Right Ascensions depends mainly on that of the readings of the microscope. It is only necessary, therefore, to consider separately the observations of the three observers R., N., K., who made these readings for the present volume.

From the comparison of the mean results of *two* observations, with the corresponding mean Right Ascensions of Gould's and Argelander's zones, the following results were found by the sum of the squares of the errors :—

Obs.	P.E.	Number of Stars.	Number N. of errors ≧ 1 sec.	N. in Percentages.	Theoretical Percentage.
	s				
R.	± 0·301	578	20	3·5	3·3
N.	0·335	596	24	4·0	5·6
K.	0·276	281	5	1·8	2·0

These numbers must be slightly diminished for the p.e.'s of the positions compared, which were rounded off at $0^s{\cdot}1$. Schönfeld takes $0^s{\cdot}12$ for this p.e. With us it is

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probably somewhat smaller in the mean, and $0^s{\cdot}09$ may be adopted instead. Further, every star has been observed in the mean 2·4 times, so the probable errors found are still to be multiplied by 0·913. As the additional observations are relative to the stars near the limits of the zones (the overlapping portions) *i.e.*, relative to the stars of which the reduction is necessarily the least perfect, the gain in accuracy must be even somewhat more considerable than that implied by this factor. Disregarding this consideration and adding the results found at once from the definitive positions for the repeated plates (corresponding to plates 28, 35–39, 46, 61, 97, 100, 175), I get

TABLE 25. P.E. of the Right Ascensions.

Obs.	P.E.	Number of Stars.	Weight.
R.	s ± 0·262	578	10
N.	0·295	596	4
K.	0·238	281	2
Rep. pl. N.R.	0·302	108	1
Mean ...	± 0·269	1563	

The weights used in taking the mean are approximately proportional to the number of observations contributed by each of the observers. The numbers for all these observers, and especially that for the observer who contributed the greatest part, differ so little from the mean of all, that we may confidently take for the whole of the present volume

$$\text{P.E. of a Right Ascension} = \pm 0^s{\cdot}269$$

corresponding to $3''{\cdot}5$ in arc of the great circle.

It should be remarked that after all the observations had been completed, the readings of the hour circle for great part of the repeated plates (plates 28, 35–39, 46, 61) were found to have been very badly made. For this reason a third observation has been made, which was combined with equal weight with the mean of the two first observations. As appears from Table 25, the result has been that the p.e. of the Right Ascensions for these plates is now but slightly greater than that for the other plates.

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15.—Probable Error of the Declinations.

This p.e. was deduced by a comparison of our definitive Declinations with those of Gould's General Catalogue. The letters S., V., K. denote the observers at the ocular.

TABLE 26. P.E. of the Declinations.

Obs.	—	P.E.	Number of Stars.	Weight.
S.K.	Central zones	′ ± 0·0456	150	29
„	Marginal „	0·0478	100	29
V.K.	Central „	0·0445	225	71
„	Marginal „	0·0458	195	71
	Mean	± 0·0455	670	

This number reduces to ±0′·0435 or 2″·6 if we adopt the value of 0″·8 as the p.e. of the positions compared, which were rounded off at 0′·01. The weights are taken in accordance with the number of observations contributed by the two pairs of observers.

Among the 670 residuals were found

Errors > 0′·20,	number found	0,	theoretical number			1·6
= 0·20	„	„	1	„	„	0·9
0·19	„	„	4	„	„	1·3
0·18	„	„	0	„	„	2·5
0·17	„	„	5	„	„	3·9
0·16	„	„	3	„	„	4·4
0·15	„	„	7	„	„	6·1

The fact that the number of relatively large errors is here found, as well as for the Right Ascensions, rather smaller than might have been expected, is to be explained by our habit, referred to in Art. 5, of revising all the stars for which the two observations showed somewhat unusually large differences.

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The p.e.'s here found compare as follows with those found in other works of its kind :—

Authority.		P.E. in α	P.E. in δ
	$^\circ$ $^\circ$	s	$''$
BD.	$-$ 2 to $+$ 38	$\pm$ 0·70	$\pm$ 25·4
SD.	$-$ 2 „ $-$ 23	0·38	9·6
Cord. Dm.	$-$ 22 „ $-$ 32	0·42	13·8
CPD.	$-$ 19 „ $-$ 38	0·27 (3$''$·5)	2·6
Lalande (1880)	$+$ 1 „ $+$ 5	0·224 (3$''$·35)	2·4

Photography has thus permitted a considerable advance in accuracy, especially in the Declinations. In fact, the accuracy of our positions approaches that of the older Zone observations. *At the present moment* the position of a star can be taken as accurately, or nearly so, from our Durchmusterung as from Lalande's Catalogue, even if we exclude all the cases where proper motion seems probable. This appears from the last pair of numbers given, which represent the p.e. of a position of a Lalande star between $\delta = +1^\circ$ and $\delta = +5^\circ$ as reduced to 1880. It was derived from 120 Lalande stars, reduced by von Astens' tables, compared by Boss with his own observations (Cat. der Astr. Gesellsch. 14 Stück, pp. 172–184). From every hour of Right Ascension the five first stars not marked with an asterisk (sensible proper motion) or with any letter, served for the computation. The residuals were first corrected for the systematic differences $+0^s{\cdot}15$ and $-2''{\cdot}5$ of the two catalogues, and the resulting p.e. were diminished by the p.e. of Boss. Uncorrected for systematic error the p.e. of Lalande would even have slightly exceeded those of our Dm.

Wherever observation shows divergences from our catalogue of say 2^s or $0'{\cdot}3$, there is an overwhelming probability of error or of proper motion.

16.—Probable Error (r) of the Magnitudes excluding the Systematic Errors of the Individual Plates.

This p.e. was computed in two different ways :

I. By comparing the estimates of the diameters made in the two observations of the same plate. From these resulted the values in the following table, where the letters S.K. and V.K. denote as before the pairs of observers at the ocular :—.

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TABLE 27. P.E. of Mean of two Observations. r.

Limits of Diam.	Mean Diam.	Observers, S.K.	Number of Stars.	Observers, V.K.	Number of Stars.
′	′	′		′	
Diam. ≦ 0·2	0·07	± 0·0147	300	± 0·0112	330
0·2 < „ ≦ 0·5	0·34	0·0221	220	0·0187	280
0·5 < „ ≦ 1·0	0·7	0·0312	120	0·0299	140
1·0 < „ ≦ 2·0	1·4	0·0572	45	0·0543	108

These values transformed into magnitudes by means of the tables of reduction* give

TABLE 28. P.E. of Photographic Magnitude. r.

Diam.	Mag.	S.K.	V.K.	Mean.	Weight.
′	m	m	m	m	
0·07	(9·5)	± 0·088	± 0·067	± 0·073	270
0·34	(8·1)	0·095	0·079	0·084	38
0·7	(6·8)	0·093	0·093	0·093	4½
1·4	(5·2)	0·101	0·098	0·099	1
Mean		± 0·089	± 0·069	± 0·075	

In taking the means of the values for S.K. and V.K., weights were given proportional to the number of observations contributed by each pair of observers (29 : 71) ; the weights used in the computation of the general mean are set down in the last column ; they are roughly proportional to the total number of stars of the corresponding diameter.

The difficulty which the observer S. found in making consistent estimates of the fainter magnitudes, alluded to in Art. 5, and repeatedly noticed during the observations, shows itself clearly in these numbers. In some few cases the divergences of S.'s estimates from those of myself were such that the former had to be rejected.

* The magnitudes corresponding with determinate diameters vary considerably, especially with galactic latitude. *See* Art. 7. The p.e. ought therefore properly not to be taken out with the argument *magnitude*, but with the argument *diameter*. For most purposes however the magnitudes given in brackets in the 2nd column, which *in the mean* correspond with the diameters given in the first, may be used as such.

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It appears that notwithstanding this, *and as far as can be judged from the agreement inter se*, the magnitudes are highly trustworthy for the whole of the observations and throughout the scale, the p.e. never exceeding $0^{m}\cdot 1$ even for stars as bright as $6^{m}\cdot 0$ or even $5^{m}\cdot 0$.

II. By comparing the diameter of the same star on two contiguous plates. *Fourteen* pairs of plates measured by the observers V.K. and having large overlapping zones in common, were compared for the purpose. Only stars with diameters $\leqq 0'\cdot 2$ were found in sufficient number to give trustworthy results. Stars on the extreme borders were not used. Before the p.e. were computed the *systematic* differences of the plates under consideration were carefully determined and applied. This having been done, the value

$$\pm\ 0'\cdot 0159$$

was found for the p.e. of the difference of two diameters, each the mean of two estimates.

The p.e. of a diameter depending on two estimates is thus found to be

$$\pm\ 0'\cdot 0113 \quad (434 \text{ stars})$$

which agrees most remarkably with the value found for the same observers and the same diameter in the case of observations on the same plate. It must be conceded that so close an agreement is to be considered as somewhat accidental; still it proves conclusively that the *accidental* imperfections of the plates, which enter into the last number and not in those of Table 27, must be very small indeed, even at the margin of the plates, which doubtlessly is generally their least perfect part.

17.—Probable Error (r') of the Magnitudes, including the Systematic Errors of the Individual Plates.

Of 35 pairs of overlapping plates, including a great number belonging to the belts of plates $40\frac{1}{2}$–$50\frac{1}{2}$ (the reduction of which was performed in exactly the same way as those of the present volume) the definitive magnitudes were compared. The sum of the squares of the differences was then computed separately for the stars 9·5–9·9; 9·0–9·4, &c.; from these the p.e. of the differences, and by division by $\sqrt{2}$, the p.e. of the magnitudes themselves were derived.

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The following are the values found :—

TABLE 29.

Mag.	r′	Number of Stars.
	m	
9·5—9·9	± 0·126	167
9·0—9·4	0·114	133
8·5—8·9	0·111	44
8·0—8·4	0·093	17
7·0—7·9	0·124	11
Mean ...	± 0·114	

By comparison of this table with Table 28, the probable amount (ρ) of the systematic errors of the individual plates can be computed ; there results—

TABLE 30.

Mag.	ρ
	m
9·5—9·9	± 0·10
9·0—9·4	0·08⁵
8·5—8·9	0·08
8·0—8·4	0·04
7·0—7·9	0·09

The smallness of these values is very gratifying. It must be attributed to the reliability of Gould's estimates of magnitude, and the large number of stars on which the formulæ of reduction for the photographic magnitudes were based. Perhaps they are slightly too small owing to the fact that they were mainly derived from very rich plates, for which the data for the determination of the constants of these formulæ are particularly abundant. For stars brighter than 7·0 sufficient data were not available, but, of course, the value of ρ will rapidly increase for these.

18.—Probable Amount of a Difference in Magnitude Schönf.-Phot. (R_s.) and Thome-Phot. (R_t.).*

The probable amount of the differences here discussed must be so understood that the deviations of the visual magnitudes corresponding to a fixed photographic

* As the aim of the present investigation is merely to obtain a trustworthy determination of the *real* differences of photographic and visual magnitudes, cleared of mere errors of observation, we have not re-considered the differences ZC.-phot. as the accidental error of the magnitudes of ZC. are presumably much greater than those of Schönfeld and Thome.

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magnitude *m* (*m* being taken successively between 9·5 and 9·9, 9·0 and 9·4) from their arithmetical mean were first cleared of systematic elements and then treated as accidental errors of which the p.e. was sought in the usual way. I have first only considered systematic differences depending on galactic latitude. A great number of stars were compared, evenly distributed, in the case of Thome over the whole of the Zones −22° and −31°, in the case of Schönfeld over the whole of Zone 21°. The former were corrected by Table 11, the latter by subtracting the two-hourly means from the individual differences. This having been done, the following values were obtained:—

	Schönfeld.	Thome.		
Mag.	Zone —21°	Zone —22°	Zone —31°	Mean.
	m	m	m	m
9·5—9·9	± 0·19	± 0·15	± 0·19	± 0·17
9·0—9·4	0·17	0·18	0·24	0·21
8·5—8·9	0·19	0·24	0·27	0·26
8·0—8·4	0·26	0·27	0·31	0·29
7·0—7·9	0·32	0·33	0·28	0·30

These must still be cleared of the systematic errors of the individual plates by means of Table 30, which having been applied I get, writing three decimals in order to keep the second more accurate—

TABLE 31.

Mag.	R_s.	Number of Stars.	R_t.	Number of Stars.
m m	m		m	
9·5—9·9	± 0·162	206	± 0·137	389
9·0—9·4	0·153	211	0·192	390
8·5—8·9	0·172	211	0·247	382
8·0—8·4	0·257	193	0·287	359
7·0—7·9	0·307	153	0·286	360

Another determination of the same quantities was obtained by comparing the photographic and visual magnitudes for the whole area of a number of individual plates and eliminating carefully the systematic divergences. For Schönfeld a good determination was thus obtained from 12 plates equally distributed over the 24 hours of Right Ascension. For the stars 6·0—6·9 not 12 but nearly the whole of those plates were used on which at least *five* stars of this magnitude were to be found. For Thome only five plates were used, of which the two richest got only half weight; even so the

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richer regions (for which the p.e. of Thome's magnitudes are very sensibly greater) preponderate somewhat too much. This new determination gave—

TABLE 32.

Mag.	R_s.	Number of Stars.	R_t.	Number of Stars.
9·5—9·9	$\pm$ 0^m·182	158	$\pm$ 0^m·142	163
9·0—9·4	0·169	225	0·213	180
8·5—8·9	0·175	236	0·260	173
8·0—8·4	0·243	157	0·284	125
7·0—7·9	0·317	170	0·298	90
6·0—6·9	0·395	118	...	...

agreeing particularly well with Table 31.

Adopting the mean of the two determinations, giving half weight to the latter of R_t, we get finally—

Table 33.

Mag.	R_s.	R_t.
9·5—9·9	$\pm$ 0^m·172	$\pm$ 0^m·139
9·0—9·4	0·161	0·199
8·5—8·9	0·174	0·251
8·0—8·4	0·250	0·286
7·0—7·9	0·312	0·290
6·0—6·9	0·395	...

The values of R_t proceed very regularly; those of R_s show a singularly abrupt change of character near $8^m\cdot5$.

19.—Probable Value of the Degree of Blueness of Stars of Different Magnitude.

The values of R_s and R_t, just now determined, are composed of three quantities—

1. The p.e. r_s or r_t of a magnitude of Schönfeld or Thome.
2. The p.e. τ of a magnitude of the Phot. Dm.
3. The probable amount r of the degree of blueness.

The second is known by Table 28. A greater difficulty seems at first sight to be presented by the first.

Schönfeld gives the value of the p.e. of his magnitudes at p. [45] of the introduction to the SD., but he draws attention to the fact that these p.e., which

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have been derived from a comparison of his own estimates *inter se*, are smaller than those found by a comparison with other authorities even after all systematic differences have been carefully taken into account, and he expresses the opinion that probably the difference is to be explained by some or other kind of personality.

As to Thome, no valuation of the p.e. is given in the Introduction of the first part of the Cordoba Dm.

Notwithstanding these circumstances a good estimate of the error r, here sought, can be obtained without serious trouble. For we have evidently—

$$(14)\ldots\ldots\ldots\ldots R_s^2 = r_s^2 + r^2 + r^2 \quad \text{and } R_t^2 = r_t^2 + r^2 + r^2$$

from which

$$(15)\ldots\ldots\ldots\ldots 2\,r^2 = R_s^2 + R_t^2 - 2\,r^2 - (r_s^2 + r_t^2)$$

so that only the determination of the quantity $r_s^2 + r_t^2$ is required ; but this being the probable amount of a difference between the magnitudes assigned to the same stars respectively by Schönfeld and by Thome, is readily obtainable by a comparison of the stars in zone $-22°$ observed by both.

I have, therefore, computed this p.e., taking care to use stars equally distributed over the whole zone. This comparison showed in accordance with what was found in Art. 8 that systematic differences depending on the galactic latitude are altogether insensible or so small that they might as well have been neglected. For the magnitudes 7·0—7·9, however, a very small correction of the kind was taken into account. In the following table the p.e. found are given in the second column, the number of stars from which they were computed in the third ; the fourth contains the numbers of the second divided by $\sqrt{2}$, so that, if we assume the precision of Thome's observations equal to that of Schönfeld, they represent the p.e. of both observers *inclusive* of personal error. In the last is given the p.e. of Schönfeld *exclusive* of personal error, according to p. [45] of the Introduction to the SD.

TABLE 34.

Mag.	P.E. Schönfeld—Thome.	Number of Stars.	$\frac{1}{\sqrt{2}}$ P.E.	P.E. Schönfeld.	$r_s = r_t$ adopted.
	m		m	m	m
9·5—9·9	± 0·111	120	± 0·078	± 0·06	± 0·08
9·0—9·4	0·126	120	0·089	0·07	0·08
8·5—8·9	0·146	120	0·103	0·10	0·10
8·0—8·4	0·183	115	0·129	0·12	0·12
7·0—7·9	0·172	161	0·122	0·15	0·135
6·0—6·9	0·255	62	0·180	0·21	...

The numbers of the fourth and fifth columns differ so little, the fifth one of the former being even smaller than the corresponding number of Schönfeld, that it becomes

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evident that the influence of personal error of the kind alluded to by Schönfeld, must be all but insensible for both observers. It seems, therefore, hardly necessary to confine ourselves to the derivation of a *mean* value of the quantity r, by the use of equation (15). We may expect to obtain fairly good values for both the observers *separately* by taking in the formulæ (14), r_s and r_t both equal to the intermediate values set down in the last column. For the magnitudes 6·0—6·9 of Schönfeld I take the value 0·21 determined by this astronomer by a comparison with the UA. The results so found are as follows, the mean being taken in accordance with formula (15) :—

TABLE 35. r.

Mag.	Schönfeld.	Thome.	Mean
	m	m	m
9·5—9·9	± 0·13	± 0·09	± 0·11
9·0—9·4	0·12	0·17	0·15
8·5—8·9	0·12	0·22	0·18
8·0—8·4	0·20	0·25	0·23
7·0—7·9	0·27	0·24	0·255
6·0—6·9	0·32	...	...

These values agree fairly well, not only in the mean, but also for the separate observers, with those formerly found (Table 20), considering the fundamentally different way in which they were obtained.

The more worthy of notice is the difference in the final values for r in the case of the two observers. It seems in conclusion as if the variation of the value of r depended on some personal cause rather than on, or together with, a real variation in the range of colour of the stars, so that we would have to look for some physiological cause of the phenomenon. Such a cause really exists. It is to be found in what to physiologists is known as the phenomenon of Purkinje.*

According to this investigator, if a blue and a red source of light appear to be equally bright, they will appear no longer so if the intensity of both is reduced in the same proportion; the blue one will be the brighter of the two, and the difference will be greater the more the intensity is reduced.

* Conf. *Purkinje.* Zur Physiologie der Sinne, Bd. II., p. 109.
Helmholtz. Physiol. Optik, 2d Aufl., p. 429.
Zöllner. Grundzüye einer allg. Photom. des Himmels, p. 36.
The same phenomenon has been recently discussed by Abney. *Monthly Notices*, vol. 52, p. 426.

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It follows from this that for faint sources of light the sensitivity of the eye approaches nearer to that of the plates, which, too, are more sensitive to the more refrangible rays.

This being so, the difference between visual and photographic magnitude must be smaller the fainter the stars considered, which is exactly what we find to be the case.

The varying difference depends evidently not on the absolute brightness of the stars, but on the brightness as it appears to the observer, so that observations at different telescopes and those made with the naked eye, are not to be compared without special precautions. It is for this reason that we did not give in Table 35 the value of r for Thome's stars 6·0—6·9, for which the magnitudes are borrowed from the UA.

According to several investigators it depends too on the illumination of the background. It seems highly probable that the red illumination used by Schönfeld will have contributed to elimination, or a lower estimate of brightness of the fainter red stars, so that for this observer even a closer agreement between the visual and photographic magnitude of these stars might be expected than for Thome. The values in Tables 35 and 20 confirm this expectation for the stars 8·0—9·4, but seem to contradict it for those 9·5—9·9, for which the value derived from Thome's observations is particularly small.

We will not, however, enter into further discussion, which would require a somewhat different arrangement of the data, as for instance, a separate treatment of the values which, in Tables 19 and 20, depend partly or wholly on the UA. It may suffice for the present to have called the attention to a phenomenon which may not be without its importance in several astronomical researches (distribution of stars, photometric investigations, observations of red variable stars, perhaps even achromasy of telescopes to be used for the observations of faint objects, &c.), and which, with due precaution, may be taken advantage of for the determinations of photographic magnitudes.

20.—References to other Catalogues.

The most essential difference between the arrangement of the present catalogue and that of other works of its kind consists in the number of catalogues referred to. It has been my aim to give in these references—

1. The value of the visual magnitude, in order that its relation to the photographic magnitude might be seen at a glance;
2. A condensed history of the observations made on every individual star of the catalogue.

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Practical considerations required the maximum number of references to be fixed at five (*) ; and even thus, although the several authorities, with the exception of Gould's Zone Catalogue and Schönfeld's Dm. were referred to by a single letter, the number of columns on every page had to be reduced from five (the number of columns in BD.) to four.

As the execution of such a plan was not originally contemplated, but was arrived at by slow degrees during the time spent on the work of reduction, this part of the work has not only cost an undue amount of labour, but at the same time some imperfections (rarely it is believed of practical importance however) have crept into it, which otherwise might have been avoided. Care was taken, however, to check all the references by a second examination, so that I hope that the number of errors will be insignificant.

For the first part of the programme all the stars contained in Gould's Zone Catalogue were referred to, not by a letter, but by the mean of the magnitudes observed by Gould. For the Declinations $-19^{\circ}\cdot0$ to $-23^{\circ}\cdot0$, not contained in the Zone Catalogue, the magnitude of Schönfeld's SD. were quoted; these latter have been placed at the right hand side of the column of references, whereas the former are given at the left hand side. No mistake between the two authorities need therefore be feared.

As just these two catalogues have served as standards for the conversion of our diameters into magnitudes, and as the systematic differences for stars of any determined *photographic* magnitude, are therefore small (*vide* Art. 9), the divergencies of our magnitudes from the visual ones give at once a fair idea about the degree of blueness of the stars. The choice of the Zone Catalogue as a standard of comparison was made, of course, on account of its being by far the richest catalogue giving independent estimates of magnitude for nearly the *whole* of the region covered by our Durchmusterung, and thus offering the best guarantee for getting at least a respectable degree of homogeneity for our work.

A more difficult problem was to be considered for the second part of the programme, and it seems to me that a solution, which in every individual case may be deemed the best one, is simply impossible, or would at least require the sacrifice of all uniformity.

What I have tried to do, is, to give such authorities as will enable the astronomer to ascertain at a glance whether observations of precision of a star are extant or not, and if so, with what degree of precision, roughly, the position can be brought forward

* In passing the manuscript through the press it appeared possible in many cases to extend this number to six. Advantage has been taken of this circumstance in some cases, especially for the Zones -19° to -22°, where five references to catalogues of *precision* (where available) have been given, in addition to a reference to Schönfeld's Dm. In a few cases, however, this has necessitated the use of a smaller type.

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to a more modern epoch. For this purpose the epochs as well as the reliability of the different catalogues have to be considered, the most modern and the oldest being, *ceteris paribus*, of more importance than those of an intermediate date.

The following catalogues have been definitively extracted, nearly in the order in which they are here given :—

GOULD'S ZONE CATALOGUE (1884) referred to by the mean of the magnitudes at the left hand side of the column of references. *Italics* indicate the fact that the catalogue contains *two* stars, which have produced but a single image on the plates. In these cases the magnitude given corresponds to the *combined* light of the two stars. The computation has been made using 0·4 as the logarithm of the ratio of light between two consecutive magnitudes. *References complete.*

G, *G*, **G**. GOULD'S ARGENTINE GENERAL CATALOGUE (1886). *G* refers to the cluster catalogues at the end of the work. These cluster catalogues include the observations in the main catalogue. **G** is used in those cases where in the catalogue a reference is given to Brisbane's Paramatta Catalogue, not given in Stone's Catalogue, so that this letter implies the presence of the star both in Gould's General Catalogue and in the Paramatta Catalogue. *References complete.*

S, **S**. STONE'S CATALOGUE OF 12441 STARS FOR THE EPOCH 1880 (1881). The letter **S** is used in those cases where Stone gives references to catalogues of an epoch before 1850, *not* given in our catalogue, viz., to one or more of the five following :—

Brisbane,
Fallows,
Johnson,
Henderson,
Cape 1840.

References complete.

W. WASHINGTON CATALOGUE (Yarnall), 3rd edition (1889). *Referred to in those cases only where the star is either not in* G *or not in* S.

K. KAM'S CATALOGUE OF STARS FROM THE ASTR. NACHR., VOLS. 67–112. This work has not yet appeared, but was kindly extracted for the present purpose by the Author. *Referred to where none or but one of the preceding authorities occurs.*

M. ZWEITES MÜNCHENER STERNVERZEICHNISS (1891) (Neue Ann. der K. Sternw. in Bogenhausen, Bd. II). *Referred to where less than three of the former authorities occur.*

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C. PORTER'S CINCINNATI ZONE CATALOGUE OF 4050 STARS BETWEEN $-18° 50'$ AND $-22° 20'$ (1887). This catalogue, which came to hand only at the last moment, was *referred to in those cases where, after all other authorities had been quoted, the total number of references did not exceed four.*

β. AUWERS' BRADLEY (1888). *References complete.*

μ. AUWERS' MAYER (1894). *References complete.*

π. PIAZZI'S CATALOGUE OF 1814.

λ. LACAILLE'S CATALOGUE OF 398 PRINCIPAL STARS. The reduction of Baily was used. Vol. V. of the Mem. Roy. Astr. Soc. (1833).

l. LALANDE'S CATALOGUE by F. Baily (1847).

t. TAYLOR'S MADRAS GENERAL CATALOGUE (1844).

r. RÜMKER'S PRELIMINARY CATALOGUE OF SOUTHERN STARS (1832).

c. CAPE CATALOGUE FOR 1850 (1884).

g. GILLISS' CATALOGUE OF 1963 STARS (1870).

b. BONN. MERID. OBSERVATIONS (Bonn. Béob. VI., 1867).

a. ARGELANDER'S SÜDLICHE ZONEN, von. E. Weiss (1890). *Reference omitted where* b *occurs.*

WASHINGTON ZONES (Wash. Observ. for 1869, App. II.; 1870, App. IV.; 1871, App. I.) Referred to by −, =, ≡, ≥, ≻, ⪰, according to the number of observations. *Reference omitted where the star is in* a.

m. ERSTES MÜNCHENER STERNVERZEICHNISS (Lamont's Observations. Neue Ann. der K. Sternw. in Bogenhausen, Bd. I., 1890).

p. BRISBANE'S PARAMATTA CATALOGUE (1835). *Referred to in the very rare occasions in which the stars could be identified without a reference being given either in Stone or in Gould's General Catalogue.*

k. KAM'S CATALOGUE OF STARS FROM THE ASTR. NACHR., VOLS. 1–66 (1885.) *Where the observation is made after the epoch* 1850, *the reference was only given in the same cases as those to* K.

SCHÖNFELD'S BONNER STERNVERZEICHNISS, 4° SECTION (1886). *Referred to by the magnitudes at the right-hand side of the column of references.*

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All the catalogues from π *to* k *were referred to, giving precedence to the several catalogues in the order here given.*

In connexion with this list the following remarks may be made :—

1. Capital letters refer generally to modern observations ; small letters to observations from 1800—1850, including Lalande ; Greek letters to observations before that time, including Piazzi however. Unavoidable exceptions to this rule need not be pointed out.

2. Lacaille's Catalogue of 9766 stars has not been referred to because the positions, at least in the form in which they are available at present, are too rough to be of much importance for the determination of proper motion.

3. Some excellent modern catalogues (later than 1850) have been wholly neglected, as for instance the Melbourne catalogues and the Cape catalogue for 1860. As a choice was clearly unavoidable we have, of course, been obliged to take the richest catalogues. Where a star is to be found in the Melbourne catalogues or in Cape 1860, it is pretty sure to occur too in two or three other excellent catalogues included in our list.

4. For the brighter stars, especially those north of $-23°$, which have been frequently observed at a great number of northern observatories, another choice of authorities would doubtlessly have been preferable. It did not seem advisable, however, to introduce a new set of references for these stars only. For the faint stars, the zone worst provided with modern observations is that of $-22°$ (or rather the zone between the parallels of $-22° 20'$ and $-23° 0'$) just beyond the northern limit of Gould's Zone catalogue, and just beyond the southern limit of the Cincinnati catalogue.

5. As references to incomplete observations might be misleading to the astronomer consulting the Dm., these have been systematically left out. It is for this reason that, for instance, references to the catalogue of Gilliss from observations between 1838 and 1848, which contains only observed right ascensions, have not been given. The only exceptions to the rule have been made, first, in favour of Auwers' Bradley, because in this case the co-ordinate not observed together with the proper motions have been carefully determined from other sources ; secondly, in favour of ZC. and G., where incomplete observations are extremely rare.

6. For the Washington Zones not only the stars occurring in Argelander's Zones, but also *all manifestly erroneous positions*, which are exceedingly numerous, were

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omitted.* Now that we may expect a speedy publication of a catalogue of these zones, it seemed labour thrown away to try to correct all errors. A complete list of the errors found has however been drawn up.

7. The order of precedence of the catalogue is not, even in our opinion and for the purpose in view, the best that could have been determined on, and if our plan had been quite fixed upon from the beginning, we would certainly have followed a somewhat different course ; thus for instance, the recent careful revisal of Lamont's Zones seems to demand a reversal of the order of precedence of the Washington and Münich Zone Catalogues. As, however, for the brighter stars both these authorities are mostly of slight importance as compared with the other authorities quoted, and as for the fainter stars both authorities are generally quoted, the advantage to be gained seemed too slight to call for a re-arrangement of the work. To take another instance : according to what precedes **a** has been *always* omitted where the star is in **b**, and Washington Zones have been *always* omitted where the star is in **b**. It would have been better to omit the reference *only* in those cases where the great number of other references required the omission of some of the less important ones.

8. As has been already observed, references to Schönfeld's Dm. have been given, for the zones $-18°$ to $-22°$, by the magnitude of this work. The small number of Schönfeld's stars, of which the Southern Declination for 1875 exceeds 23°, have not been referred to. Some difficulty was met in those cases where two stars occur on the plates and but a single one in the SD. Where the stars are very near and where it is very probable that the two stars have been seen as a single one by Schönfeld, we have placed his magnitude opposite the two corresponding stars in our catalogue, and connected them by a bracket.† But it is not easy to determine where the limit in such cases is to be drawn. Thus, to take a single example, in our Dm. occur the two stars—

	h	m	s		°	′
9·0	8	21	6·2	−	22	40·9
8·8			7·2			40·5

Schönfeld gives only (reduced to 1875)—

	h	m	s		°	′
9·0	8	21	7·2	−	22	41·1

The distance is nearly half a minute and the stars must have been easily separable in Schönfeld's telescope ; still it seems more probable in our opinion that Schönfeld has estimated the combined light, than that he has left out a star of the magnitude 9·0.

* This plan has been strictly adhered to for errors as large as 3″ and 1′. Errors considerably below these limits have not been taken into account. Where more than one position of a remote epoch is extant, the correction may be mostly made easily enough. Where not, it is difficult or impossible to decide whether error or proper motion has been the cause of the discrepancy.

† In the very few cases where other stars of intermediate right ascension prevented this mode of notation, Schönfeld's magnitude, included in brackets, has been placed alongside of each of the two components.

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It should not be forgotten in such cases, that our positions may be in error for 0′·1 or 0′·2, and that, consequently, the stars may in reality be much nearer to each other than is implied by the observed right ascensions and declinations. Where the difference in magnitude is considerable we have taken the brighter one to represent Schönfeld's star.

9. The order in which the references have been finally arranged in the catalogue deviates from that given above, and is roughly that of the epochs of the observations. The following list, which may be found convenient for use with our system of references, is arranged in this order and gives the epoch of the catalogue, together with the epoch of the observations on which it rests :—

Cat.	Epoch of Cat.	Epoch of the Observations.
ZC.	1875	1872—1875 (with 5 repeated zones in 1877)
G	1875	1872—1880 (clusters and a small number of observations for catalogue to 1884)
S	1880	1871—1879
M	1880	1884—1889
C	1885	1885—1887
W	1860	1845—1877
K	1875	1866—1885*
k	1855	1821—1866*
b	1850	1850—1867†
a	1850	1849—1852
Wash. Z.	1850	1846—1849
m	1880	1847†
c	1850	1849—1852
g	1850	1850—1852
t	1835	1830—1843
r	1827	1826—1829 (perhaps some 1822—23‡)
p	1825	1822—1826
l	1800	1790—1801
π	1800	1792—1813
μ	1755	1756—1760
β	1755	1750—1762
λ	1750	1751—1752†
SD.	1855	1876—1881 (with 16 repeated zones to 1884)

* At least these are the years of the volumes of the Ast. Nachr., in which the observations have been printed.
† These epochs are relative, not to the catalogue as a whole, but to the positions within the limits of our Dm.
‡ *Vide* Stone's Catalogue. Introduction, p. 29.

21.—Missing Stars and Errors in the Catalogues Compared.

It has been from the first our intention to draw up lists of errors of the catalogues compared. The comparison of the positions has not been made, however, everywhere with the same degree of precision. ZC., G., S., a, have been accurately

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compared, and divergences of 2^s and $0'\cdot4$, or more, for stars not in other catalogues, were noted for revisal on the plates. In most of the other catalogues errors of $1'$ in declination and more than 2^s in right ascension can hardly have escaped us. Only in the comparison of the Münich Zones errors up to $2'$ in declination may have passed unnoticed. The revisals on the plates have resulted in the detection of three errors in our catalogue; in the other cases the error found was confirmed and these were all referred to in their proper places and in the lists of errors. The same was done in all other cases where the error was manifest, or could be made out by referring to the original observations (as far as accessible to me), or by the assumption of a single error, which seemed particularly probable (*e.g.*, the assumption of an error in the wire at which the star was observed, or an error of an exact interval of the declination circle, &c.).

These lists of errors have not been definitively finished as yet, and will be given in another volume.

Two other lists were drawn up for the missing stars. In the first list were entered all stars contained in the catalogues of precision compared and not contained in our Durchmusterung. This list will, doubtless, contain many stars of which the position is in some way erroneous, and where, in reality, no star exists in the sky in the assigned position. Besides these, however, it will contain a number of red and very red stars, and very probably some as yet unknown variables. A considerable number of these stars seem, therefore, to deserve particular attention, and it is for that reason that we thought fit to publish it *in extenso*.

In a great many cases the real existence of the star may be proved by its occurring in other catalogues. It is for this purpose that in the sixth column references have been given to other catalogues (which lay no claim to completeness), and in the seventh and eighth columns to the Durchmusterung of Schönfeld and that of Thome (both to Part I. and to Part II.). Where the position of the star falls within the limits of one of the two latter works, but is not contained in them, the fact is noticed by a dash in the corresponding column. In these cases the real existence of the star (if not a variable) seems very doubtful indeed. The other columns do not call for any explanation. In the column of remarks the words "*certainly missing*" imply that the star has been looked for on the plates and its absence established. The revision on the plates has been made for all stars occurring in the Dm. of Schönfeld or Thome, and estimated brighter than $9^{m}\cdot5$ by any of the other authorities, and for a great number of fainter ones besides.

The second list contains all the stars of the SD. $9^{m}\cdot0$ or brighter, within the limits of our Dm. and missing on the plates. The total number of these is eight, all

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of which were carefully sought for on the plates. They are all certainly missing, with the exception, perhaps, of No. 3, of which an extremely faint trace was found, which was too uncertain, however, to allow of its admission in our catalogue.

Stars evidently merged on the plates into neighbouring brighter ones have not been admitted in these lists.

I.—List of Stars contained in the Catalogues of Precision and Missing on the Plates.

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′						
1	0 3 22	25 13·3	ZC. 94	9·5			—	Marked with ? in ZC.
2	7 6	19 8·1	a 52	9·5	b	9·3		Missing in four sweeps on two pairs of plates. Looked for on plates 21½ 0h 0m, where at best extremely faint and uncertain traces of a star can be detected.
3	11 28	20 50·6	G. 199	10¼		9·5		Looked for on plates. At best extremely faint and uncertain traces of a star can be found.
4	25 44	29 27·3	ZC. 677	9½			—	Marked with ? in ZC.
5	30 17	27 30·5	ZC. 799	10				Thome has a star (9·5) 30m 17s·0, 32′·0; in the original observations of our Dm. a single observation occurs of a star (9·9) 30m 19s·2 32′·1. Does Thome's position refer to the star of ZC. or to that of the plates?
6	43 51	28 22·7	ZC. 1151	10			9·3	Certainly missing.
7	1 22 4	33 10·5	ZC. 564	9½			—	Missing in four sweeps on plates 31½ 1h 12m and 31½ 1h 36m. Certainly missing on plates 35½ 1h 15m 47s. 10s in error in R.A.?
8	36 41	20 20·2	K.	11½		10		
9	42 26	19 43·2	K.	12		—		
10	43 32	26 38·1	ZC. 1124	10			9·6	
11	43 42	20 16·0	K.	9		9·3		Certainly missing.
12	44 57	19 14·9	K.	11½		—		
13	45 17	19 21·2	K.	10		9·7		Certainly missing.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′						
14	1 45 18	19 20·4	K	10½		9·7		Certainly missing.
15	57 46	28 51·8	ZC. 1544	10			—	Missing in four sweeps. Marked with ? in ZC.
16	2 2 28	31 32·4	ZC. 71	10			—	Marked with ? in ZC.
17	4 6	24 59·9	ZC. 116	9½			—	Certainly missing. Marked with ? in ZC.
18	4 26	32 1·3	G. 2179	10½			9·6	Missing in four sweeps.
19	22 2	32 7·7	G. 2550	10¼	ZC.		9·7	
20	23 51	25 40·1	b 2^{h}·38	7·5			—	Identical with G. 2592?
21	31 53	27 31·3	ZC. 858	9			—	
22	38 23	28 26·4	ZC. 1057	10			9·7	
23	48 24	26 57·7	ZC. 1325	9			—	Certainly missing. Marked with ? in ZC.
24	57 52	27 13·5	G. 3302	9¼			9·3	Certainly missing.
25	3 3 46	32 40·3	ZC. 113	10			—	Marked with ? in ZC.
26	9 44	30 41·9	ZC. 299	10			—	Marked with ? in ZC. It seems not improbable that the declination is 30′ in error and that the star is identical with CPD. — 31°, 378.
27	13 5	36 49·5	ZC. 400	10			—	Marked with ? in ZC.
28	24 22	28 50·0	ZC. 721	9			9·2	Certainly missing.
29	31 18	24 15·6	G. 3968	10			9·4	Certainly missing.
30	31 38	24 15·7	G. 3976	9¼			9·9	Certainly missing.
31	34 32	25 47·3	ZC. 1037	9			—	Certainly missing. Marked with ? in ZC.
32	49 35	26 23·1	ZC. 1515	9½			—	Marked with ? in ZC.
33	51 43	27 5·6	ZC. 1582	10			—	Marked with ? in ZC.
34	4 0 52	23 34·7	a 2319	9	{ Wash. Z. O. Stone }		9·3	Certainly missing. In Dm. of O. Stone 9·4.
35	5 22 27	32 32·0	ZC. 806	9½			—	In the original Zones δ = 42′·0. In both positions the star is certainly missing on two pairs of plates. There is a single observation of a very faint star at δ = 52′·3 and a much brighter star at δ = 62′·3.

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I.—List of Stars contained in the Catalogues of Precision and Missing on the Plates—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
36	5 40 21	25 48·1	ZC. 1510	10			—	Marked with ? in Z.C.
37	41 19	26 43·6	b 5^{h}·89	7½			—	
38	6 3 36	30 51·0	ZC. 155	10			—	Marked with ? in Z.C.
39	12 12	31 36·0	ZC. 552	9			—	Marked with ? in Z.C.
40	18 40	27 0·1	G. 7765	8	ZC., a		8·6	Certainly missing. The star is *orange yellow* according to G. and *coloured* according to Thome.
41	31 32	34 52·1	g. 307	7·5			—	Certainly missing on plates 35½ 6^{h} 18^{m} 57^{s}
42	37 50	31 28·2	ZC. 1791	9			9·0	Looked for on three plates. At best very uncertain traces on one or two of these.
43	40 3	36 53·8	ZC. 1923	10			—	
44	41 50	29 7·1	ZC. 2029	9·2			9·3	Certainly missing.
45	45 53	31 18·9	G. 8534	9½			9·4	Looked for on plates. At best a very faint and uncertain trace on one of them. In Thome's Dm. reference GC. omitted.
46	47 3	26 17·6	ZC. 2345	9			—	
47	53 36	37 35·1	ZC. 2740	10			9·6	
48	7 1 57	34 49·5	ZC. 136	10			—	Certainly missing. Marked with ? in ZC.
49	7 22	32 33·2	ZC. 507	10			9·7	On check plate perhaps a faint trace. On measuring plate certainly missing.
50	20 12	29 15·3	G. 9512	10½			9·8	Certainly missing.
51	34 20	26 31·1	t 3166	7			—	Identical with t 3157 ?
52	36 32	21 31·5	l 15047	7½		—		The star has been several times looked for in vain at Bonn. *Vide* Bonn Beob. VII., p. 203.
53	39 1	23 32·8	ZC. 2812	9½				In Messier 93. Certainly missing on plates. The declination is probably 2′ in error and the star identical with CPD. —23°, 2735. Thome has δ = 32′·5, which agrees very well with ZC., but our declination 34′·6 is certainly correct.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
54	7 40 2	37 25·3	t 3221	8½			—	Certainly missing. It seems not improbable that the α is in error and the star identical with G. 10059.
55	51 6	22 31·5	G. 10434	9		—	—	Certainly missing.
56	52 42	24 55 –	ZC. 3933	10			10	In α Thome's position differs 5s·6 from ZC.
57	56 45	27 23·6	G. 10612	10			10	
58	57 1	30 52·5	G. 10623	9			9·6	Looked for on plates. At best very faint and uncertain traces of a star can be detected.
59	57 5	34 8·3	ZC. 4342	9			10 ?	Certainly missing in this position. Identical with the star 2s·5 preceding ?
60	8 4 30	35 55·1	ZC. 345	8½			9·3	Certainly missing.
61	6 11	20 50·4	a 6587	9		9·4		Certainly missing.
62	13 55	24 16·6	ZC. 1151	10			9·6	
63	23 45	29 54·0	W. 3500	8·9			—	The identification with Mural Zones 103,21 given in W. is erroneous, this star being the same as W. 3510.
64	23 54	30 22·1	ZC. 2002	9½			9·5	Star is visible on check plate (mag. 10·1), invisible on measuring plate, or at least much fainter than 10·1. Variable ?
65	26 48	28 10·7	ZC. 2246	9¾			9·9	Certainly missing.
66	30 10	30 28·3	b 8h·84	8·0			—	
67	35 7	30 7·5	ZC. 2907	10			9·6	
68	40 14	27 44·8	G. 11860	9¼	a		7·3	Var. = R Pyxidis. Certainly missing.
69	59 35	24 35·5	ZC. 4821	9			8·5	Certainly missing.
70	9 4 6	32 47·0	ZC. 349	9½			—	Certainly missing in this position. δ probably 4′ in error. Thome, too, seems to assume this error.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′						
71	9 9 5	23 20·8	ZC. 706	10			—	In the original zones $\delta = 0'.8$. In both positions, however, there is no star, neither on the plates (two pairs) nor in Thome's Dm. If the catalogue position is correct, the star ought to occur in Orm. Stone's Dm.; if the zone position is so, in Schönfeld's Dm. In neither of these, however, the star is to be found.
72	27 59	31 41·0	ZC. 2260	10			9·5	
73	10 7 57	28 48·8	ZC. 588	10			—	Missing in four sweeps. Marked with ? in ZC.
74	11 1	30 44·0	ZC. 820	9½			9·3	Looked for on plates. At best, most uncertain traces of a star.
75	20 16	30 3·3	ZC. 1490	9½			—	Certainly missing. Marked with ? in ZC.
76	27 51	26 10·2	ZC. 2026	9½			—	Certainly missing.
77	45 33	20 35·2	G. 14842	8	Cal	6·7		= V Hydræ. Certainly missing on two pairs of plates. The star is extremely red.
78	56 6	28 9·0	ZC. 4059	10			—	Marked with ? in ZC.
79	58 52	24 32·2	ZC. 4271	10			10	Marked with ? in ZC.
80	11 22 5	30 3·6	ZC. 1543	9			10	Missing in two sweeps on plates 31¼, $11^h 12^m$. Certainly missing on plates 31¼, $11^h 36^m$. Marked with ? in ZC.
81	22 25	23 10·0	M. 3893	7·0	Not in Orm. Stone		—	Certainly missing.
82	28 1	24 57·7	ZC. 1961	9½			—	Missing in four sweeps. Marked with ? in ZC.
83	33 19	28 59·7	ZC. 2342	9½			9·7	Missing in six sweeps on two pairs of plates. The identity with our star (9·0) $33^m 18^s.7$ —29° 0′·9 might have been thought probable if *both* stars did not occur in Thome's Dm.
84	33 26	24 25·6	ZC. 2350	9			—	Marked with ? in ZC.

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I.—List of Stars contained in the Catalogues of Precision and Missing on the Plates—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
85	11 37 19	33 9·8	ZC. 2602	10			—	Marked with ? in ZC.
86	40 52	24 57·7	ZC. 2835	9½			—	Missing in four sweeps. Marked with ? in ZC.
87	12 0 33	24 11·1	ZC. 38	9			—	Identical with Z.C. 11ʰ 4088 ?
88	2 58	29 8·3	ZC. 190	9·5			9·7	Looked for on plates. On one of them perhaps the uncertain trace of a star.
89	5 5	33 1·3	ZC. 316	10			—	In the original zone $\delta = 2'{\cdot}3$. Whichever be the correct δ, the star is certainly missing.
90	14 4	32 53·7	ZC. 873	9½			9·4	Certainly missing.
91	21 3	25 5·5	G. 16973	10			9·8	
92	31 8	21 37·2	1 23597	8		—		The star was several times looked for in vain at Bonn. *Vide* Bonn Beob. VII., p. 201.
93	38 47	31 51·7	ZC. 2313	10			—	Marked with ? in ZC.
94	53 51	21 40·6	G. 17700	10		10		Certainly missing at least on one of the two plates.
95	54 7	19 46·7	a 10288	9½		9·7		Certainly missing.
96	54 18	29 30·2	ZC. 3223	9½			9·6	
97	55 42	19 22·3	a 10302	9½		9·8		Certainly missing.
98	13 8 59	26 10·9	ZC. 553	9½			—	Marked with ? in ZC.
99	22 53	22 38·1	G. 18361	var.	kbctl	var.	8·4	= R Hydræ. Certainly missing.
100	24 49	19 30·6	G. 18402	11		10		
101	36 33	27 4·6	ZC. 2208	9½			—	Marked with ? in ZC.
102	38 46	28 14·5	ZC. 2354	9½			—	Missing in four sweeps on two pairs of plates. Marked with ? in ZC.
103	41 2	36 14·2	ZC. 2483	9	G		9·0	Certainly missing on plates 35½, 13ʰ 53ᵐ 41ˢ; on plates 35½, 13ʰ 28ᵐ 25ˢ, at best, very faint traces.
104	14 4 22	28 17·6	G. 19229	8¾	a		10	Certainly missing. In Thome's list of suspected variables.

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I.—List of Stars contained in the Catalogues of Precision and Missing on the Plates—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
105	14 10 56	30 12·9	ZC. 696	10			9·4	Certainly missing on plates 31½, 14^h 24^m.
106	11 30	20 16·1	K	10½		10		
107	13 26	20 21·3	K	11		10		
108	16 38	30 13·9	ZC. 1067	10			9·5	Certainly missing.
109	18 4	29 1·1	ZC. 1154	9½			9·4	Missing in six sweeps on two pairs of plates. Looked for on plates 31½, 14^h 24^m, where perhaps an uncertain trace may exist.
110	23 17	31 51·3	ZC. 1476	10			9·8	Certainly missing. Marked with ? in ZC.
111	44 10	36 6·6	ZC. 2808	8½			—	ZC. has two stars differing 2^s·5 in α. On the plates there is certainly only one star, the diam. of which is 16″.
112	50 7	35 19·8	ZC. 3173	9½			—	Marked with ? in ZC. If a correction of + 10′ is applied to the declination, the position becomes identical with that of a very faint star observed *once* on the plates, and therefore rejected.
113	58 23	28 44·5	ZC. 3726	10			9·3	Missing in two sweeps on plates 31½, 15^h 12^m. Certainly missing on plates 26½, 15^h 0^m.
114	15 1 21	34 43·8	ZC. 91	9			9·0	Looked for on the plates. At best a very uncertain trace could be suspected.
115	10 47	35 18·5	ZC. 739	9			9·9 ?	Certainly missing. Marked with ? in ZC. It is uncertain whether Thome's star is identical with that of ZC. or with an object at 15^h 10^m 49^s — 35° 19′·8 only once observed on the plates, and therefore rejected.
116	12 56	27 50·8	ZC. 878	9½			9·3	At best faint traces. In ZC. two obs.
117	20 53	29 39·0	a 11907	9			—	"In this position no star in the sky," Weiss, *Vide* footnote to No. 11907 of his Cat. of Arg. Zones.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′						
118	15 23 27	26 25·1	ZC. 1607	9½			—	Certainly missing. Marked with ? in ZC.
119	27 27	36 17·7	ZC. 1880	9½			—	Certainly missing. Marked with ? in ZC.
120	28 47	26 18·9	ZC. 1979	10			—	Certainly missing. Marked with ? in ZC.
121	31 37	26 53·8	ZC. 2173	9½			9·2	Missing in two sweeps on plates 26½, 15ʰ 45ᵐ 0ˢ. Looked for on plates 26½, 15ʰ 22ᵐ 30ˢ, where, at best, the extremely faint trace of a star could be suspected.
122	34 46	20 46·6	a 12079	9		var.		= U Libræ. Certainly missing.
123	44 42	36 50·3	ZC. 3148	10			—	Certainly missing. Marked with ? in ZC.
124	44 56	37 7·0	ZC. 3164	9½			9·9	Certainly missing. Marked with ? in ZC.
125	44 57	34 10·5	ZC. 3166	9			9·2	Certainly missing.
126	45 22	35 55·3	G. 21504	var.	ZC. (9)		8·9	= R Lupi. Certainly missing on plates 35½, 15ʰ 34ᵐ, and on plates 35½, 16ʰ 0ᵐ. Marked with ? in ZC.
127	46 27	36 24·5	ZC. 3256	9½			9·4	Certainly missing on plates 35½, 16ʰ 0ᵐ 0ˢ; on plates 35½, 15ʰ 34ᵐ 44ˢ at best very uncertain traces.
128	47 14	24 57·1	t 7386	6			—	Identical with t 7376 ?
129	48 43	34 3·5	ZC. 3418	9			—	ZC. has two stars at a distance of about 20″. On the plates there is only one star with no trace of duplicity though the diam. is only 14″.
130	50 25	36 4·7	ZC. 3539	9½			9·6	Certainly missing.
131	50 31	26 0·2	ZC. 3548	9½			—	Missing in four sweeps. Marked with ? in ZC.
132	52 56	29 33·9	ZC. 3719	9½			9·5	Certainly missing.
133	53 21	34 30·1	ZC. 3740	9½			9·5	Certainly missing.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′						
134	15 53 49	26 42·9	ZC. 3774	9½			—	Missing in two sweeps on plates 26½, 15ʰ 45ᵐ 0ˢ. Certainly missing on plates 26½, 16ʰ 7ᵐ 30ˢ. Marked with ? in ZC.
135	55 42	30 23·2	ZC. 3905	9½			10	Certainly missing. Marked with ? in ZC.
136	57 8	23 45·2	ZC. 4006	8½			9·3	Looked for on four different plates. Only on one of these an extremely faint speck was found which might possibly be the first trace of the image of a star.
137	59 46	34 5·9	ZC. 4181	9½			9·7	At best the faintest trace of a star on the plates.
138	16 1 16	20 27·8	K	9		—		Declination 2′·5 in error?
139	10 51	33 3·0	ZC. 778	9½			9·4	Missing in two sweeps on plates 31½, 16ʰ 0ᵐ and in two sweeps on plates 31½, 16ʰ 24ᵐ; certainly missing on plates 35½, 16ʰ 0ᵐ. In ZC. *two* observations.
140	10 52	25 45·8	ZC. 782	9½			9·4	Certainly missing.
141	10 53	36 49·5	ZC. 784	10			—	Marked with ? in ZC.
142	12 22	23 47·2	ZC. 875	9½	Orm. Stone		9·5	Certainly missing. Orm. Stone makes the mag. 9·1.
143	13 13	34 41·1	ZC. 940	9½			—	Certainly missing on plates 35½, 16ʰ 0ᵐ. Marked with ? in ZC.
144	15 56	26 13·5	G. 22201	7½	S. Lac.		Cum.	Cum.=Messier, 4 =Dreyer GC. No. 6121. On plates 26½, 16ʰ 30ᵐ 0ˢ extremely faint traces of nebula may be suspected. On the plates 26½, 16ʰ 7ᵐ 30ˢ not even such traces can be found.
145	16 26	26 1·8	ZC. 1149	9½			—	Certainly missing on two pairs of plates. Marked with ? in ZC.
146	17 2	34 33·9	ZC. 1196	9½			9·6	Certainly missing.
147	17 35	34 55·6	ZC. 1236	10			—	Certainly missing. Marked with ? in ZC.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Durchmusterung. Th.	REMARKS.
	h m s	° ′		•				
148	16 18 39	35 12·0	ZC. 1313	10			10	Certainly missing.
149	28 39	30 58·5	ZC. 1980	9			8·9	Certainly missing.
150	32 36	32 7·9	ZC. 2278	8½	g (9)		7·5	Certainly missing on plates 31½, $16^h 48^m$. In G. and ZC. *red.* Variable ?
151	35 12	32 28·0	ZC. 2450	10			9·0	Certainly missing.
152	35 40	34 56·9	ZC. 2492	10			—	Certainly missing. Marked with ? in ZC.
153	43 53	27 24·3	G. 22779	10½			9·7	
154	44 0	23 15·7	ZC. 3097	10			—	In the original zones $a = 43^m 47^s$. In neither of the two positions a star occurs in CPD., in Thome's Dm. nor in O. Stone's Dm.
155	44 11	34 29·4	ZC. 3114	9½			—	Certainly missing. Marked with ? in ZC.
156	51 47	33 13·7	ZC. 3703	10			—	Certainly missing on plates 35½, $16^h 50^m 32^s$.
157	52 45	34 4·9	ZC. 3763	10			—	Certainly missing. Marked with ? in ZC.
158	54 49	34 39·9	ZC. 3912	10			—	Certainly missing. Marked with ? in ZC.
159	56 6	27 1·8	ZC. 4005	10			9·8	Missing in four sweeps.
160	57 13	28 49·4	ZC. 4086	10			9·2	Missing in six sweeps on three pairs of plates. Looked for on plates 31½, $16^h 48^m$ where only traces of a star image could be suspected.
161	17 0 0	29 6·3	ZC. 1	10			9·6	
162	0 5	34 59·9	ZC. 7	9½			—	In this position certainly missing on two pairs of plates. There is a star (10·0) $a = 17^h 0^m 9^s{\cdot}2$, $\delta = -35° 0'{\cdot}0$, which occurs also in Thome ; if there is no error in ZC., however, the two stars cannot be identical.
163	2 29	35 50·6	ZC. 169	9½			9·2	Missing in a single sweep on plates 35½, $17^h 15^m 47^s$. Certainly missing on plates 35½, $16^h 50^m 32^s$.
164	15 25	34 50·3	ZC. 1052	9½			—	Marked with ? in ZC.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
165	17 20 28	25 59·3	ZC. 1380	10			9·9	Missing in four sweeps.
166	22 21	19 22·2	G. 23701	7·5	Cwa	7·8		Certainly missing. In G. *red.*, in SD. *roth.*
167	23 11	24 8·4	ZC. 1568	10			—	Marked with ? in ZC. In the original zones δ = 23° 44′·4. Near to this position is a star, which however differs still too much in position and mag. to make the identity probable.
168	31 45	32 13·6	*G*	9½			—	Certainly missing. In G.'s cluster Cat. of Messier 6 (No. 15). *G* has but one obs.
169	33 34	34 57·1	ZC. 2293	9½			—	Certainly missing.
170	35 4	28 10·0	ZC. 2401	10			9·8	
171	40 41	34 59·7	*G*	9½			—	Certainly missing. In Cum. Messier 7 (No. 21). *G* has but one obs.
172	43 33	26 40·6	K	10·7			10	
173	44 52	22 50·9	ZC. 3039	9½		9·4	9·4	Certainly missing.
174	46 50	23 12·5	ZC. 3170	9	O. Stone (9·0)		9·6	Certainly missing.
175	46 52	34 15·7	*G*	7½			—	Certainly missing. In Cum. Mess. 7 (No. 115). *G* has but one obs.
176	48 4	28 0·4	ZC. 3255	10			—	Certainly missing.
177	49 36	24 7·4	G. 24365	9¼	ZC. (9)		9·5	Certainly missing.
178	58 35	28 30·7	G. 24612	10¼			9·9	Certainly missing.
179	18 2 55	23 14·5	ZC. 201	9½			—	Not in Orm. Stone's Dm. The star is marked with ? in ZC.
180	14 44	26 56·7	ZC. 949	9½			10	
181	28 50	24 1·1	G. 25390	10			9·9	Missing in six sweeps on two pairs of plates.
182	45 22	23 54·7	b 18h 132	9·0			—	Missing in four sweeps. Not in Orm. Stone's Dm.
183	19 2 12	24 47·6	ZC. 97	10			—	Thome evidently assumes a correction of 10′ in δ. In the CPD., however, the decl. of Thome's star is 24° 58′·2, so that a correction of 10′·6 would be required, which seems improbable.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*continued.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
184	19 6 36	19 4·3	a 15155	9		9·7		Looked for on plates. At best, a faint trace on check plate only.
185	9 21	19 31·5	G. 26402	var.	Cab	var.		= R Sagittarii. Certainly missing on plates 21½, 19^h 20^m.
186	25 26	20 46·8	l 36910	8		—		Certainly missing. The star was several times looked for in vain at Bonn, and is also missing in the Markree Cat. *Vide* Bonn Beob. VII., p. 197.
187	26 51	27 23·5	a 15499	9½			—	The star was several times looked for in vain at Vienna, and Prof. Weiss suspects the identity with a 15498. *Vide* his cat., p. 419, footnote.
188	32 8	31 14·8	G. 26912	neb.	S		neb.	= Messier 55 = Dreyer's GC. 6809. No trace of nebulosity can be detected on the plates.
189	34 43	26 18·7	ZC. 1476	7½			9·8	Perhaps a faint speck on one of the two plates. Mag. in error in ZC?
190	36 23	31 7·2	ZC. 1555	10			9·5	At best very faint and uncertain traces of a star.
191	39 22	26 51·1	ZC. 1667	7½			—	Missing in two sweeps on plates 26½, 19^h 52^m 30^s. Certainly missing on plates 26½, 19^h 30^m 0^s. Marked with ? in ZC.
192	51 35	28 5·9	ZC. 2123	9½			—	Marked with ? in ZC.
193	56 57	23 31·3	K	11			9·8	
194	20 8 16	32 57·6	G. 27732	10			9·6	Certainly missing.
195	20 20	18 59·5	K	10½		10		
196	25 16	22 6·7	M. 10412	9½		—	9·7	
197	34 14	29 35·9	ZC. 1134	9½			—	Marked with ? in ZC.
198	38 39	35 36·9	W. 9265	10			—	In Wash. Cat. but one observation.
199	58 3	27 51·7	ZC. 1839	10			—	Marked with ? in ZC.
200	21 2 13	19 50·3	G. 29007	10	Cape 1860	9·8		= Cape 1860, No. 1012.

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I.—LIST OF STARS CONTAINED IN THE CATALOGUES OF PRECISION AND MISSING ON THE PLATES—*concluded.*

No.	α 1875.	δ 1875.	Catalogue No.	Mag.	Other Catalogues.	Durchmusterung. Sch.	Th.	REMARKS.
	h m s	° ′						
201	21 9 50	24 33·1	K	...			9·5	Missing in four sweeps on two pairs of plates.
202	10 11	19 25·1	C. 3572	9·2		9·0		Certainly missing.
203	17 16	22 16·9	K	9·6		9·6	9·5	
204	19 19	30 23·4	a 16813	9			9·5	Certainly missing on four plates 31½, 21^h 12^m. The star was several times looked for in vain at Vienna (*Vide* Cat. Arg. Weiss, page 500). Still, however, the star is certainly in Thome's Dm. Variable ?
205	29 46	19 26·3	K	...		—		
206	43 6	27 10·5	G. 29862	9¾			9·5	In Thome's Dm., reference GC. omitted.
207	51 57	32 8·7	ZC. 1630	9			—	Certainly missing.
208	55 4	29 44·9	G. 30132	10¼			9·7	
209	56 36	28 39·2	a 17177	8½			9·1	= S Pisc. Austr. Certainly missing.
210	22 10 53	30 13·6	ZC. 342	9			8·5	= R Pisc. Austr. Certainly missing.
211	12 30	25 25·7	k 4468	...			—	
212	42 37	20 56·0	a 17613	9		—		Prof. Weiss thinks that the star is to be identified with a 17611.
213	49 56	29 7·7	ZC. 1485	9			9·3	On one of the plates an extremely faint speck. On the other certainly missing.
214	50 24	21 0·5	G. 31207	var.	Wbl	var.		= S Aquarii. Certainly missing.
215	50 33	21 5·2	G. 31209	9	b	9·7		On check plate an extremely faint speck. On measuring plate certainly missing.
216	23 10 24	22 13·0	K	9·7		9·7	9·6	
217	49 54	32 6·8	ZC. 1351	9½			—	Marked with ? in ZC. Possibly the position is in error 1^m and 1°, so that the correct position would be 50^m 53^s·6 — 33° 6′ 8. In this position a single observation was made on the plates.
218	56 14	20 8·3	a 18231	9	C	9·2		Certainly missing.

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II.—LIST OF STARS IN SD., $9^{m}\cdot0$ OR BRIGHTER, MISSING ON THE PLATES.*

No.	No. in SD.	Mag.	α 1875.	δ 1875.	References and Remarks.
	°	m	h m s	° ′	
1	— 19 603	9·0	3 0 19	— 19 40·5	
2	— 22 995	8·7	4 59 31	22 4·6	In Thome's Dm. 8·9.
3	— 22 1108	9·0	5 21 16	22 37·5	In Thome's Dm. 9·3.
4	— 20 3283	6·7	10 45 33	20 35·2	GCal = No. 77 of List I. = V Hydræ.
5	— 19 4644	7·8	17 22 21	19 22·2	GCWa = No. 166 of List I. *Red.*
6	— 20 5153	9·0	18 21 24	20 14·5	
7	— 19 6063	9·0	21 10 11	19 25·1	C = No. 202 of List I.
8	— 22 6041	8·9	22 52 46	22 32·4	In Thome's Dm. 9·2.

In the first list 96 stars† of the whole number of 218, or 44 per cent., are also missing in the Durchmusterung of Schönfeld and Thome, and these are therefore nearly certainly erroneous, unknown variables or (in the case of some stars of K) extremely faint stars. There remain 122 catalogue stars really missing in this volume. Of these there are—

9 certainly variable according to Chandler's 2nd Catalogue (Nos. 68, 77, 99, 122, 126, 185, 209, 210, 214),

4 suspected variable (Nos. 64, 104, 150, 204),

2 more known to be red or coloured (Nos. 40, 166),

2 nebulæ or clusters (Nos. 144, 188),

so that 105 remain, which are missing, for unknown reasons, on a whole of catalogue stars that probably exceeds 23,000. Not one in 200 of the stars of all degrees of magnitude in the catalogues of precision is therefore missing in this volume of the CPD.

The second list gives 8, or leaving out the well-known red or variable ones, 6 stars $9^{m}\cdot0$ or brighter really missing on the plates on a whole number of 6600‡, or not *one* in a thousand.

* There may be some more missing in the *catalogue* for, by a mistake not at first noticed, the stars 9·0 observed *once* only on the plates, and which therefore are lost for the catalogue, have not been noted down as missing. In the meanwhile it is certain that these belong to the very faintest stars on the plates, which have no pretension at completeness.

† Assuming that No. 5 is missing in Thome, No. 59 occurring in Thome, and that No. 53 is erroneous.

‡ According to the *Neue Ann. der. K. Sternw. in Bogenhausen* Bd. II. the exact number of stars between the declinations −19° 0′ and −23° 0′ (for 1855) is 6620.

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If it is considered how strongly the least noticeable trace of colour of a star affects the intensity of the image on the plate, it will be granted that this number is unexpectedly small, and so we are lead here for the third time to the conclusion that the uniformity of colour for the fainter stars is apparently much greater than that for the brighter stars. To bring this out somewhat more forcibly I have counted, somewhat roughly, for the stars 6·1—7·0 of Gould's Uranometria Argentina, between the parallels of $\delta = -23^\circ 0'$ and $\delta = -38^\circ 0'$, the number of cases in which the degree of redness, *i.e.*, the difference *phot. mag.—vis. mag.* corrected for Δv exceeds $0^m \cdot 45$, $0^m \cdot 55$, $0^m \cdot 65$. The correction Δv could be taken from Table 18 because Thome's magnitudes of stars brighter than 7·0 are borrowed from this source. These numbers were then converted into fractions of the whole number (about 1100) of these stars. The result is as follows :—

STARS IN UA. 6·1—7·0.

Degree of redness.	Fraction of the whole Number.
$0^m \cdot 45$ or more	0·17
0·55 „ „	0·12
0·65 „ „	0·085
0·75 „ „	0·051
0·85 „ „	0·037
0·95 „ „	0·021
1·05 „ „	0·011
1·15 „ „	0·0073
1·25 „ „	0·0055
1·35 „ „	0·0045
1·45 „ „	0·0036

Now let us consider the half of our plates which is most deficient in stars, and let us suppose, which certainly is an extreme assumption, that even for this half they stop only at stars of mag. 9·7, being wholly complete up to that limit.

Half the number of the stars of Schönfeld between $-19^\circ 0'$ and $-22^\circ 0'$ may be set down with considerable approximation at—

800	stars	of	mag.	9·0
260	,,	,,	,,	8·9
370	,,	,,	,,	8·8
230	,,	,,	,,	8·7
140	,,	,,	,,	8·6
Total 1800	(according to Seeliger 1810).			

If now the range of colour were as great for the fainter stars as it is for the stars 6·1—7·0, then according to our assumption all the $9^m \cdot 0$ with a degree of redness exceeding $0^m \cdot 7$ must be missing on the plates here considered ; in the same way all

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the $8^{m}\cdot9$ with a degree of redness exceeding $0^{m}\cdot8$, &c. - - - - We might thus expect the following numbers of missing stars, opposite which we note the numbers really found:—

—	Number of Missing Stars.	
	Expected.	Found.
$9^{m}\cdot0$	41	4
8·9	10	1
8·8	8	0
8·7	2	1
8·6	1	0
Total ...	62	6

I think that in reality the difference must be still more considerable. The conclusion is evident. If, however, it is objected that the data for this reasoning are too untrustworthy, we may give another, to which this objection can hardly reasonably be urged,—

Schönfeld has tried to make his catalogue complete down to stars of the mag. 9·2 or 9·3 (introduction to SD., p. [12]). It contains, however, an enormous number of fainter stars down to mag. 10·0. For obvious reasons these fainter stars are less completely observed in the Milky Way than elsewhere, and it may at least be considered next to certain that the number of stars for the region between $6^{h}\ 47^{m}$ and $8^{h}\ 47^{m}$ of the Declination $-21°$ does not exceed the total number of stars that would have been found there, if they had been all *completely* observed down to $9^{m}\cdot8$ (inclusive). The great incompleteness of the stars 9·9 and 10·0 is shown by the mere fact that in the two hours quoted the stars 9·7 and 9·8 are more than three times as numerous in the catalogue than the stars 9·9 and 10.

Starting from this supposition and admitting that the number of stars of any class of magnitude are 3·87 times as numerous as those of a class brighter by one magnitude, we can compute from the number of stars on our plates, as compared with that of Schönfeld on the same area, the magnitude down to which these plates may be considered complete.

In this way I find, from countings made on the Zone $-21°$, that the plates of which the centres have the Right Ascensions $7^{h}\ 0^{m}$, $7^{h}\ 20^{m}$, $7^{h}\ 40^{m}$, $8^{h}\ 0^{m}$, $8^{h}\ 20^{m}$, $8^{h}\ 40^{m}$, must show the stars complete down to respectively $10^{m}\cdot27$, $10^{m}\cdot40$. $10^{m}\cdot74$, $10^{m}\cdot49$, $10^{m}\cdot47$, $10^{m}\cdot37$.

With these data, together with the number of stars 10^{m}, $9^{m}\cdot9$, - - - - which are to be found in the SD. on the area covered by the plates, the number of stars that

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might have been expected to be missing, if the various degrees of redness were as probable as for the stars 6·1—7·0, can be computed, and these may then be compared to the number of really missing stars.

I find in this way

Declination —21°	Number of Missing Stars.	
	Expected.	Found.
h m		
Plate 7 0	11	0
7 20	9	1
7 40	2	0
8 0	3·5	1
8 20	4	1
8 40	6·5	2
Total - -	36·	5

After all that has been said on the subject, there can be no serious doubt of the fact that the uniformity of colour is, really or apparently, far greater for the fainter stars than for the brighter ones. The subject, however, seems to call for a more exhaustive discussion than could be here entered into.

The comparison of our Durchmusterung with that of Schönfeld has not only led to the detection of some stars $9^{m}\cdot0$ or brighter missing on the plates, but has inversely brought to light some cases where stars photographically $9^{m}\cdot0$ or brighter are missing in Schönfeld's work.

The whole list of these stars is as follows :—

III.—LIST OF STARS PHOTOGRAPHICALLY $9^{m}\cdot0$ OR BRIGHTER MISSING IN SD.

No.	No. in Phot. Dm.	Phot. Mag.	α 1875	δ 1875	Remarks.
		m	h m s	° ′	
1	1613	8·9	6 40 49·4	— 20 40·9	SD. has only one star (8·8) here.
	1617	8·2	40 52·4	40·3	
2, 3	1753	8·9	6 49 37·7	20 17·0	SD. has only one star (9·1) here. The three stars are near to the bright one (6·8 in SD.) at 49^{m} $39^{s}\cdot2$, —20° 14′·8.
	1754	8·8	49 38·2	15·7	
	1757	9·0	49 41·2	15·5	bl.
4	1867	9·0	6 56 18·1	20 19·5	Not near bright star.
5	2476	8·5	7 33 53·3	22 31·3	In Thome's Dm. 9·3. Not near bright star.

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LIST OF STARS PHOTOGRAPHICALLY $9^{m}\cdot0$ OR BRIGHTER MISSING IN SD.—*continued.*

No.	No. in Phot. Dm.	Phot. Mag.	α 1875	δ 1875	Remarks.
		m	h m s	° ′	
6	2693	9·2	7 41 21·3	— 22 40·9	Not near bright star. Both stars are missing in SD. On the other hand SD. has the two stars (1875) $9^{m}\cdot7$, 7^{h} 41^{m} $21^{s}\cdot7$, —22° 45′·2 and $9^{m}\cdot7$, 7^{h} 41^{m} $24^{s}\cdot4$, —22° 46′·0, which are the only ones missing in Phot. Dm. in this region. Still there seems to be no error in the SD. (*Vide* Astr. Nachr. No. 3189). The brightest of our stars has been once observed in Bonn. Thome has both our stars (respectively $9^{m}\cdot5$ and $9^{m}\cdot7$) and probably the last of those of Schönfeld.
	2697	8·9	41 24·8	41·2	
7	3424	9·0	8 13 18·7	21 50·8	Not near bright star.
8	3489	9·0	8 16 39·5	21 41·8	Not near bright star.
9	3768	9·0	8 34 19·5	22 51·4	Not near bright star. Also missing in Thome's Dm. Variable? When the star is compared only to stars in the immediate vicinity its magnitude according to Schönfeld and Thome would be found 9·2.
10	6633	8·8	17 56 43·8	22 30·6	a } In Messier 21. SD. has but one star here. In Thome's Dm. both are found with the respective mags. 9·8 and 9·2. There is a star 6·8 (U.A.) at 56^{m} $39^{s}\cdot2$, —22° 30′·1.
	6634	8·6	56 44·3	29·7	
11	6736	8·9	18 9 26·7	19 0·5	In *G* 8¾ (cluster in Sagittar. No. 189). Not very near to bright star (there is a 8·0 at $10^{sec.}$ distance).
12	6904	8·8	18 24 27·0	19 12·8	Near the variable star 18^{h} 24^{m} $32^{s}\cdot0$, —19° 12′·6 (U Sagittar.)

To these stars might have been added the following ones :—

No.	Phot. Mag.	α 1875	δ 1875
		h m s	° ′
13	9·0	18 7 22·9	— 19 31·5
14	9·0	7 24·9	19 17·0
15	9·0	7 31·9	19 1·6
16	9·0	7 54·7	19 2·7
17	9·0	8 19·7	18 58·5
18	9·0	8 34·5	18 57·3
19	9·0	28 46·7	20 19·1
20	9·0	59 30·3	22 59·9 Markree I., p. 98 (9). Thome 9·6.

but of these the six first are near together at the edge of plate – 21½, 18^{h} 0^{m}; Nos. 16, 17, 18 are common to this plate and the following one, on which their magnitudes were found to be respectively 9·2, 9·2, 9·6, so that it seems probable that all six are in reality slightly fainter than 9·0. The same holds for No. 19, which is 9·5 on the preceding plate. Finally No. 20 is properly beyond the limits of the SD., and only within the limits of the list of stars on pp. [53] and [54] of the introduction to that work. For this list, however, no completeness was claimed by Schönfeld. Moreover, this star too is somewhat fainter on the overlapping plate – 26½, $19^{h}\cdot0$, and is but 9·6 in Thome.

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For the remaining stars it may be remarked that three are close to bright stars (Nos. 2, 3, 12), and two near to others (Nos. 1, 10), differing much less in magnitude; to these cases apply more or less the remarks made by Schönfeld, p. [30]. There thus remain seven cases unexplained, of which especially the numbers 5, 9, 11 seem noteworthy; the first because of its relatively great photographic brightness, the second because it is missing also in Thome's Dm., and the last because it has been observed not less than seven times in Cordoba in the years 1881–84.

It seems probable that all these stars, with the exception perhaps of No. 11, if not variable, emit light somewhat above the average in actinic power. Here, too, the unexpectedly *small* number of missing stars is very striking.

22.—Number of Stars per Square Degree.

I have not made detailed counts of the number of stars contained in the catalogue, because such counts to be really important ought to be combined with a careful study of the corrections to be applied to the magnitudes of the catalogue in order to make them thoroughly homogeneous throughout. As has been stated already, I hope to undertake such a study, but probably not before the catalogue has been quite finished. In the meanwhile, in the face of the fact that our catalogue is richer in the rich regions, but poorer in the poor regions of the sky than the catalogue of Schönfeld, it is important to know if our catalogue contains, even for the poorest parts, stars enough for all those purposes for which the BD. has proved so eminently serviceable. The following table, giving the number of stars per square degree for every hour of Right Ascension of each of the five belts of plates contained in the catalogue, will be quite sufficient for the purpose :—

TABLE 36. NUMBER OF STARS PER SQUARE DEGREE.

α	19°·0 — 24°·0		24°·0 — 29°·0		29°·0 — 34°·0		34°·0 — 38°·0	
	Number	β	Number	β	Number	β	Number	β
h h		°		°		°		°
0 — 1	8·9	− 84	7·4	− 87	8·8	− 85	8·7	− 81
1 — 2	6·8	− 77	8·4	− 79	9·1	− 79	7·2	− 77
2 — 3	7·3	− 65	9·2	− 66	9·5	− 66	9·9	− 65
3 — 4	10·2	− 51	10·5	− 53	10·3	− 53	11·1	− 53
4 — 5	18·5	− 38	20·6	− 40	19·0	− 41	13·0	− 41
5 — 6	25·3	− 25	29·4	− 27	25·1	− 28	18·8	− 29
6 — 7	50·8	− 12	47·2	− 14	30·2	− 16	23·7	− 18
7 — 8	101·2	0	92·8	− 2	52·8	− 5	63·5	− 7
8 — 9	67·1	+ 12	57·4	+ 9	44·1	+ 6	105·2	+ 3
9 — 10	38·8	+ 23	26·8	+ 19	22·6	+ 16	65·0	+ 12

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TABLE 36. NUMBER OF STARS PER SQUARE DEGREE—*continued.*

α	19°·0 — 24°·0.		24°·0 — 29°·0.		29°·0 — 34°·0.		34°·0 — 38°·0.	
	Number.	β	Number.	β	Number.	β	Number.	β
h h		°		°		°		°
10 — 11	18·2	+ 32	21·1	+ 28	18·9	+ 23	54·1	+ 20
11 — 12	23·2	+ 38	13·9	+ 33	11·5	+ 29	42·3	+ 24
12 — 13	23·2	+ 41	16·2	+ 36	12·3	+ 31	40·5	+ 27
13 — 14	10·2	+ 40	18·6	+ 35	15·9	+ 30	39·2	+ 26
14 — 15	15·6	+ 35	16·8	+ 30	15·6	+ 26	33·2	+ 22
15 — 16	16·2	+ 26	15·2	+ 22	22·7	+ 19	15·6	+ 15
16 — 17	12·8	+ 16	15·7	+ 13	19·9	+ 10	21·4	+ 7
17 — 18	24·7	+ 5	38·7	+ 2	56·4	— 1	72·6	— 3
18 — 19	46·4	— 7	31·0	— 10	46·5	— 12	54·7	— 14
19 — 20	22·7	— 20	23·2	— 22	25·6	— 24	23·1	— 25
20 — 21	23·5	— 33	18·2	— 35	18·2	— 36	22·6	— 37
21 — 22	12·5	— 46	12·7	— 48	13·9	— 49	15·8	— 49
22 — 23	12·3	— 60	8·5	— 61	7·7	— 61	13·8	— 61
23 — 0	7·5	— 73	7·1	— 74	12·2	— 74	9·9	— 73
Mean ...	25·2		23·6		22·1		32·7	

The total mean is 25·43* against
Northern BD. 15·19
Schönfeld's SD. 18·21
Thome's Dm. 56·1

The five poorest plates are the following :—

Plate.	Gal. Latitude.	Number of Stars.	Number of Sq. Degrees.	Number per Sq. Degree.
6	— 75	130	23·25	5·59
194	— 65	151	25·57	5·91
1	— 79	147	23·25	6·32
72	— 75	157	23·25	6·75
7	— 71	159	23·25	6·84
Total		744	118·57	6·28

whereas Argelander finds for the *five* poorest trapezia of the Northern BD. (Bonn Beob. V.)—

Number of Stars.	Number of Sq. Degrees.	Number per Sq. Degree.
779	113·95	6·84

* The whole number of stars between — 19°·0 and — 38°·0 (5981·6 square degrees), is 152,107. The whole number in this volume 152,598.

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The difference is to the disadvantage of our Dm., but is still small enough to be without material importance.

23.—False Objects, Stars Accidentally Omitted, and Probability of Error in the Positions.

As has been stated before, I have been anxious to take every possible precaution against the introduction into the catalogue of any objects not existing in the sky. It seems desirable to ascertain *à posteriori* to what extent these precautions have been successful.

For part of the zone of declination $-22°$ this could be done with very little trouble in the following way. For nearly all the plates from $21^h\ 0^m$ to $5^h\ 20^m$ and from $13^h\ 0^m - 16^h\ 40^m$, thirty-eight in all, the SD. is richer in stars than our Dm. The whole number of stars of this zone contained in our catalogue and within the limits of the SD. is about 1980. Of these, all but 208 stars are in Schönfeld's work. These 208 stars were looked for in Thome's catalogue, with the result that 199 were found. Of the remaining nine*, *five* could be with certainty made out to be real stars by their presence on one or two plates, besides those on which the measurements were originally made. For the *four* last, the stellar nature was ascertained without a doubt under the microscope.

There can thus be no doubt about the fact that among the 1980 stars here examined, *there is not a single false object.* This result was to me gratifying in the highest degree. It is true that the number of stars considered is not very great. But on the other hand, it is certain that the danger of introduction of false stars is far smaller for the richer plates than for the poorer ones here examined, first, because in general the limit of faintness of the objects observed has certainly been slightly lower in the latter case, from fear of the necessity of ultimately rejecting the measurements made (because of a too small number of stars); and, second, because the accuracy of the relative position of the two images, where there are numerous stars in the vicinity, can be far better judged of than where no stars or a few distant stars only are in the same field. Moreover, the favourable result found is strongly confirmed by the experience gained by the consideration of the overlapping portions of contiguous

*Of these nine stars, one is so near the lower limit of declination of Thome ($\delta = -22° \ 0'{\cdot}2$) that its absence is no matter of surprise. *Seven* others are within 75″ distance from another star. There thus remains but a single star, CPD. — 22°, 6220, of which the absence from Thome's Dm. is unexplained, for the presence of a very faint star at $2'{\cdot}2$ distance seems quite insufficient to account for the fact.

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plates, which, as far as I can remember, have not brought to light a single case that seemed to call for the assumption that a false object had been observed.

About the number of stars probably omitted in the catalogue, either through inadvertence of the observers, or through defects of the plates, a fair estimate was obtained in two different ways :—

1. By the number of these objects found in the comparison of other catalogues with our own. As has been said before, all the stars brighter than $9^{m}\cdot5$, not in our Dm., have been looked up on the plates.

2. By the number of those found by the comparison of the overlapping portions of the different zones of one degree in breadth, both when these different zones are contained on the same plate and when they are contained on different plates.

The comparison of the catalogues has brought to light for the stars $9^{m}\cdot5$ or brighter, and well within the limits of faintness of the plates,*

3 cases of a star omitted through inadvertence.
3 ,, ,, ,, ,, ,, ,, defects on the plates.
2 ,, ,, stars very probably variable (stars 1 and 2 of the next article).

Two more stars, one $9^{m}\cdot5$ and the other 10 (according to ZC.) were found to be missing through inadvertence, the latter, however, showing only a diameter of 0 on the plates.

The total number of stars brighter than $9^{m}\cdot5$ in the catalogues, may be certainly estimated at not less than 26,000, so that we get, if the star $9^{m}\cdot5$ is also counted,

omitted through inadvertence, one star in 6,500
omitted through defects of the plate, one in 9,000.

The second plan cannot give a fair estimate of the omissions through defects of the plate, because it is certain that these defects are considerably greater at the edges of the plates than at other parts. Still, however, even here I have only found three stars in 9,000, *two* degrees* (about $0^{m}\cdot4$) brighter than the faintest on the plates, lost through defects of the film. Further, one star only in 15,000 was found missing through inadvertence of the observer.

* It seems prudent to set the limit of faintness for which completeness, or what may be called so, is maintained, at *two* degrees brighter (about $0^{m}\cdot4$) than the faintest stars observed on the plates, that is, to take for this limit the diameter +0 ($0'\cdot33$) wherever, as is usually the case, the images on the measuring plate are fainter than, or equal to, those on the check plate. As far as the evidence derived from the catalogues compared goes, we might as well have set this limit one degree lower (at diam. 0) ; but the fact that small variations of sensitiveness for the various portions of the same plate seem to occur sometimes, makes this an unsafe limit.

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If we estimate the number of existing stars brighter than $9^{m}\cdot5$ (for the zone 19°—38°), *double* that of the stars contained in the catalogues of precision, which, according to a rough counting, is a somewhat high estimate, then it would follow from the first and least favourable consideration that probably some four stars brighter than $9^{m}\cdot5$ will still be found missing, in this volume, through inadvertence and as many through defects of the plates.

In the same way a judgment may be arrived at about the number of errors in the positions of the catalogue. For, as has been stated before, the divergences of our positions from those of the catalogues were looked up on the plates. In the case of Gould's catalogues and that of Argelander—Weiss *all* divergences of $2^{sec.}$ or more in right ascension and of $0'\cdot4$ or more in declination were examined, besides a certain number of smaller ones. In all cases, except *three*, our positions were found correct. In one of these, the second observation was correct, the first erroneous by $4^{secs.}$, notwithstanding which the mean had been simply taken without the error having been noticed. In the two other cases both observations are erroneous in declination by the same amount (once by $0'\cdot4$ and once by $1'$).

The errors found by the comparison of the overlapping zones have not been noted. As far as I can remember there was one error found, but it seems better to rely for an estimate on the catalogue comparisons only. These have given *three* errors in about 24,000 positions, or one in 8,000 positions, from which would result a number of about 16 uncorrected errors for the whole of the present volume. I wish to give this estimate only with some reserve. I cannot but think that it must be too low, though I cannot see a definite cause why it should be so. The precautions taken against the introduction of *typographical* errors will be alluded to at the head of the list of corrigenda. I confidently believe that, after the correction of the three or four errors there given *for the magnitudes and positions*, hardly a single typographical error will be found in these in the present volume.

24.—Variable Stars and Proper Motions.

A small list of suspected variables has been given in No. 2987 of the Astr. Nachr. This list might now be considerably extended, but as in most cases the variability is still very doubtful, it seems better to wait till a series of observations of these stars has been made.

An exception may be made for the eight following stars, not confined to the limits of this volume, of which the variability seems either fairly proved (Nos. 1, 2, 4, 7, 8), or at least highly probable. The magnitudes have been obtained by comparison with stars in the immediate vicinity, for which the magnitudes of our catalogue were

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adopted. All the plates in our possession have, of course, been consulted. The numbers given are those scratched on the glass.

	α 1875.	δ 1875.		Plate No.	Date.	Magnitude.
	h m s	° ′	h			
1.	2 56 52	— 51 8·2	= ZC. 2 1547 (8·5)	845	1887 Oct. 25	< 9·9
				968	„ Nov. 25	9·4
				978	„ „ 29	9·2
				2521	1890 Feb. 14	< 9·9
				2526	„ „ 15	< 9·9
			h			
2.	5 7 37	— 48 39·6	= ZC. 5 283 (9·5)	954	1887 Nov. 22	9·0
				980	„ „ 29	9·0
				2439	1889 Dec. 24	< 10·6
				2528*a*	1890 Feb. 19	9·1
3.	9 28 41	— 36 3·8		1250	1888 Apr. 7	9·2
				1257	„ „ 10	9·0
				2678	1890 May 14	8·8
				2681	„ „ 28	8·9
				2686	„ „ 30	9·2
				2694	„ June 4	9·1
				2698	„ „ 5	$9{\cdot}2^{5}$
				2735	„ „ 24	9·3
4.	10 10 35	— 53 51·5		603	1887 Mar. 18	$8{\cdot}6^{5}$
				610	„ „ 22	$8{\cdot}6^{5}$
				2079	1889 Feb. 5	< 9·6
				2111	„ „ 13	< 9·6
				2634	1890 Apr. 15	10·5
				2717	„ June 13	$8{\cdot}6^{5}$
			h			
5.	12 2 55	— 44 43·8	= ZC. 12 181 (9·0)	1271	1888 Apr. 20	$9{\cdot}0^{5}$
				1316	„ May 8	$8{\cdot}7^{5}$
				1389	„ June 20	$8{\cdot}9^{5}$
				2710	1890 „ 11	9·6
				2724	„ „ 14	8·9
6.	16 41 43	— 19 14·3	= C 2769 (8·5)	1598	1888 Aug. 22	< 9·9
				1725	„ Oct. 22	9·2
7.	16 48 40	— 30 22·6	= a No. 12936 (6)	1499	1888 July 25	9·2
				1711	„ Oct. 5	< 10·0
8.	19 8 24	— 33 44·4		1727	1888 Oct. 22	10·2
				1744	„ „ 25	10·2
				2906	1890 „ 30	7·2
				2913	„ Nov. 3	7·2
				2949	„ „ 14	7·1
				2953	„ „ 19	7·1

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No. 1. On plates 845, 2521, 2526 there is no trace of a star in this position. In the ZC. this object occurs in the list of zone stars not found on revision (Introd., p. xv.).

No. 2.* On plate 2439 there is no trace of a star in this position. Not the slightest defect of the film can be detected under the microscope. Variability confirmed by Cape "Carte du ciel" plates. 1893 January 12, certainly missing; 1893 December 8, mag. = 9·0.

No. 3. The differences between the magnitudes on plates 2678 and 2735, and between those of 1250 and 1257, though small, are certainly real. The two latter plates have also been examined under the microscope. In Thome 9·2.

No. 4. On the plates 2079, 2111 there is no trace of a star in this position, though other stars of the magnitude $9^m{\cdot}6$ in the immediate vicinity are plainly visible. No defect in the film of plates 2634 and 2717 could be detected under the microscope.

No. 5. The difference between the diameters on plates 1271 and 1316, though relatively small, is certainly real. The difference between the diameters on plates 2710 and 2724 is of course very conspicuous. All the plates have been examined under the microscope; no defect in the films could be detected.

No. 6. On plate 1598 there is no trace of a star in this position. The film shows no defect as seen under the microscope. Magnitude according to SD. 8·8; according to C. 8·5; according to Wash. Zones 9.

No. 7.* On plate 1711 there is no trace of a star in this position. Both plates were examined under the microscope; no defect in the films could be detected. Star is also in the list of suspected variables of Thome. I find the following estimates of visual magnitude :—

Wash. Z.	1847 May 28	9·	
a	1849 June 23	6·	(error of 1′ in declination)
W	1868·8	7·0	
Thome	1887 June 15	7·7	
	1888 April 14	7·5	
	1892 May 25	9·1	

No. 8. The plates 1727 and 1744 were examined under the microscope. No defect in the film could be detected. Visual estimates: Lacaille 7; Stone 7; U.A. 6·9; ZC. 7.

The variability of two more stars: $13^h\ 9^m\ 17^s\ -44°\ 2'{\cdot}6$ and $17^h\ 49^m\ 32^s\ -49°\ 24'{\cdot}9$ is all but proved by the Cape "Carte du ciel" plates.

A certain number of considerable proper motions have been detected but have not as yet been discussed. We hope to give these with another volume.

* While this work has been passed through the press, Nos. 2 and 7 of our list have been also discovered at Harv. Coll. Observatory (*vide* Astr. Journ., No. 347).

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25.—List of the Plates; Arrangement of the Catalogue; Summary of Results and Abbreviations.

In order to facilitate the reference to the plate on which the observations of every individual star have been made, the plates of the belt $-21\frac{1}{2}$ have been numbered in the order of their right ascensions from 1 to 72; those of belt $-26\frac{1}{2}$ likewise from 73 to 136, &c., in such a way that the plates corresponding to one and the same portion of the sky have all the same rotation number, which must be distinguished from the number scratched on every individual plate. The list IV. contains in the first column the rotation number of the plates. In the second and third, the declination and right ascension of its centre. The fourth contains the numbers scratched on the plates. The first of these refers always to the measuring plate, the second to the check plate, the remaining ones, generally less perfect than the former, were not used at all except where they could contribute to the solution of some doubtful case. The fifth column contains the date of exposure; the column headed t the hour angle of the centre of the plate at the middle of the exposure, the next one its duration. By Z and β are denoted the zenith distance corresponding to the hour angle t, and the galactic latitude of the centre of the plate. B and C are the constants adopted in the reduction of the diameters to magnitudes by the formula

$$m = \frac{B}{\text{diam.} + C}$$

and n denotes the number of stars used in their computation.

The 13th column shows the relation of the images of the fainter stars on the measuring plate as compared with those on the check plate, as seen in the telescope. The number before the sign = is relative to the measuring plate; the meaning of a notation as $-0 = +0$ thus being, that an image estimated -0 on the measuring plate corresponds with an image $+0$ on the check plate, &c.

In the next column the letters S and V denote the observers at the ocular for the first measurement of each plate (Art. 5).

In the last column finally the remarks of the observers at the ocular of the measuring apparatus and those of the photographer, mostly relative to the state of the sky, have been given, the latter in *italics*. In the remarks of the former the measuring and check plate are often not distinguished, the observers having simply noted down what they could see in the telescope. Thus, for instance, in the case of numerous star-like specks, it was mostly impossible for the observer to decide, without leaving the telescope, on which of the two plates they occur.

About the arrangement of the catalogue itself little need be said.

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The first column contains the photographic magnitudes. The end of a plate has been marked by a dash in this column, and the plate to which any particular star belongs can be ascertained at a glance by the plate numbers at the head of the page. For the overlapping portions of consecutive plates the means were taken of the positions but never of the magnitudes ; these were always set down as they were found on the plate to which they belong according to the catalogue. In those few cases where stars within the regular limits of a certain plate were, notwithstanding that, taken from another contiguous one (because they are missing on the former), the magnitude is marked with an asterisk (*) when the star belongs to a plate of the same declination, with a dagger (†) if it belongs to a plate of another declination. It can never be doubtful, therefore, from what plate the magnitude was obtained.

The second and third columns give the right ascension and declination for the epoch 1875·0. At the bottom of these columns are given the precessions for 25 years, in order to facilitate a comparison with positions for other epochs. They include no secular variation and are relative to the mean declination of the zone, and to the right ascension of the middle star of each column. As they were taken from tables accurate to $0^{s}\cdot1$ and $0'\cdot1$, errors of this amount may occur.

The fourth column finally contains the references, for the explanation of which we may refer to Art. 20. It may be here repeated that the magnitudes given in this column are those of Schönfeld, if at the right-hand side (zones 19°—22°), those of ZC. if at the left-hand side.

By the sign : is meant that the object was *suspected* of being double. Where the components of a double star could be well separated, both have been observed and inserted in the catalogue. Where not, the sign : has been made use of. For the stars so distinguished, the distance of the components will not, therefore, exceed a couple of tenths of a minute in the case of fainter stars, whereas in the case of brighter stars, where, owing to the greater diameter, the images overlap even where the distance is pretty considerable, this distance may occasionally reach 1′ or more. There must be numerous cases in which the suspicion of duplicity will not be confirmed, and I do not overestimate the value of the information conveyed by this sign. Still, uncertain as it is, it seemed preferable to no information at all, and so I have retained the sign.

The same must be said of the sign ×, by which the fact is notified that the star seemed somewhat nebulous. All these objects were looked for in Dreyer's Gen. Cat. of Nebulæ, and when contained in this work, were set down as nebulæ in the first column. For those not found the sign was retained ; whether in the case of some of these we have to do with stars surrounded by nebula, or only with some accidental defect of the plate, I do not venture to decide.

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Lastly, the sign ? implies that the existence of the star seems more or less doubtful. As remarked before (Art. 5) there is little doubt but that nearly all these stars, too, really exist in the sky.

Before the catalogue proper a certain number of stars observed together with those of zone $-19°$ but belonging to zone $-18°$ have been given. For these stars no completeness is claimed north of the parallel of 18° 58′, or even 18° 58′·5.

For the sake of convenience we repeat here some of the principal results of the preceding pages, together with the abbreviations used either in the introduction or in the body of the catalogue.

A. Formula of reduction for the magnitude—

$$\text{Magn.} = \frac{B}{\text{diam.} + C} \qquad \text{from which diam.} = \frac{B}{\text{magn.}} - C$$

for the values of B and C, *vide* list IV., pp. (99)–(122).

B. Corrections μ applicable to the tabular magnitudes to bring them into accord with definition III. (p. (47)), and the scale of Gould's Zone Catalogue.

By a graphical smoothing of the values of Table 22 I get—

ZC.-phot.

$\delta = -19°·0$ to $-24°·0$

Phot. mag.	μ
m	m
9·55	
	+ 0·1
7·85	
	0·0
7·45	
	− 0·1
7·05	
	− 0·2
6·65	
	− 0·3
6·35	
	− 0·4
6·05	
	− 0·5
5·75	
	− 0·6
5·45	

$\delta = -24°·0$ to $-38°·0$

Phot. mag.	μ
m	m
9·55	
	0·0
8·15	
	− 0·1
7·75	
	− 0·2
7·15	
	− 0·3
4·45	

from which the corrections μ may be taken without interpolation.

C. Probable error of α	$\pm$ $0^s·27$	*vide* Art. 14, p. (52).
,, ,, ,, δ	$\pm$ $2''·6$	,, ,, 15, p. (53).
,, ,, ,, mag. (including system. errors of plates)	$\pm$ $0^m·114$	,, ,, 17, p. (57).

D. Probable value r of degree of blueness (mean of Tables 20 and 35).

Mag.	r
m m	m
9·5 — 9·9	± 0·11
9·0 — 9·4	0·15
8·5 — 8·9	0·17
8·0 — 8·4	0·23
7·0 — 7·9	0·28
6·0 — 6·9	0·40
5·0 — 5·9	0·40
4·0 — 4·9	0·45

E.—References. (For details, *vide* Art. 20.)

C. Porter's Cincinnati Zone Catalogue of 4050 Stars (1887).

G, *G*, **G**. Gould's Argentine General Catalogue (1886).

G refers to the cluster catalogue at the end of the work.

G implies the presence of the star both in G and p.

K. Kam's Catalogue of Stars from the Astr. Nachr., Vols. 67—112.

M. Zweites Münchener Sternverzeichniss (1891).

S, **S**. Stone's Cape Catalogue for 1880 (1881).

W. Washington Catalogue (Yarnall), 3rd edition (1889).

a. Argelander's Südliche Zonen, von E. Weiss (1890).

b. Bonn. Merid. Observations (Bonn. Beob. VI., 1867).

c. Cape Catalogue for 1850 (1884).

g. Gilliss' Catalogue of 1963 Stars (1870).

k. Kam's Catalogue of Stars from the Astr. Nachr., Vols. 1—66 (1885).

l. Lalande's Catalogue by F. Baily (1847).

m. Erstes Münchener Sternverzeichniss (Lamont's Obs., 1890).

p. Brisbane's Paramatta Catalogue (1835).

r. Rümker's Preliminary Catalogue of Southern Stars (1832).

t. Taylor's Madras General Catalogue (1844).

β. Auwers' Bradley (1888).

λ. Lacaille's Catalogue of 398 Principal Stars by F. Baily (1833).

μ. Auwers' Mayer (1894).

π. Piazzi's Catalogue of 1814.

–, =, ≡, ≥......Washington Zones (1870, 71).

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mag. Reference by magnitude at the *left hand* side of the column of references (some few in zone −22°, the rest all south of −23° 0′) to Gould's Cordoba Zone Catalogue (1884). *Italics* indicate the fact that the catalogue contains two stars which have produced but a single image on the plates.

mag. Reference by magnitude at the *right hand* side of the column of references (exclusively north of −23° 0′) to Schönfeld's Bonner Sternverzeichniss, 4ᵉ section (1886).

F.—Other abbreviations.

ZC. Cordoba Zone Catalogue.

SD. Schönfeld's Südliche Durchmusterung (Bonner Sternverzeichniss, 4ᵉ section).

CPD. Cape Photographic Durchmusterung.

* Where in the catalogue the magnitude of a star is marked with an asterisk, the star belongs to the preceding or following plate of the same declination.

† Where in the catalogue the magnitude of a star is marked with a dagger, the star belongs to a contiguous plate, North or South.

: Suspected double.

× Image of the star somewhat nebulous.

? Existence of the star somewhat doubtful.

IV.—LIST OF THE PLATES.

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	·β	Reduct.—Mag. B	C	n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
1	−21·5	0 0 0	1895	1888 Dec. 7	3 23	30	46	−79	127·4	13·4	61	o=o	V.	
			2006	1889 Jan. 18	4 31	40	60	...	...	...	...	...	...	
2	,,	0 20 0	1826	1888 Nov. 20	3 10	30	43	−82	111·7	11·6	61	o=o	V.	
			1886	,, Dec. 3	3 5	30	42	...	...	...	...	...	...	
3	,,	0 40 0	2060	1889 Jan. 31	4 17	35	58	−84	150·6	15·3	77	o=o	V.	
			1896	1888 Dec. 7	3 18	30	45	...	...	...	...	...	...	
4	,,	1 0 0	2071	1889 Feb. 5	4 18	36	58	−83	158·0	16·7	71	o=o	V.	
			2082	,, ,, 8	4 29	38	60	...	...	...	...	...	...	
5	,,	1 20 0	2061	,, Jan. 31	4 17	35	58	−79	114·3	12·0	59	o=o	V.	Numerous star-like specks.
			2072	,, Feb. 5	4 40	37	62	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
6	—21·5	1 40 0	2052	1889 Jan. 30	3 58	33	54	—75	99·7	10·6	54	—0 = 0	V.	
			2083	„ Feb. 8	3 32	37	48	...	..	...	...	...	...	
7	„	2 0 0	2046	„ Jan. 29	3 31	30	48	—71	101·5	10·4	67	(0 = 0)	V.	
			2007	„ „ 18	3 14	35	44	...	...	...	...	...	...	
8	„	2 20 0	2037	„ „ 24	3 3	30	42	—67	148·4	15·4	81	0 = 0	V.	
			2029	„ „ 22	3 25	30	46	...	...	...	...	...	...	
9	„	2 40 0	2021	„ „ 21	3 11	30	43	—62	138·2	14·2	80	—0=+0	V.	
			2008	„ „ 18	3 16	35	45	...	...	...	...	...	...	
			2002	„ „ 14	—	22	...	...	...	...	...	...	...	*Exposed from* $t = 3^h 0^m — 3^h 8^m$, *and* 3·30—3·44.
10	„	3 0 0	2030	„ „ 22	3 21	30	45	—58	153·4	16·0	80	0 = 0	V.	
			2038	„ „ 24	2 59	30	41	...	...	...	...	...	...	
			2047	„ „ 29	3 7	30	...	...	...	...	...	...	...	
11	„	3 20 0	2048	„ „ 24	3 20	30	45	—54	106·0	10·8	73	0 = 0	V.	Numerous star-like specks.
			2009	„ „ 18	3 17	35	45	...	...	...	...	..	...	
			2022	„ „ 21	3 7	30	...	...	...	...	...	...	...	
12	„	3 40 0	2074	„ Feb. 5	3 30	30	47	—49	123·0	12·5	79	0 = 0	V.	
			2054	„ Jan. 30	3 11	30	44	...	...	...	...	...	...	
13	„	4 0 0	2085	„ Feb. 8	3 26	30	47	—45	139·3	14·3	87	—0=+0	V.	
			2093	„ „ 11	2 45	35	38	...	...	...	...	...	...	
			2132	„ „ 21	2 50	40	...	...	...	...	...	...	...	*Hazy.*
			2143	„ „ 28	2 50	50	...	...	...	...	...	...	...	
14	„	4 20 0	2172	„ Mar. 12	3 44	37·5	50	—40	150·2	15·0	90	In low declin.	V.	
			2055	„ Jan. 30	3 7	30	43					—0 = 0 or + 0,		
			2150	„ Mar. 4	2 58	45						for the rest 0=0		
15	„	4 40 0	2173	„ Feb. 12	3 5	40	42	—36	130·4	13·0	86	0 = —0	V.	
			2086	„ „ 8	3 21	30	46	...	...	...	...	...	...	
			2137	„ „ 25	2 59	38	...	...	...	...	...	...	...	} *Poor plates.*
			2144	„ „ 28	3 5	50	...	...	...	...	...	...	...	
16	„	5 0 0	2195	„ Mar. 23	2 49	38	39	—31	184·6	18·7	92	—0 = 0; For δ=23°	V.	
			2168	„ „ 11	2 50	40	39	...	...	...	...	—0=+0		

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	c						
17	—21·5	5 20 0	2138	1889 Feb. 25	3 14	45	44	—27	147·8	15·0	85	...	V.	For the greater part m=c. In low R.A. m > c owing to imperfect transparency of measuring plate.
			2098	,, ,, 12	3 14	35	44	...	...	...	...	...	...	
			2135	,, ,, 23	3 25	50	...	...	...	...	...	...	...	
18	,,	5 40 0	2196	,, Mar. 23	2 49	38	39	—23	184·0	18·0	101	0=0	V.	In zone 23° numerous star-like specks. This zone measured a 3rd time with No. 2145 as a check plate.
			2169	,, ,, 11	2 52	38	40	...	...	...	...	...	...	
			2145	,, Feb. 28	3 2	50	...	...	...	...	...	...	...	
19	,,	6 0 0	2222	,, April 2	2 59	38	41	—18	169·1	16·3	98	0=0	V.	
			2170	,, Mar. 11	3 12	38	44	...	...	...	...	...	...	
			2139	,, Feb. 25	3 26	45	...	...	...	...	...	...	...	*Poor plate.*
			2140	,, ,, 27	2 52	45	...	...	...	...	...	...	...	
20	,,	6 20 0	2223	,, April 1	3 21	38	45	—14	207·9	20·6	101	(0=0)	V.	
			2197	,, Mar. 23	2 49	38	39	...	...	...	...	...	...	
21	,,	6 40 0	2171	,, ,, 11	3 13	40	44	—10	218·2	21·4	112	—0=0 or +0	V.	
			2228	,, April 3	3 1	38	42	...	...	...	...	...	...	
			2141	,, Feb. 27	3 0	45	...	...	...	...	...	...	...	*Poor plate.*
			2146	,, ,, 28	2 56	48	...	...	...	...	...	...	...	
22	,,	7 0 0	2229	,, April 3	3 29	50	47	—6	206·0	20·0	108	0=0	V.	*Last 30^m hazy.*
			2198	,, Mar. 23	2 50	40	39	...	...	...	...	...	...	
23	,,	7 20 0	2199	,, ,, 23	2 51	38	39	—2	223·6	21·9	111	0=0	V.	
			2224	,, April 2	3 3	38	42	...	...	...	...	...	...	
24	,,	7 40 0	2231	,, ,, 8	2 55	38	40	+2	181·0	17·6	111	(0=0)	V.	
			2275	,, ,, 30	2 49	38	39	...	...	...	...	...	...	
25	,,	8 0 0	2232	,, ,, 8	3 14	38	44	+6	174·5	17·0	97	—0=0	V.	
			2301	,, May 10	2 59	38	41	...	...	...	...	...	...	
			2225*	,, April 2	3 5	38	...	...	...	...	...	...	...	
26	,,	8 20 0	2276	,, ,, 30	3 6	40	43	+10	196·6	19·2	100	—0=0	V.	
			2312	,, May 11	2 51	38	40	...	...	...	...	...	...	
27	,,	8 40 0	2302	,, ,, 10	3 2	38	41	+14	188·5	18·3	100	(0=0)	V.	
			2313	,, ,, 11	3 14	38	44	...	...	...	...	...	...	
			2225*	,, April 2	3 5	38	...	...	...	...	...	...	...	

* On Plate 2225 both the regions 25 and 27 have been photographed by mistake.

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
28	—21·5	9 0 0	3039	1891 June 23	3 54	45	53	+18	154·6	16·0	68	0=0	V.	*Definition good to poor.*
			3037	" " 22	4 1	42	54	...	...	...	...	...	...	*Definition bad.*
			2329	1889 May 23	3 29	38	...	...	...	...	...	...	...	*Wrong guiding star.*
			2341	" " 24	2 59	38	...	...	...	...	...	...	...	
			2353	" " 29	3 4	38	...	...	...	...	...	...	...	
			3034	1891 June 16	3 18	45	...	...	...	...	...	...	...	*Definition very good but hazy.*
29	"	9 20 0	2303	1889 May 10	3 5	38	42	+21	144·1	13·7	100	—0=0	V.	
			2314	" " 11	3 13	38	44	...	...	...	...	...	...	
30	"	9 40 0	2354	" " 29	3 5	38	42	+24	167·5	16·6	94	—0=0	V.	
			2342	" " 24	3 1	38	42	...	...	...	...	...	...	
			2330	" " 23	3 31	38	...	...	...	...	...	...	...	*Wrong guiding star.*
31	"	10 0 0	2359	" " 30	2 49	38	39	+27	142·6	14·0	87	(0=0)	V.	
			2355	" " 29	3 25	38	47	...	...	...	...	...	...	
32	"	10 20 0	2344	" " 24	3 43	38	51	+30	170·1	16·8	91	In low δ —0=0	V.	
			2360	" " 30	3 9	38	43	...	...	...	...	in high δ 0=0	...	
33	"	10 40 0	2361	" " 30	3 29	38	47	+33	137·4	13·6	78	0=0	V.	
			2356	" " 29	3 30	38	48	...	...	...	...	...	...	
34	"	11 0 0	2362	" " 30	3 49	38	52	+35	183·7	19·0	87	0=—0	V.	Numerous star-like specks.
			2357	" " 29	3 54	38	53	...	...	...	...	...	...	
35	"	11 20 0	3038	1891 June 22	2 33	29	36	+37	173·3	18·0	75	0=0	V.	*Clouded up.*
			3040	" " 23	2 20	40	33	...	...	...	...	...	...	*Definition fair.*
			2358	1889 May 29	4 13	34	...	...	...	...	...	...	...	*Fog and bad guiding.*
			2363	" " 30	4 18	43	...	...	...	...	...	...	...	*Fog.*
			2364	" " 30	5 18	35	...	...	...	...	...	...	...	*Wrong side of plate.*
			3032	1891 June 15	2 59	40	...	...	...	...	...	...	...	*Definition very good.* Film partly detached.
36	"	11 40 0	3043	" " 26	1 36	40	25	+39	188·2	19·0	75	0=0	V.	*Definition good.*
			3041	" " 23	2 43	40	37	...	...	...	...	...	...	*Definition fair.*
			1478	1888 July 20	3 30	30	...	...	...	...	...	...	...	
			1487	" " 23	3 28	30	...	...	...	...	...	...	...	
			1496	" " 25	3 15	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued*.

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
37	—21·5	12 0 0	3042	1891 June 23	3 6	40	43	+40	168·1	17·0	81	0=0	V.	*Definition fair.*
			3033	„ „ 15	3 6	40	43	...	...	...	...	...	...	*Definition very good.*
			1497	1888 July 25	3 29	30	...	...	...	...	...	...	...	
			1513	„ Aug. 3	3 58	30	...	...	...	...	...	...	...	
38	„	12 20 0	3044	1891 June 26	1 41	40	26	+41	216·4	22·0	85	+0=0 or —0	V.	*Definition good.*
			3048	„ „ 29	1 7	40	19	...	...	...	...	...	...	*Definition poor.*
			1479	1888 July 20	3 25	30	...	...	...	...	...	...	...	
			1488	„ „ 23	3 24	30	...	...	...	...	...	...	...	
39	„	12 40 0	3045	1891 June 26	2 6	40	30	+41	245·4	25·0	90	—0=0 or +0	V.	*Definition good.*
			3049	„ „ 29	2 24	37	34	...	...	...	...	...	...	*Definition poor.*
			1480	1888 July 20	3 41	30	...	...	...	...	...	...	...	
			1489	„ „ 23	3 38	30	...	...	...	...	...	...	...	
			1539	„ Aug. 10	3 36	30	...	...	...	...	...	...	...	
40	„	13 0 0	1504	„ July 28	3 35	30	49	+41	138·1	14·0	85	0=0	S.	
			1548	„ Aug. 16	3 33	30	48	...	...	...	...	...	...	
41	„	13 20 0	1567	„ „ 18	3 24	30	46	+40	165·5	17·0	79	0=0	S.	
			1540	„ „ 10	3 32	30	48	...	...	...	...	...	...	
42	„	13 40 0	1568	„ „ 18	3 40	30	50	+39	165·4	17·0	82	0=0	S.	
			1549	„ „ 16	3 30	30	48	...	...	...	...	...	...	
			1522	„ „ 4	3 27	30	...	...	...	...	...	...	...	*Wrong guiding star.*
43	„	14 0 0	1505	„ „ 28	3 10	30	43	+38	169·2	17·3	86	0=0	S.	
			1541	„ „ 10	3 28	30	47	...	...	...	...	...	...	
44	„	14 20 0	1595	„ „ 24	3 35	30	49	+36	165·2	16·8	95	0=0	S.	
			1586	„ „ 22	3 0	30	41	...	...	...	...	...	...	
45	„	14 40 0	1574	„ „ 20	2 58	30	41	+33	132·3	13·7	70	—0=0 or +0	S.	
			1569	„ „ 18	3 17	30	45	...	...	...	...	...	...	
			1587	„ „ 22	3 17	30	...	...	...	...	...	...	...	The sensitive film has been in contact with broken plate.
46	„	15 0 0	3046	1891 June 26	0 30	35	15	+31	180·3	18·0	77	0=0	V.	*Definition good.*
			3050	„ „ 29	0 44	35	16	...	...	...	...	...	...	*Definition fair.*
			1575	1888 Aug. 20	3 15	30	...	...	...	...	...	...	...	
			1596	„ „ 24	3 35	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
47	—21·5	15 20 0	1588	1888 Aug. 22	3 15	30	45	+28	149·8	15·0	93	0=0	S.	
			1570	„ „ 18	3 15	30	45	...	...	...	...	...	...	
48	„	15 40 0	1657	„ Sept. 22	...	33	51	+25	140·6	14·3	84	0=—0	S.	*Exposed from* $t=3^h 26^m-3^h 46^m$ *and from* $4^h 5^m-4^h 18^m$.
			1589	„ Aug. 22	3 33	30	48	...	...	...	...	...	...	
			1646	„ Sept. 18	3 38	35	...	...	...	...	...	...	...	
49	„	16 0 0	1665	„ „ 28	3 42	32	50	+22	154·3	15·4	96	0=0	S.	
			1597	„ Aug. 24	3 13	30	44	...	...	...	...	...	...	
50	„	16 20 0	1685	„ Oct. 2	3 35	30	49	+18	167·5	17·0	83	0=—0	S.	In zones 22° and 23° numerous star-like specks.
			1666	„ Sept. 28	4 0	30	54	...	...	...	...	...	...	
51	„	16 40 0	1725	„ Oct. 22	4 49	38	64	+14	156·0	16·0	84	0=0	S.	
			1598	„ Aug. 22	3 15	30	45	...	...	...	...	...	...	
52	„	17 0 0	1686	„ Oct. 2	3 41	30	50	+11	150·1	15·0	87	+0=—0	S.	Near the edge, at δ=24°, stars very faint on check plate.
			1647	„ Sept. 18	3 0	35	41	...	...	...	...	...	...	
53	„	17 20 0	1726	„ Oct. 22	4 52	37	64	+ 7	182·5	19·0	88	—0=+0	S.	
			1599	„ Aug. 24	3 11	30	44	...	...	...	...	...	...	
			1648	„ Sept. 18	3 20	35	...	...	...	...	...	...	...	
54	„	17 40 0	1659	„ „ 24	3 17	30	45	+ 3	155·6	16·0	90	(0=0)	S.	
			1667	„ „ 28	3 17	30	45	...	...	...	...	...	...	
55	„	18 0 0	1687	„ Oct. 2	3 17	30	45	— 1	175·1	17·0	102	0=0	S.	
			1649	„ Sept. 18	3 24	35	46	...	...	...	...	...	...	
56	„	18 20 0	1668	„ „ 28	3 15	34	44	— 5	151·5	15·0	91	0=0	S.	
			1660	„ „ 24	3 15	30	45	...	...	...	...	...	...	
57	„	18 40 0	1669	„ „ 28	3 30	30	48	—10	152·5	15·0	99	0=0	S.	
			1688	„ Oct. 2	3 14	30	44	...	...	...	...	...	...	
			1650	„ Sept. 18	3 23	32	...	...	...	...	...	...	...	
58	„	19 0 0	1661	„ „ 24	3 15	30	44	—14	138·9	13·6	96	0=0	S.	
			1689	„ Oct. 2	3 31	30	48	...	...	...	...	...	...	
59	„	19 20 0	1822	„ Nov. 20	4 39	37^5	62	—18	122·7	12·0	82	0=0	S.	
			1812	„ „ 9	4 36	37^5	61	...	...	...	...	...	...	
60	„	19 40 0	1832	„ „ 21	4 35	40	61	—22	120·4	12·0	78	—0=+0	S.	
			1837	„ „ 22	4 44	40	63	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
61	−21·5	20 0 0	3058	1891 Aug. 1	−2 16	43	32	−27	165·3	18·0	59	0=0	V.	*Haze.*
			3055	„ July 31	−1 40	40	26	...	...	...	...	...	...	*Definition fair.*
			1813	1888 Nov. 19	4 36	35	...	...	...	...	...	...	...	
			1882	„ Dec. 3	4 59	38	...	...	...	...	...	...	...	
			1892	„ „ 7	5 25	40	...	...	...	...	...	...	...	
62	„	20 20 0	1823	„ Nov. 20	4 24	35	59	−31	153·6	15·0	96	0=0	S.	South of 23° 40′ stars very faint on measuring plate. Diameters here estimated on check plate.
			1869	„ „ 28	4 22	35	58	...	...	...	...	...	...	
63	„	20 40 0	1907	„ Dec. 13	5 25	40	71	−35	141·3	14·0	87	0=0	S.	Stars on measuring plate ill-defined.
			1901	„ „ 10	5 5	40	67	...	...	...	...	...	...	
64	„	21 0 0	1798	„ Nov. 7	3 27	30	47	−40	137·7	14·2	85	−0=+0 or −1	S.	South of 23° 35′ stars on check plate very faint. The zone south of 23° 30′ was, therefore, measured a third time with No. 1833 as a check plate.
			1814	„ „ 19	4 16	35	57	...	...	...	...	...	...	
			1833	„ „ 21	3 55	30	...	...	...	...	...	...	...	
65	„	21 20 0	1916	„ Dec. 18	5 6	45	67	−44	131·6	13·3	86	−0=0	S.	*Hazy.* Stars on measuring plate not well defined.
			1838	„ Nov. 22	3 48	35	51	...	...	...	...	...	...	
66	„	21 40 0	1893	„ Dec. 7	4 28	35	60	−48	180·4	18·5	87	0=0	S.	
			1799	„ Nov. 7	3 23	30	46	...	...	...	...	...	...	
67	„	22 0 0	1815	„ „ 19	3 55	30	53	−53	160·0	15·6	95	0=0	S.	
			1870	„ „ 28	3 20	30	46	...	...	...	...	...	...	
68	„	22 20 0	1800	„ „ 7	3 19	30	45	−57	156·9	15·5	89	−0=0	S.	Poor plate. The sensitive film has been in contact with broken plate.
			1824	„ „ 20	3 20	30	46	..	...	...	...	...	...	South of 23° 42′ the check plate seems to have been less sensitive. This zone was revised on plate 1839 and on the plates 132 and 133.
			1834	„ „ 21	3 5	20	...	...	...	...	...	...	...	*Clouded up.*
			1839	„ „ 22	3 28	35	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
69	—21·5	22 40 0	1871	1888 Nov. 28	3 15	30	44	—62	120·4	12·0	75	—o = o	S.	
			1902	„ Dec. 10	3 48	35	51	...	...	...	...	...	...	
			1883	„ „ 3	2 57	30	...	...	...	...	...	...	...	
70	„	23 0 0	1872	„ Nov. 28	3 31	30	48	—66	120·9	12·2	72	o = o	S.	
			1816	„ „ 19	3 30	30	48	...	...	...	...	...	...	
71	„	23 20 0	1825	„ „ 20	3 25	30	46	—70	136·5	13·7	78	o = o	S.	
			1840	„ „ 22	3 6	30	43	...	...	...	...	...	...	
72	„	23 40 0	1894	„ Dec. 7	3 5	30	42	—75	180·9	19·0	75	o = o	S.	
			1885	„ „ 3	3 10	30	43	...	...	...	...	...	...	
73	—26·5	0 0 0	2019	1889 Jan. 21	4 38	35	59	—81	127·6	13·0	72	—o = o	V.	
			2016	„ „ 19	4 29	48	58	...	...	...	...	...	...	*Hazy.*
74	„	0 22 30	2027	„ „ 22	4 10	35	54	—86	145·3	15·0	85	o = —o	V.	
			2036	„ „ 24	4 22	37	56	...	...	...	...	...	...	
			1641	1888 Sept. 15	—3 35	30	...	...	...	...	...	...	...	*Wrong setting.*
75	„	0 45 0	2051	1889 Jan. 30	4 12	35	54	—87	98·2	10·0	81	—o = o	V.	
			2045	„ „ 29	4 8	35	53	...	...	...	...	...	...	
76	„	1 7 30	1988	„ „ 11	3 31	34	46	—84	117·1	11·5	69	(o = o)	V.	
			1942	1888 Dec. 31	3 40	32	48	...	...	...	...	...	...	
77	„	1 30 0	2028	1889 Jan. 22	3 41	30	48	—79	119·8	12·0	82	—o = o or +o	V.	
			2000	„ „ 14	3 14	33	42	...	...	...	...	...	...	
78	„	1 52 30	1989	„ „ 11	3 24	33	44	—74	128·9	13·0	83	o = —o	V.	
			2020	„ „ 21	3 23	32	44	...	...	...	...	...	...	
79	„	2 15 0	2001	„ „ 14	3 6	30	40	—69	128·0	13·0	74	+o = —o	V.	
			1943	1888 Dec. 31	3 7	30	41	...	...	...	...	...	...	
80	„	2 37 30	1944	„ „ 31	3 27	30	45	—64	174·8	18·5	94	—o = o	V.	
			1990	1889 Jan. 11	3 15	30	42	...	...	...	...	...	...	
81	„	3 0 0	2053	„ „ 30	3 15	30	42	—59	163·0	17·0	80	—o = o or +o	V.	
			2092	„ Feb. 11	3 6	35	41	...	...	...	...	...	...	
			2062	„ Jan. 31	3 15	30	...	...	...	...	...	...	...	
82	„	3 22 30	2039	„ „ 24	3 12	30	42	—54	165·0	17·5	93	o = o	V.	
			1991	„ „ 11	3 5	30	40	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
83	—26·5	3 45 0	2031	1889 Jan. 22	3 12	30	42	—49	153·2	16·0	86	...	V.	Near edge of greatest R.A., stars on No. 2031 considerably larger than on No. 2040. For the rest m = c.
			2040	„ „ 24	3 27	30	45	...	...	...	...	...	...	
			2023	„ „ 21	3 17	30	...	...	...	...	...	...	...	
84	„	4 7 30	2154	„ Mar. 5	3 6	45	41	—44	155·5	15·6	96	o = o	V.	
			2010	„ Jan. 18	3 7	30	41	...	...	...	...	...	...	
			2049	„ „ 29	3 10	30	...	...	...	...	...	...	...	
85	„	4 30 0	2190	„ Mar. 22	3 4	38	40	—39	177·3	18·0	100	o = o	V.	
			2176	„ „ 15	3 20	40	43	...	...	...	...	...	...	
			2147	„ „ 2	3 18	72	...	...	...	...	...	...	...	*Cloudy at times. Poor plates.*
			2158	„ „ 6	3 2	45	...	...	...	...	...	...	...	
86	„	4 52 30	2191	„ „ 22	3 23	38	44	—35	169·8	17·0	91	o = o	V.	In zone 23° numerous star-like specks.
			2151	„ „ 4	3 14	45	42	...	...	...	...	...	...	
			2155	„ „ 5	3 15	50	...	...	...	...	...	...	...	
87	„	5 15 0	2174	„ „ 12	3 12	37·5	42	—30	179·0	18·0	102	—o = +o	V.	
			2177	„ „ 15	3 17	37·5	43	...	...	...	...	...	...	
			2159	„ „ 6	3 7	45	...	...	...	...	...	...	...	
88	„	5 37 30	2217	„ April 1	3 22	38	44	—25	185·7	19·0	107	...	V.	In the greater R.A. o = o; in the smaller R.A. —o = o or +o.
			2192	„ Mar. 22	3 20	40	43	...	..	...	...	...	...	
			2148	„ „ 2	3 22	60	...	...	...	...	...	...	...	*Poor plates.*
			2156	„ „ 5	3 28	55	...	...	...	...	...	...	...	
89	„	6 0 0	2178	„ „ 15	3 12	37·5	42	—20	172·0	17·0	109	o = o	V.	
			2227	„ April 3	2 59	38	39	...	...	...	...	...	...	
			2152	„ Mar. 4	2 59	50	...	...	...	...	...	...	...	*Poor plate.*
			2216	„ „ 28	3 28	45	...	...	...	...	...	...	...	*Hazy half time.*
90	„	6 22 30	2193	„ „ 22	3 16	38	42	—16	221·5	22·5	120	o = o	V.	
			2218	„ April 1	3 20	45	43	...	...	...	...	...	...	
			2153	„ Mar. 2	3 33	50	...	...	...	...	...	...	...	*Poor plate.*
91	„	6 45 0	2206	„ „ 26	3 15	38	42	—11	225·4	23·0	143	o = o	V.	
			2157	„ „ 5	3 18	45	43	...	...	...	...	...	...	
92	„	7 7 30	2219	„ April 1	3 20	39	43	— 7	259·8	26·7	162	o = —o	V.	
			2194	„ Mar. 22	3 11	38	42	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
93	—26·5	7 30 0	2207	1889 Mar. 26	3 11	38	42	— 2	260·7	26·8	156	0=0	V.	On check plate there is but a small number of stars south of 28° 54′. The zone 28° 50′ — 29·0 has been however measured also on plates δ = —31½.
			2249	" April 22	3 17	38	43	...	...	...	...	...	...	
			2212	" Mar. 27	3 11	38	...	...	...	...	...	...	...	*Bad plate.*
94	"	7 52 30	2220	" April 1	3 17	38	43	+ 2	244·5	25·0	136	0=0	V.	
			2250	" " 22	3 35	38	46	...	...	...	...	...	...	
			2213	" Mar. 27	3 31	38	...	...	...	...	...	...	...	*Bad plate.*
95	"	8 15 0	2251	" April 22	3 52	38	50	+ 6	220·6	22·0	128	0=0	V.	
			2208	" Mar. 26	3 8	38	41	...	...	...	...	...	...	
96	"	8 37 30	2221	" April 1	3 11	38	42	+10	195·9	20·0	115	0=0	V.	
			2233	" " 8	3 18	37	43	...	...	...	...	...	...	
97	"	9 0 0	3036	1891 June 19	3 40	45	47	+14	201·6	20·0	117	0=0	V.	*Definition good; hazy at times.*
			3030	" " 15	3 46	40	49	...	...	...	...	...	...	*Definition very good.*
			1374	1888 " 19	3 40	30	...	...	...	...	...	...	...	
			1383	" " 20	3 31	30	...	..	...	...	..	...	...	
98	"	9 22 30	1375	" " 19	3 57	30	51	+18	117·4	12·0	113	—0=—1 or 1	V.	
			2252	1889 April 22	3 25	38	44	...	...	...	...	...	...	
			1392	1888 June 21	3 17	30	...	...	...	...	...	...	...	
99	"	9 45 0	2253	1889 April 22	3 43	38	48	+22	187·2	19·0	108	0=0	V.	
			2343	" May 24	3 37	38	47	...	...	..	...	...	...	
			1384	1888 June 20	3 21	30	...	...	...	...	...	...	...	
			1403	" " 30	3 43	30	...	...	...	...	..	...	...	
			2331	1889 May 23	4 9	38	...	...	...	...	...	...	...	*Wrong guiding star.*
100	"	10 7 30	3035	1891 June 16	3 2	50	40	+25	230·1	23·0	118	0=0	V.	*Definition very good; hazy.*
			3031	" " 15	3 24	40	44	...	...	...	...	...	...	*Definition very good.*
			1376	1888 " 19	3 47	30	...	...	...	...	...	...	...	
			1385	" " 20	3 33	30	...	...	...	...	...	...	...	
			1393	" " 21	3 7	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
101	—26·5	10 30 0	1404	1888 June 30	3 33	30	46	+28	122·5	13·0	95	—0=+0	V.	South of 23° 40′ the difference of the diameters still somewhat more considerable.
			1433	" July 13	3 31	30	46	...	...	...	...	...	...	
			1394	" June 21	3 20	30	...	...	...	...	...	...	...	
102	"	10 52 30	1424	" July 12	3 30	30	46	+30	135·3	13·6	100	0=0	V.	
			1414	" " 11	3 6	30	41	...	...	...	...	...	...	
			1386	" June 20	3 26	30	...	...	...	...	...	...	...	
103	"	11 15 0	1395	" " 21	3 10	30	41	+32	146·0	14·5	106	0=0	V.	
			1425	" July 12	3 31	30	46	...	...	...	...	...	...	
			1415	" " 11	3 20	30	...	...	...	...	...	...	...	
104	"	11 37 30	1416	" " 11	3 35	30	47	+34	140·9	14·5	100	—0=0 or +0	V.	
			1434	" " 13	3 5	30	40	...	...	...	...	...	...	
			1387	" June 20	3 18	30	...	...	...	...	...	...	...	
			1396	" " 21	3 24	30	...	...	...	...	...	...	...	
105	"	12 0 0	1443	" July 16	3 36	30	47	+35	172·5	17·4	110	—0=0	V.	Images ill-defined.
			1460	" " 18	3 4	30	40	...	...	...	...	...	...	
			1469	" " 19	2 58	30	...	...	...	...	...	...	...	Bad; double.
106	"	12 22 30	1427	" " 12	3 44	30	48	+35	144·5	14·5	101	0=0	V.	
			1435	" " 13	3 2	30	40	...	...	...	...	...	...	
			1461	" " 18	3 7	30	...	...	..	...	...	...	...	
107	"	12 45 0	1428	" " 12	3 59	30	52	+36	169·9	17·0	100	(0=0)	V.	
			1444	" " 16	3 27	30	45	...	...	...	...	...	...	
			1436	" " 13	3 15	30	...	...	...	...	...	...	...	
108	"	13 7 30	1454	" " 17	3 37	30	47	+36	172·9	17·5	108	0=0	V.	
			1558	" Aug. 17	3 27	30	45	...	...	...	...	...	...	
			1490	" July 23	3 45	30	...	...	...	...	...	...	...	
109	"	13 30 0	1445	" " 16	3 17	30	43	+35	145·8	14·6	105	0=0	V.	Numerous star-like specks.
			1359	" June 8	3 39	30	47	...	...	...	...	...	...	
			1437	" July 13	3 17	30	...	...	...	...	...	...	...	
110	"	13 52 30	1455	" " 17	3 26	30	45	+34	169·1	17·4	115	0=0	V.	
			1559	" Aug. 17	3 20	30	43	...	...	...	...	...	...	
			1472	" July 19	3 6	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
111	—26·5	14 15 0	1446	1888 July 16	3 10	30	41	+32	156·0	16·0	113	o=o	V.	
			1464	„ „ 18	3 26	30	45	...	...	...	...	...	...	
112	„	14 37 30	1506	„ „ 28	3 10	30	41	+29	169·3	17·4	113	o=o	S.	**Measurements difficult owing to specks and stains.**
			1550	„ Aug. 16	3 9	30	41	...	...	...	...	...	...	
			1523	„ „ 4	3 10	37	...	...	...	...	...	...	...	*Last* 17ᵐ *hazy. Wrong guiding star.*
113	„	15 0 0	1560	„ „ 17	2 53	30	38	+27	130·0	13·0	103	—o=o	S.	
			1551	„ „ 16	3 22	30	44	...	...	...	...	...	...	
114	„	15 22 30	1533	„ „ 9	3 33	30	46	+23	152·3	15·5	108	o=o	S.	
			1543	„ „ 10	3 20	30	43	...	...	...	...	...	...	
115	„	15 45 0	1552	„ „ 16	3 15	30	42	+20	215·5	23·0	120	o=o	S.	
			1577	„ „ 20	3 48	30	49	...	...	...	...	...	...	
116	„	16 7 30	1676	„ Oct. 1	3 21	30	43	+17	189·7	20·0	110	o=o	S.	
			1562	„ Aug. 17	3 20	30	43	...	...	...	...	...	...	
117	„	16 30 0	1590	„ „ 22	3 25	30	44	+13	146·6	14·6	117	o=o	S.	
			1701	„ Oct. 4	3 39	30	47	...	...	...	...	...	...	
118	„	16 52 30	1702	„ „ 4	3 52	30	50	+ 9	167·5	17·2	124	o=o	S.	
			1736	„ „ 23	4 26	40	57	...	...	...	...	...	...	*Partly clouded.*
119	„	17 15 0	1677	„ „ 1	3 26	30	45	+ 5	163·5	16·0	109	o=o	S.	
			1770	„ „ 31	5 5	40	65	...	...	...	...	...	...	
			1760	„ „ 30	4 50	35	...	...	...	...	...	...	...	
120	„	17 37 30	1694	„ „ 3	3 15	30	42	+ 1	224·7	22·4	112	o=o	V.	
			1678	„ „ 1	3 43	30	48	...	...	...	...	...	...	
121	„	18 0 0	1695	„ „ 3	3 27	30	45	— 4	183·0	18·0	152	(o=o)	V.	
			1703	„ „ 4	3 22	30	44	...	...	...	...	...	...	
122	„	18 22 30	1679	„ „ 1	3 36	30	47	— 8	170·5	17·0	122	o=o	V.	
			1761	„ „ 30	4 32	35	58	...	...	...	...	...	...	
123	„	18 45 0	1704	„ „ 4	3 15	30	42	—13	163·8	16·5	108	o=o	V.	
			1696	„ „ 3	3 18	30	43	...	...	...	...	...	...	
124	„	19 7 30	1762	„ „ 30	4 24	35	57	—17	168·3	16·5	121	o=o	V.	
			1680	„ „ 1	3 27	30	45	...	...	...	...	...	...	
125	„	19 30 0	1771	„ „ 31	3 31	30	46	—22	121·5	12·0	110	—o=+o	V.	
			1705	„ „ 4	3 5	30	40	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	C	n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
126	—26·5	19 52 30	1845	1888 Nov. 24	4 35	40	59	—27	160·9	16·0	114	—0 = 0	V.	
			1859	„ „ 27	4 44	40	61	...	...	...	...	...	...	
127	„	20 15 0	1763	„ Oct. 30	3 53	30	50	—31	164·2	16·5	98	—0 = 0	V.	
			1772	„ „ 31	3 22	30	44	...	...	...	...	...	...	
128	„	20 37 30	1789	„ Nov. 5	3 35	30	47	—36	122·0	12·0	107	0 = 0	V.	
			1773	„ Oct. 31	3 42	40	48	...	...	...	...	...	...	
129	„	21 0 0	1764	„ „ 30	3 44	30	49	—41	144·0	14·1	93	0 = 0	V.	Numerous star-like specks.
			1781	„ Nov. 1	3 22	30	44	...	...	...	...	...	...	
130	„	21 22 30	1782	„ „ 1	3 36	30	47	—46	117·6	10·7	95	0 = 0	S.	
			1790	„ „ 5	3 27	30	45	...	...	...	...	...	...	
131	„	21 45 0	1846	„ „ 24	3 23	30	44	—51	142·0	13·2	100	1 = —0	S.	
			1940	„ Dec. 31	5 37	40	71	...	...	...	...	...	...	
			1860	„ Nov. 27	3 32	30	...	...	...	...	...	...	...	
132	„	22 7 30	1847	„ „ 24	3 37	30	47	—56	152·7	15·5	98	—0 = —1	S.	
			1791	„ „ 5	3 17	30	43	...	...	...	...	...	...	
133	„	22 30 0	1861	„ „ 27	3 23	30	44	—61	125·4	12·5	87	...	S.	In some places —1 = —0, in others, images nearly equal.
			1997	1889 Jan. 12	5 30	40	70	...	...	...	...	...	...	
134	„	22 52 30	1848	1888 Nov. 24	3 27	30	45	—66	128·3	12·5	74	—0 = +0	S.	
			1862	„ „ 27	3 36	31	47	...	...	...	...	...	...	
			1639	„ Dec. 3	—3 32	30	...	...	...	...	...	...	...	*Error in adjustment.*
135	„	23 15 0	1999	1889 Jan. 14	4 49	38	62	—71	180·9	19·1	72	0 = 0	S.	Images on measuring plate very ill-defined. Estimates in 2[d] obs. made on check plate.
			1884	1888 Dec. 3	2 59	30	39	...	...	...	...	...	...	
			1941	„ „ 31	4 54	38	...	...	...	...	...	...	...	
136	„	23 37 30	1849	„ Nov. 24	3 19	30	43	—76	136·3	14·0	60	—0 = —1	S.	
			1863	„ „ 27	3 25	30	44	...	...	...	...	...	...	
			1640	„ Sept. 15	—3 30	40	...	...	...	..	...	...	...	*Wrong setting.*
137	—31·5	0 0 0	1919	„ Dec. 19	3 25	30	43	—80	101·4	10·0	77	0 = 0	V.	
			1909	„ „ 14	3 22	30	42	...	...	...	...	...	...	
			1615	„ Aug. 31	—3 15	30	...	...	...	...	...	...	...	*Wrong setting.*
			1620	„ Sept. 4	—4 5	30	...	...	...	...	...	...	...	*Wrong setting.*
			1632	„ „ 14	—3 42	30	...	...	...	...	...	...	...	*Wrong setting.*

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
111	—26·5	14 15 0	1446	1888 July 16	3 10	30	41	+32	156·0	16·0	113	0=0	V.	
			1464	„ „ 18	3 26	30	45	...	...	...	...	...	...	
112	„	14 37 30	1506	„ „ 28	3 10	30	41	+29	169·3	17·4	113	0=0	S.	**Measurements difficult owing to specks and stains.**
			1550	„ Aug. 16	3 9	30	41	...	...	...	...	...	..	
			1523	„ „ 4	3 10	37	...	...	...	...	...	...	...	*Last 17m hazy. Wrong guiding star.*
113	„	15 0 0	1560	„ „ 17	2 53	30	38	+27	130·0	13·0	103	—0=0	S.	
			1551	„ „ 16	3 22	30	44	...	...	...	...	...	...	
114	„	15 22 30	1533	„ „ 9	3 33	30	46	+23	152·3	15·5	108	0=0	S.	
			1543	„ „ 10	3 20	30	43	...	...	...	...	...	...	
115	„	15 45 0	1552	„ „ 16	3 15	30	42	+20	215·5	23·0	120	0=0	S.	
			1577	„ „ 20	3 48	30	49	...	...	...	...	...	...	
116	„	16 7 30	1676	„ Oct. 1	3 21	30	43	+17	189·7	20·0	110	0=0	S.	
			1562	„ Aug. 17	3 20	30	43	...	...	...	...	...	...	
117	„	16 30 0	1590	„ „ 22	3 25	30	44	+13	146·6	14·6	117	0=0	S.	
			1701	„ Oct. 4	3 39	30	47	...	...	...	...	...	...	
118	„	16 52 30	1702	„ „ 4	3 52	30	50	+ 9	167·5	17·2	124	0=0	S.	
			1736	„ „ 23	4 26	40	57	...	...	...	...	...	...	*Partly clouded.*
119	„	17 15 0	1677	„ „ 1	3 26	30	45	+ 5	163·5	16·0	109	0=0	S.	
			1770	„ „ 31	5 5	40	65	...	...	...	...	...	...	
			1760	„ „ 30	4 50	35	...	...	...	...	...	...	...	
120	„	17 37 30	1694	„ „ 3	3 15	30	42	+ 1	224·7	22·4	112	0=0	V.	
			1678	„ „ 1	3 43	30	48	...	...	...	...	...	...	
121	„	18 0 0	1695	„ „ 3	3 27	30	45	— 4	183·0	18·0	152	(0=0)	V.	
			1703	„ „ 4	3 22	30	44	...	...	...	...	...	...	
122	„	18 22 30	1679	„ „ 1	3 36	30	47	— 8	170·5	17·0	122	0=0	V.	
			1761	„ „ 30	4 32	35	58	...	...	...	...	...	...	
123	„	18 45 0	1704	„ „ 4	3 15	30	42	—13	163·8	16·5	108	0=0	V.	
			1696	„ „ 3	3 18	30	43	...	...	...	...	...	...	
124	„	19 7 30	1762	„ „ 30	4 24	35	57	—17	168·3	16·5	121	0=0	V.	
			1680	„ „ 1	3 27	30	45	...	...	...	...	...	...	
125	„	19 30 0	1771	„ „ 31	3 31	30	46	—22	121·5	12·0	110	—0=+0	V.	
			1705	„ „ 4	3 5	30	40	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
126	—26·5	19 52 30	1845	1888 Nov. 24	4 35	40	59	—27	160·9	16·0	114	—0=0	V.	
			1859	" " 27	4 44	40	61	...	...	...	...	...	...	
127	"	20 15 0	1763	" Oct. 30	3 53	30	50	—31	164·2	16·5	98	—0=0	V.	
			1772	" " 31	3 22	30	44	...	...	...	...	...	...	
128	"	20 37 30	1789	" Nov. 5	3 35	30	47	—36	122·0	12·0	107	0=0	V.	
			1773	" Oct. 31	3 42	40	48	...	...	...	...	...	...	
129	"	21 0 0	1764	" " 30	3 44	30	49	—41	144·0	14·1	93	0=0	V.	Numerous star-like specks.
			1781	" Nov. 1	3 22	30	44	...	...	...	...	...	...	
130	"	21 22 30	1782	" " 1	3 36	30	47	—46	117·6	10·7	95	0=0	S.	
			1790	" " 5	3 27	30	45	...	...	...	...	...	...	
131	"	21 45 0	1846	" " 24	3 23	30	44	—51	142·0	13·2	100	1=—0	S.	
			1940	" Dec. 31	5 37	40	71	...	...	...	...	...	...	
			1860	" Nov. 27	3 32	30	...	...	...	...	...	...	...	
132	"	22 7 30	1847	" " 24	3 37	30	47	—56	152·7	15·5	98	—0=—1	S.	
			1791	" " 5	3 17	30	43	...	...	...	...	...	...	
133	"	22 30 0	1861	" " 27	3 23	30	44	—61	125·4	12·5	87	...	S.	In some places —1=—0, in others, images nearly equal.
			1997	1889 Jan. 12	5 30	40	70	...	...	...	...	...	...	
134	"	22 52 30	1848	1888 Nov. 24	3 27	30	45	—66	128·3	12·5	74	—0=+0	S.	
			1862	" " 27	3 36	31	47	...	...	...	...	...	...	
			1639	" Dec. 3	—3 32	30	...	...	...	...	...	...	...	*Error in adjustment.*
135	"	23 15 0	1999	1889 Jan. 14	4 49	38	62	—71	180·9	19·1	72	0=0	S.	Images on measuring plate very ill-defined. Estimates in 2ᵈ obs. made on check plate.
			1884	1888 Dec. 3	2 59	30	39	...	...	...	...	...	...	
			1941	" " 31	4 54	38	...	...	...	...	...	...	...	
136	"	23 37 30	1849	" Nov. 24	3 19	30	43	—76	136·3	14·0	60	—0=—1	S.	
			1863	" " 27	3 25	30	44	...	...	...	...	...	...	
			1640	" Sept. 15	—3 30	40	...	...	...	..	...	...	...	*Wrong setting.*
137	—31·5	0 0 0	1919	" Dec. 19	3 25	30	43	—80	101·4	10·0	77	0=0	V.	
			1909	" " 14	3 22	30	42	...	...	...	...	...	...	
			1615	" Aug. 31	—3 15	30	...	...	...	...	...	...	...	*Wrong setting.* (1615, 1620, 1632)
			1620	" Sept. 4	—4 5	30	...	...	...	...	...	...	...	
			1632	" " 14	—3 42	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	c	°						
138	—31·5	0 24 0	1979	1889 Jan. 9	4 24	35	55	—84	99·7	10·0	69	o=o	V.	
			1964	„ „ 7	3 56	33	49	...	...	...	...	...	...	
			1621	1888 Sept. 4	—3 50	30	...	...	...	...	...	...	...	*Wrong setting.*
			1633	„ „ 14	—3 29	30	...	...	...	...	...	...	...	
			1716	„ Oct. 9	—3 45	30	...	...	...	...	...	...	...	
139	„	0 48 0	1933	„ Dec. 29	4 7	35	51	—85	112·7	11·0	69	o=o	V.	
			1910	„ „ 13	3 9	30	39	...	...	...	...	...	...	
			1634	„ Sept. 14	—3 43	30	...	...	...	...	...	...	...	*Wrong setting.*
140	„	1 12 0	1970	1889 Jan. 8	3 14	32	41	—82	106·7	10·0	80	o=o	V.	
			1911	1888 Dec. 13	3 21	30	42	...	...	...	...	...	...	
141	„	1 36 0	1965	1889 Jan. 7	3 24	35	43	—77	142·1	14·3	83	...	V.	Images nearly equal except in corner of greatest α and smallest southern δ, where —o=+o.
			1952	„ „ 5	3 14	30	40	...	...	...	...	...	...	
142	„	2 0 0	1980	„ „ 9	3 29	32	44	—72	127·0	12·7	98	(o=o)	V.	
			1971	„ „ 8	3 5	32	39	...	...	...	...	...	...	
			1953	„ „ 5	3 25	30	...	...	...	...	...	...	...	*Damaged.*
143	„	2 24 0	1934	1888 Dec. 29	3 7	30	39	—67	122·1	12·1	101	(o=o)	V.	
			1972	1889 Jan. 8	3 16	32	41	...	...	...	...	...	...	
			1981	„ „ 9	3 42	33	...	...	...	...	...	...	...	
144	„	2 48 0	1954	„ „ 5	3 13	30	41	—62	141·4	13·5	78	...	V.	In corner of smallest southern δ and great α—1=—o; for the rest, images more nearly equal.
			1935	1888 Dec. 29	3 17	30	41	...	...	...	...	...	...	
145	„	3 12 0	1973	1889 Jan. 8	3 3	30	39	—57	120·9	11·8	93	+o=—o	V.	
			2073	„ Feb. 5	3 25	30	43	...	...	...	...	...	...	
			2084	„ „ 8	3 39	32	...	...	...	...	...	...	...	
146	„	3 36 0	2063	„ Jan. 31	3 15	30	41	—52	116·7	11·5	106	o=o	V.	
			1982	„ „ 9	3 7	30	39	...	...	...	...	...	...	
147	„	4 0 0	2075	„ Feb. 5	3 45	30	47	—47	176·8	17·7	104	o=o	V.	
			2064	„ Jan. 31	3 26	30	43	...	...	...	...	...	...	
148	„	4 24 0	2188	„ Mar. 21	3 41	40	46	—42	140·3	13·8	113	o=o	V.	
			2182	„ „ 18	3 31	40	44	...	...	...	...	...	...	
			2186	„ „ 19	3 6	40	...	..	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
149	−31·5	4 48 0	2214	1889 Mar. 28	3 16	38	41	−37	134·0	12·5	109	0 = 0	V.	
			2200	„ „ 25	3 37	38	45	...	...	...	...	...	...	
			2187	„ „ 19	3 20	35	...	...	...	...	...	...	...	*Cloudy.*
150	„	5 12 0	2183	„ „ 18	3 37	62	45	−32	128·1	12·0	110	−0 = 0	V.	*Cloud mid. exp.*
			2209	„ „ 27	3 25	38	43	...	...	...	...	...	...	
			2163	„ „ 7	3 20	45	...	...	...	...	...	...	...	*Poor plate.*
151	„	5 36 0	2175	„ „ 12	3 36	45	45	−27	153·8	15·0	117	0 = 0	V.	*Interrupted.*
			2215	„ „ 28	3 8	38	39	...	...	...	...	...	...	
			2160	„ „ 6	3 34	45	...	...	...	...	...	...	...	*Poor plate.*
			2189	„ „ 21	3 4	23	...	...	...	...	...	...	...	
			2201	„ „ 25	3 32	40	...	...	...	...	...	...	...	*Zones* 151 *and* 152 *on one plate.*
152	„	6 0 0	2210	„ „ 27	3 19	38	42	−22	168·1	16·5	121	0 = 0	V.	
			2205	„ „ 26	3 19	38	41	...	...	...	...	...	...	
			1303	1888 May 3	4 8	30	...	...	...	...	...	...	...	*Wrong guiding star.*
			1310	„ „ 8	4 20	30	...	...	...	...	...	...	...	*Poor plate.*
			2164	1889 Mar. 7	3 22	45	...	...	...	...	...	...	...	„ „
			2201	„ „ 25	3 51	40	...	...	...	...	...	...	...	*Zones* 151 *and* 152 *on one plate.*
153	„	6 24 0	2184	„ „ 18	3 20	37·5	42	−17	164·5	16·4	119	0 = 0	V.	
			2179	„ „ 15	3 30	40	44	...	...	...	...	...	...	
154	„	6 48 0	2161	„ „ 6	3 10	35	40	−12	133·7	14·0	128	...	S.	Half plate of greatest R.A. − 0 = + 0; other half 0 = 0.
			2180	„ „ 15	3 48	40	47	...	...	...	...	...	...	
			1304	1888 May 3	3 56	30	...	...	...	...	...	...	...	*Wrong guiding star.*
			1326	„ „ 30	4 1	30	...	..	...	...	...	...	...	„ „ „
			2165	„ Mar. 7	3 24	45	...	...	...	...	...	...	...	
155	„	7 12 0	1327	„ May 30	4 14	30	53	− 8	180·2	19·0	143	−0 = +0	S.	Images on measuring plate tailed.
			2185	1889 Mar. 18	3 10	35	40	...	...	...	...	...	...	
			1311	1888 May 8	3 48	30	...	...	...	...	...	...	...	
156	„	7 36 0	1322	„ „ 9	3 25	30	43	− 4	187·4	19·0	148	−0 = 0	S.	
			2203	1889 Mar. 25	3 14	40	40	...	...	...	...	...	...	
			1302	1888 May 3	...	21	...	...	...	...	...	...	...	*Exp.* $2^h\ 58^m$ — $3^h\ 13^m$; 3·50 — 52; 4·14 — 18.
			1312	„ „ 8	4 5	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
		h m s			h m	m	°	°						
157	—31·5	8 0 0	1336	1888 May 31	3 5	30	39	+ 1	203·7	21·0	147	(0=—0)	S.	
			1323	„ „ 9	3 39	34	46	...	...	...	...	...	...	*Haze at end.*
158	„	8 24 0	2204	1889 Mar. 25	2 58	37	38	+ 5	198·6	20·0	157	0=—0	S.	
			1337	1888 May 31	3 18	30	41	...	...	...	...	...	...	
			1328	„ „ 30	3 41	30	...	...	...	...	...	...	...	
159	„	8 48 0	1338	„ „ 31	3 32	30	44	+ 9	196·9	20·0	129	—0=0	S.	
			2234	1889 Apr. 8	3 46	38	47	...	...	...	...	...	...	
			1329	1888 May 30	3 52	30	...	...	...	...	...	...	...	
160	„	9 12 0	1363	„ June 18	3 25	30	43	+13	177·0	18·3	124	—0=0	S.	
			1339	„ May 31	3 49	30	48	...	...	...	...	...	...	
			1313	„ „ 8	3 47	30	...	...	...	...	...	...	...	
			1347	„ June 7	3 39	30	...	...	...	...	...	...	...	
161	„	9 36 0	1356	„ „ 8	3 16	30	41	+16	160·1	15·5	134	0=0	S.	
			1330	„ May 30	3 51	30	48	...	...	...	...	...	...	
162	„	10 0 0	1364	„ June 18	3 12	30	40	+20	152·2	15·0	123	0=0	S.	
			1357	„ „ 8	3 27	30	43	...	...	...	...	...	...	
			1348	„ „ 7	3 26	30	...	...	...	...	...	...	...	
163	„	10 24 0	1349	„ „ 7	3 40	30	46	+23	148·4	15·0	122	0=0	S.	
			1365	„ „ 18	3 24	30	42	...	...	...	...	...	...	
			1377	„ „ 19	4 7	30	...	...	...	...	...	...	...	
164	„	10 48 0	1366	„ „ 18	3 45	30	47	+25	168·2	16·4	123	0=0	S.	
			1442	„ July 16	3 39	30	46	...	...	...	...	...	...	
			1405	„ June 30	3 54	30	...	...	...	...	...	...	...	
165	„	11 12 0	1350	„ „ 7	3 29	30	44	+27	159·9	16·0	111	0=0	S.	
			1367	„ „ 18	3 46	30	47	...	...	...	...	...	...	
166	„	11 36 0	1378	„ June 19	3 33	30	44	+29	120·9	12·0	114	—0=+0 or —1	S.	
			1368	„ „ 18	3 59	30	50	...	...	...	...	...	...	
			1351	„ „ 7	3 45	30	...	...	...	...	...	...	...	
167	„	12 0 0	1406	„ „ 30	3 17	30	41	+30	126·5	13·5	102	...	S.	On check plate images double. Both images denser than those of measuring plate.
			1451	„ July 17	2 58	30	37	...	...	...	...	...	...	
			1426	„ „ 12	3 31	30	...	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
168	−31·5	12 24 0	1417	1888 July 11	3 27	30	43	+31	217·3	23·0	127	...	S.	In the mean —o=1. At edge of greatest R.A. —o = — 2.
			1452	„ „ 17	3 7	30	39	...	...	...	...	...	...	
			1407	„ June 30	3 31	30	...	...	...	...	...	...	...	
169	„	12 48 0	1453	„ July 17	3 20	30	42	+31	174·4	18·0	121	o = o	S.	
			1529	„ Aug. 9	3 43	30	46	...	...	...	...	...	...	
			1470	„ July 19	2 59	30	...	...	...	...	...	...	...	
170	„	13 12 0	1418	„ „ 11	3 17	30	41	+31	181·7	19·0	127	o = o	S.	
			1514	„ Aug. 3	3 22	30	42	...	...	...	...	...	...	
			1358	„ June 8	3 28	30	...	...	...	...	...	...	...	
171	„	13 36 0	1463	„ July 18	3 37	30	45	+30	121·8	12·0	127	—o=+o	S.	
			1483	„ „ 20	3 57	30	49	...	...	...	...	...	...	
			1481	„ „ 20	3 21	30	...	...	...	...	...	...	...	
172	„	14 0 0	1515	„ Aug. 3	3 36	30	45	+28	225·4	24·0	137	—o = o or +o	S.	
			1530	„ „ 9	3 7	30	39	...	...	...	...	...	...	
			1491	„ July 23	3 28	30	...	...	...	...	...	...	...	
173	„	14 24 0	1531	„ Aug. 9	3 17	30	41	+26	190·8	20·0	129	o = o	S.	Numerous star-like specks.
			1516	„ „ 3	3 23	30	42	...	...	...	...	...	...	
			1482	„ July 20	3 9	30	...	...	...	...	...	...	...	
174	„	14 48 0	1542	„ Aug. 10	3 16	30	41	+24	185·3	19·0	117	o = o	S.	Numerous star-like specks.
			1532	„ „ 9	3 30	30	44	...	...	...	...	...	...	
175	„	15 12 0	3047	1891 June 26	1 2	37	13	+21	273·4	28·0	92	o = o	V.	*Definition good.* } Numerous star-like specks.
			3051	„ „ 29	1 10	35	15	...	...	...	...	...	...	*Definition fair.* }
			1507	1888 July 28	3 9	30	...	...	...	...	...	...	...	
			1517	„ Aug. 3	3 10	27	...	...	...	...	...	...	...	
176	„	15 36 0	1576	„ „ 20	3 21	30	42	+18	157·9	16·5	125	—o=+o	S.	
			1561	„ „ 17	3 8	30	39	...	...	...	...	...	...	
177	„	16 0 0	1498	„ July 25	3 40	30	46	+14	156·3	16·0	137	o = —o	S.	
			1508	„ „ 28	2 58	30	37	...	...	...	...	...	...	
178	„	16 24 0	1578	„ Aug. 20	3 43	30	47	+11	155·2	16·0	130	o = o	S.	
			1710	„ Oct. 5	3 50	40	48	...	...	...	...	...	...	
179	„	16 48 0	1499	„ July 25	3 30	30	44	+ 7	166·5	17·0	147	(o = o)	S.	
			1711	„ Oct. 5	4 12	40	52	...	...	...	...	...	...	

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
180	—31·5	17 12 0	1742	1888 Oct. 22	4 40	35	58	+ 3	182·2	18·0	154	(0=0)	S.	
			1500	„ July 25	3 43	30	46	...	...	...	...	...	...	
181	„	17 36 0	1743	„ Oct. 25	4 54	35	61	— 2	194·4	19·3	147	0=0	S.	
			1778	„ Nov. 1	4 48	37^5	59	...	...	...	...	...	...	
182	„	18 0 0	1787	„ „ 5	4 45	40	59	— 6	185·0	18·0	150	0=—0	S.	
			1737	„ Oct. 23	4 27	38	55	...	...	...	...	...	...	
			1712	„ „ 5	3 52	50	...	...	...	...	...	...	...	*Hazy.*
183	„	18 24 0	1810	„ Nov. 14	5 8	45	64	—11	192·6	19·0	151	—0=—1	S.	*Part hazy.* Images ill-defined. Estimates of diameter uncertain.
			1796	„ „ 7	4 16	40	53	...	...	...	...	...	...	
184	„	18 48 0	1788	„ „ 5	4 42	40	58	—15	173·0	17·0	122	0=0	S.	
			1779	„ „ 1	4 18	35	53	...	...	...	...	...	...	
185	„	19 12 0	1744	„ Oct. 25	3 48	30	47	—20	176·6	17·4	120	0=0	S.	
			1727	„ „ 22	3 38	30	45	...	...	...	...	...	...	
186	„	19 36 0	1797	„ Nov. 7	4 10	40	52	—25	142·9	14·0	117	0=—0	S.	
			1697	„ Oct. 3	4 5	30	51	...	...	...	...	...	...	
187	„	20 0 0	1745	„ „ 25	3 47	30	47	—30	159·0	15·5	96	0=0	S.	
			1728	„ „ 22	3 27	30	43	...	...	...	...	...	...	
188	„	20 24 0	1753	„ „ 29	3 18	30	41	—35	191·8	19·4	112	—0=0	S.	
			1780	„ Nov. 1	3 21	30	42	...	...	...	...	...	...	
189	„	20 48 0	1746	„ Oct. 25	3 40	40	46	—40	127·0	12·0	98	0=0	S.	
			1729	„ „ 22	3 15	30	41	...	...	...	...	...	...	
190	„	21 12 0	1754	„ „ 29	3 7	30	39	—45	156·2	15·0	106	—0=0	S.	
			1730	„ „ 22	3 28	30	43	...	...	...	...	...	...	
			1604	„ Aug. 28	—3 31	32	...	...	...	...	...	...	...	} *Error in adjustment.*
			1617	„ Sept. 4	—3 13	30	...	...	...	...	...	...	...	
191	„	21 36 0	1931	„ Dec. 29	5 43	42	70	—50	191·5	19·5	91	In the mean —0=0	S.	On measuring plate images ill-defined. In 2nd observation estimates of diameter made on check plate.
			1755	„ Oct. 29	3 19	30	41	...	...	...	...	...	...	
			1605	„ Aug. 28	—3 16	30	...	...	...	...	...	...	...	*Error.*

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β_t	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
192	−31·5	22 0 0	1963	1889 Jan. 7	5 37	42	69	−55	137·0	14·0	97	...	S.	On measuring plate images multiple.
			1950	" " 5	5 30	40	67	...	...	...	...	...	...	In 2nd observation estimates of diameter made on check plate.
			1630	1888 Sept. 14	−3 0	30	...	...	...	...	...	...	...	*Error.*
193	"	22 24 0	1969	1889 Jan. 8	5 20	40	66	−60	151·9	15·0	85	0=0	S.	Images in the larger R.A. sharper than
			1987	" " 11	5 32	42	68	...	...	...	...	...	...	elsewhere. Plates very dark.
			1606	1888 Aug. 28	−3 26	30	...	...	...	...	...	...	...	
			1618	" Sept. 4	−3 49	30	...	...	...	...	...	...	...	*Error.*
			1619	" " 4	−3 15	30	...	...	...	...	...	...	...	
194	"	22 48 0	1918	" Dec. 19	4 0	35	50	−65	104·6	10·0	71	−1=−0	S.	
			1932	" " 29	5 6	40	63	...	...	...	...	...	...	
			1607	" Aug. 28	−3 13	30	...	...	...	...	...	...	...	
			1613	" " 31	−3 19	30	...	...	...	...	...	...	...	
195	"	23 12 0	1951	1889 Jan. 5	5 1	37^{s}	62	−70	110·5	10·0	68	0=0	S.	Images of the brighter stars
			1917	1888 Dec. 18	4 5	40	51	...	...	...	...	...	...	denser on measuring plate.
			1614	" Aug. 31	−3 0	40	...	...	...	...	...	...	...	
			1631	" Sept. 14	−3 33	30	...	...	...	...	...	...	...	
			1873	" Nov. 28	3 57	30	...	...	...	...	...	...	...	*Wrong guiding star.*
196	"	23 36 0	1908	" Dec. 13	3 11	30	40	−75	127·2	12·0	73	0=0	S.	
			1903	" " 10	3 35	30	45	...	...	...	...	...	...	
			1608	" Aug. 28	−3 26	30	...	...	...	...	...	...	...	*Error.*
197	−35·5	0 0 0	2489	1890 Jan. 28	4 43	40	57	−78	100·8	10·0	44	0=0	V.	*Definition fair.*
			2481	" " 18	4 14	37	51	...	...	...	...	...	...	*Definition bad.*
			2993	" Dec. 19	5 8	45	...	...	...	...	...	...	...	*Definition fair.*
198	"	0 25 16	2496	" Jan. 30	3 18	37	40	−81	173·4	18·0	59	0=−0	V.	*Definition good.*
			2501	" Feb. 6	5 1	42	60	...	...	...	...	...	...	*Definition very bad.*
199	"	0 50 32	2505	" " 8	4 46	42	57	−82	157·0	16·0	46	−0=+0	V.	" "
			2490	" Jan. 28	4 40	40	56	...	...	...	...	...	...	*Definition fair.*
			2482	" " 18	3 53	37	...	...	...	...	...	...	...	*Definition bad.*
200	"	1 15 47	2509	" Feb. 11	4 36	45	55	−79	153·1	16·0	61	0=0	V.	*Cloudy.*
			2502	" " 6	4 51	40	58	...	...	...	...	...	...	*Definition very bad.*

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
201	−35·5	1 41 3	2483	1890 Jan. 18	3 52	37	47	−75	139·6	14·4	63	−0=0	V.	*Definition bad.*
			2491	„ „ 28	4 34	38	55	...	...	...	...	...	...	*Definition fair.*
202	„	2 6 19	2506	„ Feb. 8	4 14	37	52	−70	168·0	17·3	62	−0=0	V.	*Definition very bad.*
			2503	„ „ 6	4 42	40	57	...	...	...	...	...	...	„ „
			2484	„ Jan. 18	4 7	37	...	...	...	...	...	...	...	*Definition bad.*
203	„	2 31 35	2492	„ „ 28	4 26	37	54	−65	134·2	13·5	68	0=0	V.	*Definition fair.*
			2504	„ Feb. 6	5 2	40	60	...	...	...	...	...	...	*Definition very bad.*
204	„	2 56 51	2487	„ Jan. 21	3 24	37	42	−60	130·9	13·0	60	0=0	V.	„ „
			2507	„ Feb. 8	4 1	37	49	...	...	...	...	...	...	„ „
205	„	3 22 6	2488	„ Jan. 21	3 36	37	44	−55	153·4	15·7	73	0=0	V.	„ „
			2485	„ „ 18	3 32	37	43	...	...	...	...	...	...	*Definition bad.*
206	„	3 47 22	2493	„ „ 28	3 53	37	47	−50	126·3	12·0	58	0=0	V.	*Definition fair.*
			2508	„ Feb. 8	4 0	37	48	...	...	...	...	...	...	*Definition very bad.*
207	„	4 12 38	2580	„ Mar. 13	3 38	37	44	−45	120·3	11·5	71	−0=0	V.	*Definition poor.*
			2585	„ „ 14	3 36	37	44	...	...	...	...	...	...	*Definition fair.*
208	„	4 37 54	2596	„ „ 17	4 10	37	50	−40	109·8	10·5	74	−0=+0	V.	*Definition good.*
			2590	„ „ 15	3 17	37	40	...	...	...	...	...	...	*Definition fair.*
209	„	5 3 10	2581	„ „ 13	3 28	37	43	−35	121·7	11·7	64	0=0	V.	*Definition poor.*
			2586	„ „ 14	3 26	37	42	...	...	...	...	...	...	*Definition fair.*
210	„	5 28 25	2597	„ „ 17	4 0	37	49	−30	143·3	14·7	86	−0=+0	V.	*Definition good.*
			2591	„ „ 15	3 8	37	38	...	...	...	...	...	...	*Definition fair.*
211	„	5 53 41	2587	„ „ 14	3 18	37	40	−25	136·8	13·0	87	0=0	V.	„ „
			2582	„ „ 13	3 18	37	40	...	...	...	...	...	...	*Definition poor.*
212	„	6 18 57	2598	„ „ 17	3 48	37	46	−20	149·0	15·0	98	0=0	V.	*Definition good.*
			2583	„ „ 13	3 34	37	43	...	...	...	...	...	...	*Definition poor.*
213	„	6 44 13	2599	„ „ 17	4 4	37	50	−15	154·6	16·0	109	−0=+0	V.	*Definition good.*
			2588	„ „ 14	3 8	37	38	...	...	...	...	...	...	*Definition fair.*
214	„	7 9 29	2589	„ „ 14	3 26	37	42	−10	190·2	19·3	117	0=0	V.	„ „
			2584	„ „ 13	3 40	37	45	...	...	...	...	...	...	*Definition poor.*
215	„	7 34 44	2684	„ May 30	4 40	37	56	− 6	164·5	16·0	133	0=−0	V.	*Definition good, hazy.*
			2676	„ „ 14	5 1	40	60	...	...	...	...	...	...	*Definition good.*
			2679	„ „ 28	4 34	37	...	...	...	...	...	...	...	*Definition fine.*

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IV.—LIST OF THE PLATES—*continued.*

Zone	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
216	—35·5	8 0 0	2687	1890 June 3	4 29	38	54	— 1	146·9	14·6	131	0=0	V.	*Definition fair.*
			2685	„ May 30	4 56	40	59	...	...	...	...	...	...	*Definition good, hazy.*
217	„	8 25 16	2692	„ June 4	4 10	37	50	+ 3	158·0	15·0	116	(0=0)	V.	*Definition fair.*
			2697	„ „ 5	4 14	37	51	...	...	...	...	...	...	„ „
			2677	„ May 14	4 52	37	...	...	...	...	...	...	...	*Definition good.*
218	„	8 50 32	2688	„ June 3	4 20	37	52	+ 7	165·6	16·5	97	0=0	V.	*Definition fair.*
			2693	„ „ 4	4 24	37	53	...	...	...	...	...	...	„ „
			2680	„ May 28	4 28	37	...	...	...	...	...	...	...	*Definition fine.*
219	„	9 15 47	2694	„ June 4	4 38	37	56	+11	137·7	13·0	106	0=0	V.	*Definition fair.*
			2698	„ „ 5	4 6	45	50	...	...	...	...	...	...	*Hazy at end.*
220	„	9 41 3	2678	„ May 14	3 26	57	42	+14	237·0	24·5	99	—0=0 or +0	V.	*Lens moist at end of 37^m exp. Re-exposed 20^m.*
			2735	„ June 24	4 10	37	50	...	...	...	...	...	...	*Definition fair.*
			2681	„ May 28	3 49	37	...	...	...	...	...	...	...	*Definition fair.*
			2686	„ „ 30	3 45	14	...	...	...	...	...	...	...	„ „
221	„	10 6 19	2689	„ June 3	3 48	37	46	+17	123·3	12·0	88	0=0	V.	„ „
			2699	„ „ 5	4 4	45	49	...	...	...	...	...	...	*Hazy.*
222	„	10 31 35	2695	„ „ 4	4 4	37	49	+20	152·0	15·0	94	0=0	V.	*Definition poor.*
			2682	„ May 28	3 39	37	44	...	...	...	...	...	...	*Definition fine.*
223	„	10 56 51	2690	„ June 3	3 38	37	44	+22	144·7	14·5	93	0=0	V.	*Definition fair.*
			2700	„ „ 5	4 2	45	49	...	...	...	...	...	...	*Hazy.*
224	„	11 22 6	2696	„ „ 4	3 54	37	47	+24	132·5	13·0	95	0=0	V.	*Definition poor.*
			2683	„ May 28	3 28	37	42	...	...	...	...	...	...	*Definition good.*
225	„	11 47 22	2786	„ Aug 2	5 16	47	63	+26	137·9	14·0	89	—0=+0	V.	*Definition fair.*
			2781	„ July 25	4 10	37	50	...	...	...	...	...	...	*Definition good.*
			2691	„ June 3	3 18	37	...	...	...	...	...	...	...	*Definition fair.*
226	„	12 12 38	2787	„ Aug. 2	5 38	40	67	+27	162·0	16·2	75	0=0	V.	„ „
			2777	„ July 24	4 22	37	53	...	...	...	...	...	...	*Definition good.*
227	„	12 37 54	2788	„ Aug. 2	5 58	47	71	+27	159·6	16·2	66	0=0	V.	*Hazed up.* } In the lower δ's images ill-defined.
			2782	„ July 25	4 4	37	49	...	...	...	...	...	...	*Definition variable.* }

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate. δ 1875	Centre of Plate. α 1875	No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag. B	Reduct.—Mag. C	Reduct.—Mag. n	m & c Comp.	Obs.	REMARKS.
	°	h m s			h m	m	°	°						
228	—35·5	13 3 10	2816	1890 Aug. 19	4 35	37	55	+27	178·2	18·0	88	—0=—1	V.	*Definition fair.*
			2778	„ July 24	4 12	37	51	...	...	...	...	...	...	*Definition good.*
			2807	„ Aug. 15	4 16	37	...	...	...	...	...	...	...	*Definition bad.*
229	„	13 28 25	2783	„ July 25	3 48	37	46	+26	166·6	16·4	83	—0=0	V.	*Definition variable.*
			2779	„ „ 24	4 27	37	54	...	...	...	...	...	...	*Definition good.*
230	„	13 53 41	2808	„ Aug. 14	3 26	37	42	+25	136·6	13·4	95	—0=0	V.	*Definition poor.*
			2784	„ July 25	3 44	37	45	...	...	...	...	...	...	*Definition variable.*
			2817	„ Aug. 19	4 26	37	...	...	...	...	...	...	...	*Definition fair.*
231	„	14 18 57	2809	„ „ 15	4 20	37	52	+23	206·4	21·0	101	—0=1	V.	*Definition very bad.* Images ill-defined and somewhat deformed.
			2780	„ July 24	4 18	37	52	...	...	...	...	...	...	*Definition good.*
			2818	„ Aug. 19	4 40	37	...	...	...	...	...	...	...	*Definition fair.*
			2830	„ Sept. 6	4 29	37	...	...	...	...	...	...	...	*Definition very bad.*
232	„	14 44 13	2829	„ „ 6	4 38	37	56	+21	170·4	17·0	89	—0=+0	V.	*Definition bad.*
			2785	„ July 25	3 36	37	44	...	...	...	...	...	...	*Definition variable.*
			2810	„ Aug. 15	4 35	37	...	...	...	...	...	...	...	*Definition bad.*
233	„	15 9 29	2831	„ Sept. 6	4 19	37	52	+18	151·7	15·7	101	—0=0	V.	*Definition very bad.*
			2835	„ „ 8	3 58	45	48	...	...	...	...	...	...	*Definition fair, hazy.*
234	„	15 34 44	2839	„ „ 13	3 38	37	44	+15	187·7	19·7	96	0=0	V.	*Definition fair.*
			2819	„ Aug. 19	3 54	37	47	...	...	...	...	...	...	„ „
			2811	„ „ 15	4 26	37	...	...	...	...	...	...	...	*Definition very bad.*
			2836	„ Sept. 8	4 20	45	...	...	...	...	...	...	...	*Hazy.*
235	„	16 0 0	2840	„ „ 13	3 58	45	48	+12	179·8	18·8	97	0=0	V.	*Cloudy at end.*
			2832	„ „ 6	4 10	37	50	...	...	...	...	...	...	*Definition poor.*
236	„	16 25 16	2837	„ „ 8	4 20	45	52	+ 8	147·2	15·0	94	0=0	V.	*Definition fair, hazy.*
			2821	„ Aug. 19	3 54	37	47	...	...	...	...	...	...	*Definition fair.*
237	„	16 50 32	2905	„ Oct. 30	5 38	45	67	+ 4	153·2	15·5	108	0=—0	V.	*Hazy.*
			2833	„ Sept. 6	4 0	37	48	...	...	...	...	...	...	*Definition poor.*
238	„	17 15 47	2838	„ „ 8	4 16	45	52	0	153·6	15·4	119	0=0	V.	*Definition fair, hazy.*
			2834	„ „ 6	4 17	40	52	...	...	...	...	...	...	*Definition poor.*

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IV.—LIST OF THE PLATES—*continued*.

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
239	—35·5	17 41 3	2912	1890 Nov. 3	6 36	45	77	— 4	238·2	25·0	143	o=o	V.	*Definition fair.*
			2942	„ „ 11	5 41	45	68	...	...	...	...	...	...	*Definition very bad.*
240	„	18 6 19	2948	„ „ 14	5 35	45	67	— 9	225·3	23·5	127	o=o	V.	*Definition fair.*
			2952	„ „ 19	6 4	45	72	...	...	...	...	...	...	*Unsteady.*
241	„	18 31 35	2911	„ „ 3	4 40	45	56	—14	182·0	19·0	107	o=o	V.	*Definition fair.*
			2943	„ „ 11	5 42	45	68	...	...	...	...	...	...	*Definition poor.*
			2956	„ „ 20	5 44	45	...	...	...	...	...	...	...	*Definition fair.*
242	„	18 56 51	2949	„ Nov. 14	5 38	44	67	—18	180·0	18·0	100	o=o	V.	„ „
			2906	„ Oct. 30	5 23	45	64	...	...	...	...	...	...	*Hazy.*
243	„	19 22 6	2913	„ Nov. 3	5 49	45	69	—23	157·4	16·0	73	o=o	V.	*Definition fair.*
			2953	„ „ 19	5 0	45	60	...	...	...	...	...	...	*Unsteady.*
			2944	„ „ 11	5 42	45	...	...	...	...	...	...	...	*Wrong guiding star.*
244	„	19 47 22	2971	„ „ 29	5 28	45	65	—28	139·7	14·5	63	o=o	V.	*Hazy.*
			2973	„ Dec. 1	5 22	45	64	...	...	...	...	...	...	*Definition fair.*
245	„	20 12 38	2950	„ Nov. 14	5 14	45	63	—33	154·1	15·5	68	—o=o	V.	„ „
			2954	„ „ 19	5 40	45	67	...	...	...	...	...	...	*Unsteady.*
246	„	20 37 54	2987	„ Dec. 18	5 48	45	69	—38	165·0	18·2	64	—o=o or +o	V.	*Definition very bad.* Images bad and deformed, especially in the smaller southern declinations.
			2908	„ Oct. 30	5 24	45	64	...	...	...	...	...	...	*Definition good.*
247	„	21 3 10	2951	„ Nov. 14	5 20	45	64	—43	161·1	16·4	58	—o=o	V.	*Definition fair.*
			2957	„ „ 20	4 10	45	50	...	...	...	...	...	...	„ „
248	„	21 28 25	2914	„ „ 3	4 26	45	53	—48	130·0	13·5	70	o=o	V.	*Definition fine.*
			2972	„ „ 29	4 52	60	58	...	...	...	...	...	...	*Hazy.*
			2974	„ Dec 1	4 34	45	...	...	...	...	...	...	...	*Definition fair.*
			2988	„ „ 18	5 48	45	...	...	...	...	...	...	...	*Definition very bad.*
			2990	„ „ 19	4 50	45	...	...	...	...	...	...	...	*Definition fair.*
249	„	21 53 41	2915	„ Nov. 3	4 54	45	59	—54	110·0	11·4	75	—o=+o	V.	*Definition fine.*
			2955	„ „ 19	4 38	45	56	...	...	...	...	...	...	*Unsteady.*

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IV.—LIST OF THE PLATES—*continued.*

Zone.	Centre of Plate.		No.	Date of Exposure.	t	T	Z	β	Reduct.—Mag.			m & c Comp.	Obs.	REMARKS.
	δ 1875	α 1875							B	C	n			
	°	h m s			h m	m	°	°						
250	—35·5	22 18 57	2916	1890 Nov. 3	5 24	45	64	—59	143·3	14·5	61	—o=—1	V.	*Definition fine.*
			2958	„ „ 20	3 43	40	45	...	...	...	...	...	...	*Definition fair.*
			2989	„ Dec. 18	...	...	...	...	...	...	...	...	...	*Spoilt by a cloud.*
			2991	„ „ 19	4 50	45	...	...	...	...	...	...	...	*Definition fair.*
			3005	„ „ 27	4 36	45	...	...	...	...	...	...	...	*Definition bad.*
251	„	22 44 13	3021	1891 Jan. 21	5 56	40	70	—64	92·4	9·0	56	o=o	V.	*Definition good. Clouded up.*
			2959	1890 Nov. 20	4 9	40	50	...	...	...	...	...	...	*Definition fair.*
			3018	1891 Jan. 16	5 54	45	...	...	...	...	...	...	...	*Definition very bad.*
			3019	„ „ 17	5 42	45	...	...	...	...	...	...	...	*Definition poor.*
252	„	23 9 29	3026	„ „ 28	6 14	45	74	—69	125·5	12·7	55	o=o	V.	*Definition fair.* Images deformed; in the corner of small right ascensions and small southern declinations images manifestly double. Estimates of diameter perhaps not quite uniform.
			3025	„ „ 26	6 2	41	71	...	...	...	...	...	...	*Definition fair.*
			2992	1890 Dec. 19	5 30	45	...	...	...	...	...	...	...	*Definition fair; movement.*
253	„	23 34 44	3063	1891 Aug. 18	—2 18	36	28	—74	105·6	10·8	48	(o = o)	V.	
			3062	„ „ 18	—3 6	36	38	...	...	...	...	...	...	
			2999	1890 Dec. 22	5 48	45	...	...	...	...	...	...	...	*Movement.*
			3008	„ „ 30	5 48	45	...	...	...	...	...	...	...	*Definition bad; movement.*

Besides these plates, there is a complete collection of plates for the Zone 36° (−34°·0 to −38°·0) taken between 1887 December and 1889 May, which were rejected on account of the low number of stars obtained.

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CORRIGENDA.

For the correction of errors of reduction, copying and printing, the proof sheets have been compared once, accurately, with the original *reduced* observations and roughly once with the first, once with the second *unreduced* observation. After the sheets had been definitively printed off it appeared that some new errors, especially in the references, had crept into the work. For this reason the whole work was once more compared to our copy; the following list of corrigenda has been the result. It appears that by far the greater part of the errors has been caused by the dropping out of the somewhat unusual types used for the references to the Washington Zones.

In the column of references *one dash* (–) *is to be added to the following stars:—*

—18°, 470.
—19°, 6163, 6544, 7198, 7644.
—20°, 39, 428, 6553, 6565, 6602, 7421, 7715, 7727, 7880.
—21°, 458, 1700, 5955, 8175, 8214.
—22°, 4585, 4968, 5008, 5150, 6055, 7105, 7251, 7489, 7544, 8247, 8275.
—23°, 363, 369, 411, 765, 1399, 2075, 3643, 3667, 3729, 3881, 4641, 4808, 5535, 7615.
—24°, 359, 458, 2484, 2860, 4868, 5407, 5465.
—25°, 121, 925, 1005, 1027, 1037, 2909, 4216, 4807, 5141, 6848, 7458, 7467, 7501.
—26°, 2502, 2593, 3663, 3707, 5306, 7510.
—27°, 14, 560, 1301, 2000, 3226, 3270, 6567, 6773.
—28°, 1660, 2830, 2845, 2866, 4656, 5865, 6502, 6520.
—29°, 1817, 3747, 6524.
—30°, 1624, 1731, 2321, 3435, 3458, 4353, 5972, 6068, 6604.
—31°, 33, 337, 1246, 1858, 4086, 4301, 4585, 6313, 6482, 6550.
—32°, 361, 429, 435, 1278, 2218, 2248, 2268, 2552, 2601, 2602, 2712, 2805, 2811, 2966, 3005, 3015, 3375, 4309, 4661, 5296, 5304, 5367, 5740.
—33°, 285, 1119, 2011, 2056, 2067, 2325, 2860, 2993, 3150, 3550, 4461, 4577, 4623, 4885, 6247, 6252, 6341, 6350.
—34°, 19, 1380, 1523, 2208, 2272, 2615, 3701, 3743, 4212, 4287, 4376, 5417, 5543, 5560, 5572, 5638, 6651, 8365, 8505.
—35°, 3495, 5037, 5087, 6682, 6683, 6875, 7840, 7995, 8085, 8280, 8749, 8832.
—36°, 1316, 4439, 4448, 5196, 5482, 5960, 5967, 6093, 6266, 6384, 8344, 8615, 9612, 9805, 9832.
—37°, 3530, 3533, 3592, 3777, 3825, 4479, 6471, 7377, 7971, 8739, 9002, 9136.

Two dashes (=) *to be added:—*

—20°, 7840.
—22°, 6430, 8251.
—24°, 5496.
—25°, 4421, 4689.
—27°, 1903.
—28°, 6254.
—29°, 3402.
—30°, 559, 4322.
—32°, 5282.
—33°, 3324, 4237.
—35°, 5416.

Reference to five (>) *obs. to be added:—*

—31°, 1706.

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For the rest :—

Page.	Star.	Column.	For	Put
12	1786	Refer.		:
26	5160	R.A.	9	19
28	5490	Refer.	C	c
30	6115	„	—m	m
34	6972	„	C≡	C=
37	7668	„	C≡	C=
40	8432	„	—	......
55	3480	„	Ca	Cal
117	1177	„		a
121	2212	„	?	......
126	3334	Decl.	30	30·6
130	4250	Refer.	References have slid down in the printing; belong to Nos. 4250, 4259, 4260.	
130	4259			
130	4260			
131	4554	„	·3	9·3
144	7772	„	8·5 am	8·5 aml
161	3181	„	?	......
169	5095	„	S	S
174	6282	„		9·5
180	7774	„	l	......
200	3802	„		a
207	5466	„	9·0	9·0 a
207	5586	Refer.		9·5
230	3298	„	The obs. of ZC. and a belong probably to following star.	
265	4031	R.A.	44·7	54·7
307	between 6486 6487	mag.		-
381	1578	Refer.	=	–
388	3422	„	>	≥
401	6458	„	S	S
416	3052	mag.	0·1	10·1
421	4383	Refer.	=	–
447	3599	„	S	S
457	6021	„	S	S
481		25 pr. in δ	—·1	—0·1
483	5385	Refer.	8·0 G—	8·0 G
487		25 pr. in δ	1	+7·1
520	7579	Refer.	=	–
526	9140	„	9·0 —	9·0
575		25 pr. in α	·5	54·5
575		25 pr. in δ	—·	—3·8

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CAPE PHOTOGRAPHIC

DURCHMUSTERUNG

EQUINOX 1875·0.

ZONES − 18° to − 37°.

S O 11705—600—7/94 Wt 7821 D & S.

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CAPE PHOTOGRAPHIC DURCHMUSTERUNG.

EQUINOX 1875·0.

ZONE — 18°.

1—50.

mag.	0h.–5h. h m s	—18° ′		
8·6	0 10 7·9	57·0	a	8·8
9·0	17 31·0	59·1		9·3
8·8	37 10·8	56·9		9·1
8·6	40 37·8	58·9	a	9·0
8·2	58 33·1	59·5	b	8·5
9·0	1 1 25·6	57·2		9·1
9·6	3 5·6	58·4		9·5
8·8	14 51·7	57·8		9·1
9·8	18 27·4	57·9		9·4
8·6	20 58·8	59·9	a	8·7
8·8	2 2 2·4	57·9	a	8·7
9·6	15 34·8	58·9		9·1
8·6	40 45·9	58·4	a	9·0
8·7	44 12·8	59·3	—	9·0
9·0	46 58·1	57·7	Ca	8·9
8·6	57 22·1	59·9	Cka	8·0
9·6	3 14 40·0	56·8		9·5
7·7	30 33·8	57·9	CWkb	8·0
8·5	46 30·9	57·3		9·0
9·3	4 0 6·0	58·1		9·3
10·0	2 45·8	57·6		9·5
9·6	6 0·8	57·4		9·4
8·7	7 12·0	58·2		8·5
7·5	10 13·1	57·3	Cal	7·0
9·5	16 9·4	57·8		10·
10·2	23·4	57·1		9·8
9·8	17 34·9	56·3		9·5
9·8	19 55·6	59·1		
10·0	20 13·6	59·0		10·
9·7	21 16·6	59·1		9·7
7·0	20·6	56·4	Cl	7·0
10·2	25 46·6	58·4		} 9·6
10·2	48·6	58·4		}
10·2	26 54·1	57·1		9·8
8·8	28 22·1	56·2		9·0
8·6	30 32·6	59·0		8·5
10·0	35 15·0	58·1		9·6
9·2	46 56·9	56·4		9·8
10·0	57 18·4	57·5		9·8
10·0	5 0 57·0	58·0		
9·4	1 22·5	58·6		9·1
9·7	32·7	59·8		9·9
9·3	8 42·7	59·0		9·3
9·4	16 26·9	57·8		9·1
9·8	17 52·4	57·2		9·1
9·6	18 56·4	58·0		9·1
9·7	28 25·4	58·2		
10·4	29 44·5	59·5		
10·4	48·5	58·3		
8·7	31 39·5	59·1	C	8·0

51—100.

mag.	5h.–6h. h m s	—18° ′		
9·6	5 32 37·2	57·4		10·
10·4	34 4·9	58·1		
9·2	32·4	58·9	C	9·0
9·7	35 2·4	56·8		
9·6	57·9	59·0		9·5
10·3	38 13·5	57·1		9·8
10·2	43 21·9	57·2		9·7
10·4	57·9	59·3		
9·2	44 10·9	59·3		9·2
10·4	46 33·0	57·9		
10·0	36·5	58·3		
8·4	50 7·9	59·0	Cl	7·7
10·4	58·9	58·3		
10·6	52 53·1	57·7		
9·2	56 49·5	57·0		9·4
10·6	6 2 23·1	58·0		
8·4	4 8·1	58·7	b	8·8
10·6	6 12·8	59·5		
8·6	57·8	58·9		9·1
9·6	8 26·5	56·3		9·5
10·6	31·5	56·9		
9·8	14 2·6	59·9		
9·6	15 52·4	58·7		
9·2	16 26·3	58·3		9·1
9·2	40·3	58·4		9·2
8·6	19 0·0	58·3		9·0
8·7	21 55·5	57·2		8·5
8·9	23 26·9	58·6		9·2
9·1	25 1·3	59·6		9·5
9·2	23·8	59·2		
10·3	30 56·4	59·0		
9·6	59·9	57·5		9·6
9·8	31 8·4	58·7		9·8
9·8	16·4	57·9		9·8
8·4	34 47·8	59·1	Ca	8·0
10·4	36 25·8	59·7		9·4
9·3	32·8	57·0		9·0
8·7	54·3	58·9	C	8·8
9·2	39 19·4	58·6	a	9·3
9·1	41 7·9	58·0	a	9·2
9·2	42 41·9	59·8	a	9·1
10·3	44 11·9	58·5		
9·0	27·4	57·3		9·2
10·3	45 40·6	58·4		
10·4	48 4·8	59·9		
10·4	49 21·8	57·3		
9·2	50 22·7	56·5		9·4
9·2	38·7	56·4		9·0
10·3	52 54·6	57·5		
9·4	53 4·1	59·4		9·1

101—150.

mag.	6h.–7h. h m s	—18° ′		
10·4	6 55 53·5	58·5		
10·0	56 45·5	58·9		
9·2	57 14·5	58·9		8·8
9·4	58 23·5	56·9		
8·6	59 16·4	57·8	a	8·6
9·4	27·4	59·5		9·5
10·2	46·9	59·8		
9·7	7 0 2·4	57·6		9·1
9·4	1 50·2	58·0		9·5
9·8	2 42·0	57·2		
9·6	57·5	57·1		10·
10·3	3 3·0	57·7		
10·3	4 52·0	59·0		
9·5	5 35·5	58·5		
9·5	6 41·5	59·5		9·8
9·4	7 3·0	57·8		9·5
10·3	11·0	57·4		
10·3	57·4	58·8		
10·0	8 3·9	57·9		
10·2	57·4	58·1		
10·0	10 6·7	56·9		
10·1	11·7	57·3		
9·8	49·2	56·5		9·6
8·9	58·2	59·8	a	8·9
9·4	11 30·5	58·8		9·8
10·4	13 0·0	57·4		
10·4	18·5	57·2		
9·4	42·3	57·5		9·7
10·4	15 7·2	59·9		
9·8	12·2	59·7		} 8·2
8·8	13·2	59·8	Ca	}
9·8	13·2	57·7		
9·4	16 3·5	58·5		10·
8·6	52·0	58·3		8·6
10·2	18 15·9	58·9		
10·0	43·4	56·9		
10·4	59·8	59·6		
10·0	19 7·8	57·7		
10·0	20 49·7	56·9		
9·6	52·7	58·2		9·9
10·3	57·2	59·0		
9·8	59·7	57·2		
9·9	21 48·5	57·9		
10·2	22 31·5	57·9		
9·6	23 52·8	57·6		
9·2	24 5·8	59·1		9·2
10·2	20·3	57·8		
9·5	58·2	58·1		9·9
9·0	25 45·2	59·1		9·3
9·2	26 8·2	58·7		9·1

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151—210.

mag.	7h.–8h. h	m	s	—18° ′		
10·3	7	26	12·2	59·9		
10·4			19·0	59·8		
8·9		27	4·5	56·8	a	9·5
10·0			9·5	57·6		
10·1			21·0	59·2		
9·8			36·2	59·3		9·7
9·0		28	4·5	56·2		9·2
10·3			14·4	57·2		
10·2		34	3·7	57·1		
9·2			23·7	59·5		9·5
9·4			48·6	59·9		
9·2		35	1·1	58·1		9·5
10·0			57·6	59·1		
10·2		37	53·3	58·1		
8·6		39	1·3	57·8	a	9·0
9·4		40	47·1	59·6		9·8
9·1		41	11·0	58·8		8·9
9·8		42	15·5	59·2		
9·0			53·7	59·1		9·0
9·8		44	17·9	58·2		
9·4		45	5·4	56·9		
10·2		49	7·5	59·7		
9·8			44·5	59·3		9·7
10·2		50	43·3	59·0		
10·2			52·3	58·1		
10·2		51	42·8	57·7		
10·2		52	3·3	57·2		
10·4			6·3	56·5		
10·2		53	12·2	59·1		
8·8			32·2	59·8	Cal	8·2
10·4		54	36·1	59·0		
10·2			37·1	57·4		
9·8		55	19·5	56·8		
9·6		57	21·8	59·7		9·4
10·4		58	39·1	58·2		
9·0	8	0	15·5	58·2		9·1
9·4		2	56·1	57·0	a	9·0
10·4		3	10·1	59·9		
10·4			44·6	58·4		
10·1			52·1	56·5		
10·4		5	50·5	59·6		
10·4		6	21·0	58·9		
9·3			25·0	58·3		9·5
9·3			30·8	59·4		9·4
9·1			51·3	59·9		8·8
10·0		8	14·8	59·4		
10·4		9	0·4	58·2		
10·4		10	26·3	58·0		
9·6			35·8	57·1		
10·2		12	14·8	59·3		9·8
9·2		14	46·5	59·4		9·3
9·0		15	41·5	59·6		9·4
10·2			49·5	58·4		
10·4		16	20·5	58·8		
10·4			20·5	59·1		
9·6			23·0	59·2		
10·4		17	41·5	57·8		
9·4			54·5	59·6		
10·2		18	13·0	58·0		
10·4		19	36·0	58·2		

211—270.

mag.	8h.–9h. h	m	s	—18° ′		
9·4	8	19	43·4	57·5		9·6
9·3		20	45·9	59·5		9·4
9·4			52·9	57·7		
9·4		21	2·9	59·2		
9·4		23	4·2	58·7		9·5
9·4		24	11·7	59·0		9·5
8·4		25	5·7	56·7	Cal	8·7
9·4		26	17·5	58·7		
10·4		27	17·5	59·9		
10·2			44·7	56·4		
10·0		28	52·1	58·3		
9·8		30	15·5	59·2		
10·0			34·0	58·3		
9·6		31	8·0	56·8		
10·4			9·0	58·5		
9·0			30·0	57·4		9·3
10·0			32·0	58·0		
10·2		32	17·4	56·5		
10·0			19·9	59·3		
9·3		34	0·7	57·9		
9·0			20·7	56·9		9·3
10·0			21·2	58·3		} 9·3
9·3			22·7	58·5		
9·0		36	58·4	57·6	a	9·3
10·0		37	30·9	57·2		
10·0		38	48·9	58·7		
10·5		39	58·2	57·3		
8·8		42	54·1	56·9		8·9
9·2		44	11·4	56·4		9·5
9·9			41·9	58·2		
10·4		47	6·2	58·6		
10·2			23·7	58·1		9·5
9·8		56	19·8	58·0		
9·4		59	29·4	57·9	a	9·0
9·6	9	1	48·9	59·2		9·6
9·6		2	29·2	58·5		
9·6			48·9	57·8		8·9
9·8		4	55·4	58·9		
9·8		5	10·2	58·1		9·5
8·5			16·2	58·6	a	8·5
7·3		10	40·5	56·3	Cal	7·0
10·8		11	21·5	59·3		
10·0		12	10·0	59·3		
9·2			32·5	56·8	C	9·0
8·6		14	34·2	58·7	Ca	8·9
10·2		20	11·8	59·5		
10·8			36·8	59·4		
10·3		21	45·3	57·8		
9·6		23	6·1	56·6		
8·2		24	10·6	57·4	a	9·1
8·8		27	46·5	56·7		9·0
8·2		33	58·6	59·4	Cbl	8·3
9·8		34	21·6	57·4		9·8
10·3		36	33·7	59·7		
9·4			57·7	57·5		9·5
9·4		37	13·2	57·2	C	9·0
8·2		38	13·7	57·5	Cal	8·5
10·1		39	17·2	57·0		
10·3			39·2	58·7		
9·8		43	40·9	57·6		

271—330.

mag.	9h.–14h. h	m	s	—18° ′		
10·2	9	56	13·2	58·8		
10·2		57	8·9	56·8		
7·8	10	2	11·9	57·3	al	8·0
7·8		6	19·6	56·4	Cl	8·2
10·0			59·1	56·8		
10·1		15	35·2	58·3		10·
9·6		16	5·2	57·6		9·2
9·8		19	9·7	57·3		
7·3			35·4	58·0	Cl	7·5
9·7		22	12·0	59·3		
10·2		23	18·5	57·2		
10·3		27	45·4	58·2		
9·1		29	48·6	57·5		9·3
9·4		31	35·8	59·4		9·5
9·4		32	33·3	59·0		8·9
8·4			47·3	57·1	C	8·3
8·4		34	30·3	56·5	C	8·7
9·2		35	39·3	56·5		9·1
8·8		39	50·4	59·6	Ca	8·4
9·0		42	39·1	57·8	a	9·0
7·0		57	45·5	58·7	Cal	6·5
9·0		58	18·0	59·5	a	9·0
7·1	11	9	6·2	57·5	GCal	7·0
9·7		12	56·5	59·3		
9·8		23	38·0	59·0		
9·2		24	20·3	58·6		9·4
9·6		29	43·5	57·2		9·3
8·8		44	8·1	59·3	Cal	8·9
10·0		46	33·3	59·2		
9·6		50	59·5	57·1		9·4
10·0		51	23·9	58·5		9·4
5·4		54	28·9	58·0	GSlπβ	5·7
9·4		55	0·9	58·6	a	9·2
8·8		56	17·3	56·9		9·0
10·0		57	51·5	57·8		
9·2		58	22·3	58·7		9·5
9·6		59	22·5	59·4		10·
9·7	12	29	54·3	57·1		
9·2		31	35·1	58·8		9·4
9·8		32	32·9	57·4		
8·6		40	39·2	58·6		8·9
10·0		42	0·9	59·6		
8·4			12·5	58·9	Ca	8·2
6·9		49	41·0	57·2	GCal	7·3
9·6		53	48·1	57·6		9·4
9·8			51·6	57·2		9·8
9·3	13	13	11·0	58·1		9·3
8·8		14	23·0	57·1		9·3
9·2		30	41·5	59·0	a	9·1
9·3		32	22·0	59·7	Cb	8·8
10·0		37	37·6	58·4		9·4
10·0		48	4·7	57·5	a	9·1
10·0	14	1	36·3	57·7		9·5
8·8		4	55·1	59·5	Ca	9·0
8·2		11	30·3	59·0	Ca	8·7
8·7		18	51·2	57·3	a	9·0
9·8		21	20·7	59·1		10·
9·7		24	50·7	57·1		9·3
8·4		27	10·0	58·2	Cbl	8·0
9·4		37	41·8	59·3		9·4

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331—384.

mag.	14h.–18h. h	m	s	—18° ′		
8·7	14	42	33·3	59·3		8·8
8·2		43	52·8	57·8	Ca	8·2
9·2		47	21·8	58·3		9·2
9·6		50	36·3	58·1		9·4
9·9		55	40·4	59·9		10·
10·2	15	0	40·3	58·7		
9·2		1	31·0	58·1		9·4
10·0		3	37·8	59·4		
9·9		7	36·5	56·4	a	9·4
10·2		8	47·7	59·1		
8·8		10	21·0	59·0		9·3
7·9		22	14·9	58·4	Cal	8·7
7·7		25	24·1	58·8	Gatlπ	8·8
8·8		26	38·8	56·4		9·2
9·7		33	33·4	59·9		9·4
8·7		38	57·6	58·4	Wa	8·9
8·4	16	43	51·5	58·3	Cal	7·4
9·2		44	53·5	57·0	a	9·0
9·0		46	17·9	58·6		9·2
8·8		52	58·5	59·0	a	8·3
9·5	17	3	34·4	57·4	a	9·1
10·0		7	29·8	58·7		9·7
9·4		10	3·6	58·8	a	9·0
9·2		12	33·8	57·7	a	9·0
8·4		15	9·8	58·8	a	8·8
9·8		18	12·3	56·9		9·5
9·8		20	41·6	57·7		9·6
9·4		25	0·1	57·9		9·8
9·4		26	19·2	58·8		9·5
9·0		31	6·3	57·0		9·1
9·7		36	31·3	58·9		8·8
9·0		47	9·7	57·8		9·5
9·9		48	19·3	57·6		
9·2			31·4	59·4		9·0
10·4		49	8·2	58·8		
9·0			13·4	59·9		9·2
10·3			23·8	57·2		
8·8			28·4	57·3		9·4
9·6			30·7	58·9		9·5
10·2			32·3	59·5		
9·8			36·3	59·6		
10·0			37·3	58·5		
9·6			42·3	58·1		9·3
9·9			43·0	58·7		
10·5			44·0	59·2		
9·2			53·3	58·0	}	9·5
9·3			55·5	57·5	}	
8·7			57·0	56·6		9·5
9·0		50	20·0	59·5		9·3
8·4		53	30·6	57·6		9·1
9·3		54	12·6	58·6		9·4
8·0		59	21·9	59·7	*G*Ckam	7·3
10·3	18	0	32·4	57·6		10·
9·1			59·8	56·9		9·0

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mag.	18h.–19h. h	m	s	—18° ′		
7·9	18	1	26·8	59·6	*G*=l	8·3
9·2			32·3	57·6		9·0
9·9			34·5	56·5	*G*	9·6
9·2			53·8	59·5	*G*	9·4
9·4		2	50·7	57·3	*G*m	9·1
10·1		4	8·5	58·7		
10·1		5	21·4	58·0		
10·3			23·2	57·3		
10·4		6	9·9	59·3		
9·0		7	3·9	58·0	W	9·5
9·7			11·4	59·5		
10·5			14·9	58·7		
9·7			21·4	57·9	*G*	
9·2			31·9	57·7		
7·7			38·5	58·7	*G* Wam	8·7
8·9		8	6·4	57·8	*G*Wa	8·7
8·9			16·7	59·8	*G*	
9·0			19·7	58·5		
8·0			23·9	59·5	*G*Wam	9·1
8·2			24·9	57·0	*G*W	9·2
9·6			31·9	59·9		
9·0			34·5	57·3		
9·6			36·7	58·2		
9·8		9	0·7	59·1		
9·6			7·7	58·4		
9·6		12	34·4	59·3		
9·8		14	54·3	59·2		
9·6		18	3·2	59·6		
9·5		23	40·0	57·8		9·8
8·0			58·5	59·4	GWl$\pi\mu$	7·5
9·0		24	10·0	56·8		9·5
10·0		28	52·4	57·2		
10·0		29	47·9	56·7		
9·4		30	6·4	56·7		9·5
9·8			7·4	58·4		9·5
10·4		37	30·2	58·4		
10·4			44·2	59·0		
8·7		38	10·7	58·3		9·2
9·2		41	38·0	56·7		
9·6		42	0·0	59·6		
9·6		43	39·0	58·1		
9·4			55·5	57·8	a	9·0
10·0		44	10·5	59·3		
9·6			43·0	57·4		9·5
7·4		46	1·8	56·4	aml	8·7
9·2		49	4·7	56·5		9·3
9·3		51	22·2	59·2		9·6
10·4		53	19·2	58·0		
8·7		56	13·7	59·2	—m	8·5
9·5		57	30·7	56·6		9·4
9·7			47·2	57·1		9·5
10·0	19	1	2·7	58·4		9·8
9·3		2	35·2	59·3		9·4
9·8		9	5·1	56·7	k	9·1

439—491.

mag.	19h.–23h. h	m	s	—18° ′		
7·9	19	10	4·1	59·1	Mm	8·5
8·2		11	25·5	57·9	Gkaml	8·5
9·4		15	17·3	59·9		9·5
10·0		22	16·5	58·6		9·5
10·0		23	44·0	57·2		
10·3		34	22·3	59·4		
8·6		40	50·7	56·9	M—m	8·6
9·8		42	57·2	59·0		9·7
8·6		51	0·3	57·3	Wam	8·5
8·8	20	4	17·3	56·5		9·3
9·5		9	12·5	58·2		9·5
9·6		13	7·0	58·7		9·5
8·8		14	6·0	57·0	Mm	9·0
10·0			42·8	58·7		9·8
8·8		19	58·9	58·0		9·2
8·7		20	3·4	56·5		8·8
5·7		22	42·9	59·8	GW$\pi\mu\beta$	7·1
9·8			57·4	58·8		
9·4		33	25·4	59·4	a	8·9
10·2		46	20·9	59·2		9·8
9·0		56	46·8	57·9		9·4
9·0			50·8	57·4		9·4
8·5	21	3	19·8	58·0	a	8·7
9·7		4	44·8	59·7		9·5
9·5		7	47·8	58·0		
9·4		27	17·8	59·5		9·6
10·1			23·9	57·2		9·6
7·7		29	23·8	57·2	GWmtπ	7·8
7·4		30	23·3	59·9	GWctπ	7·5
8·9		32	27·3	59·8	GM—m	9·1
8·9			32·3	59·0	GM—m	9·5
8·2		33	14·3	59·8	G≡	8·6
8·9		39	56·3	58·6	—	9·0
9·0		41	21·3	56·9	Wam	9·1
7·7		42	24·7	58·1	MWaml	7·8
8·9		45	52·7	57·7	—	9·0
10·0			53·7	58·2		
9·6	22	3	22·2	59·5		9·4
9·8		15	10·6	58·3		
8·6		19	17·5	59·4	Wam	8·5
10·2		22	16·0	58·1		
9·1		23	11·5	57·0		9·3
9·6		24	26·3	59·9		
10·3		32	33·2	57·7		
7·6		39	47·7	56·7	kaml	8·0
8·2		54	48·4	58·7	a	8·9
9·4	23	5	2·5	58·7	a	9·2
5·2		37	42·7	58·3	GSl$\pi\beta$	5·8
9·2		44	4·7	57·4		9·4
7·8			19·8	59·2	Wal	7·3
9·0		47	2·3	57·7	a	8·7
9·0			20·0	59·2		9·3
9·5			45·3	58·5		9·6

ZONE — 19°.

1—30.

mag.	0h. m	s	—19° ′		
8·8	0	23·2	29·7	Ca	9·0
7·8		38·6	30·9	a	8·3
7·8	1	35·6	22·7	Ca	8·0
8·8		56·1	54·5	CWa	9·1
8·8	2	0·6	55·1	CWa	9·1
8·6		57·6	11·5		8·8
9·3	3	48·6	33·7	C	9·4
9·0		53·6	33·5	C	9·5
8·4	4	35·6	16·0	Ca	8·0
7·8	5	6·2	24·0	C	8·8
7·4		12·2	17·6	GCb—l	7·3
9·0	6	3·2	13·8	a	9·0
9·2		16·7	53·5	CWa	8·9
8·8	7	50·7	13·6	a	9·0
9·8	8	1·2	9·3		9·2
8·4		4·9	47·6	C	9·0
9·4		5·9	7·6	a	9·0
5·8		16·9	37·5	GSlπβ	5·0
9·8		19·9	9·0		9·6
9·0	9	30·9	38·2		9·0
9·8	10	24·4	5·9		9·4
9·0	11	5·9	5·8		9·3
6·6		11·5	44·6	Gatlπ	7·0
9·0		42·5	26·8		9·1
9·8	14	52·6	59·6		9·5
9·8	15	11·0	34·8		9·6
9·4		28·5	39·9		9·2
9·2		30·0	3·9		9·4
7·5	17	5·5	34·9	Cal	7·5
9·2		46·5	46·6		9·1
25pr.	+1	16·4	+8·4		

31—60.

mag.	0h. m	s	—19° ′		
9·6	18	30·0	42·0		9·2
7·4		31·0	9·7	Cal	7·3
8·6		37·5	4·3	a	8·8
7·8	19	16·2	30·4	Ca	8·7
7·2	20	2·7	23·1	GCal	7·0
9·4		14·7	34·8	a	9·1
9·4		18·7	47·4		9·5
9·4		56·2	46·1		9·1
8·4	23	39·2	44·0	Ca	8·5
9·8		52·0	28·0		9·5
8·0		57·7	52·7	Ca	8·2
7·3	24	20·2	18·6	Cal	7·8
9·4		21·4	20·4		9·5
8·4		59·4	50·6		8·8
9·6	25	30·9	17·3		9·1
8·4	26	25·9	22·7	—	9·0
10·0	27	32·2	3·7		9·5
8·0	29	1·7	6·8	Ca	8·2
8·1		3·2	15·0	Ca	7·8
10·0		6·2	39·8		
8·1		43·9	27·1	Ca	8·5
9·6		43·9	54·8		9·4
10·0		49·9	51·7		9·5
8·8	30	23·4	32·0	a	9·2
10·0		33·9	36·4		9·6
10·0	31	7·8	34·6		
10·0		17·8	54·8		10·
8·3	32	32·9	10·4	—	8·8
8·2		35·4	33·2	C	8·0
9·5	33	2·3	41·1		9·5
	+1	15·4	+8·3		

61—90.

mag.	0h. m	s	—19° ′		
10·0	33	9·3	20·4		9·8
9·2		52·3	14·0		9·1
9·8	34	16·8	52·8		9·5
10·0		31·8	22·5		9·8
9·4	35	24·3	29·9		9·2
8·8	36	26·3	17·9	—	9·1
10·0		29·3	16·1		9·5
8·3		30·3	45·3	C	8·5
9·1		48·8	52·0		9·3
8·8	37	3·8	32·0		9·2
10·0	38	2·3	12·5		9·8
10·0		13·3	14·0		9·5
10·0		13·3	38·9		9·5
9·1		21·3	6·9		9·2
8·3		46·0	58·9	Cal	8·3
10·0		51·3	23·7		9·8
9·2	39	19·3	49·1		9·4
9·6	40	10·8	19·4		9·5
9·6		39·8	12·3		9·6
8·8		44·8	35·5	Ca	8·7
9·8		58·8	15·1		9·8
10·0	41	49·8	48·3		9·5
9·6		56·3	46·5		9·3
8·8	42	17·3	20·5		8·9
10·0		20·8	37·5		10·
8·1		28·8	13·3	Cal	8·3
8·8	43	2·8	41·3		9·0
9·6		5·3	47·0		9·8
9·0		27·8	21·3	a	9·2
9·8	44	0·8	50·7		9·7
	+1	14·8	+8·2		

91—120.

mag.	0h.—1h. m	s	—19° ′		
8·6	44	27·8	11·1	Ca	8·6
9·7		32·3	46·3		9·5
8·7	45	18·8	11·2	a	8·8
10·0		25·8	44·0		9·8
9·4	46	26·1	41·2		9·0
8·3		34·1	15·2	Ca	8·5
10·0	48	36·1	22·5		9·5
8·2	49	38·0	12·6	Cbl	8·0
8·4		43·0	26·4	Cal	8·3
9·6	50	24·0	32·3		9·3
9·6	51	13·5	17·8		9·5
6·9		27·0	40·5	GCal	7·2
9·0	52	39·4	11·4	—	8·9
9·2		52·4	28·8		9·2
9·6	53	8·4	7·9		9·5
8·4	54	56·9	30·7	Cal	8·0
9·6	55	6·4	53·1		9·3
9·4		39·4	14·1		9·2
9·6		52·4	47·0		9·8
9·6	56	1·4	7·6		9·6
9·6		11·4	43·1		9·6
9·6		46·1	7·4		9·6
8·2	57	52·1	14·2	a	8·5
9·4		58·1	23·9	a	9·3
9·6	59	17·6	5·5		9·6
9·0		39·1	16·0		9·3
8·2	0	2·1	30·3	Ca.	8·7
8·4	1	19·6	48·6	Ca	8·9
7·9		35·1	58·6	Ca	8·0
9·0	2	12·6	37·0		9·0
	+1	14·1	+8·1		

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121—180.

mag.	1h. m	s	−19° ′		
8·4	2	18·1	50·0	Ca	8·3
9·6	4	7·6	17·4		9·5
9·4		25·2	20·7		9·5
8·1		53·2	28·1	C	7·0
9·1	5	28·2	34·2		9·0
9·3		34·7	8·8		9·2
9·6	6	4·9	27·6		9·4
9·6	7	16·7	41·7		9·1
8·7		21·2	49·6	a	8·9
9·6	8	0·2	14·1		9·6
9·6	9	31·7	39·9		9·1
8·2		35·6	4·6	C	8·2
9·6	10	7·5	19·5		9·3
8·6	11	11·0	31·1	a	9·0
9·3		12·5	43·9		9·3
8·6		14·0	41·1	Ca	9·0
9·3		29·0	31·0		9·3
8·8		36·5	24·2	a	9·1
9·8	12	18·0	25·5		9·8
9·4		40·7	45·4	a	9·1
8·8	14	59·7	22·7		9·1
8·6	15	46·2	37·0		8·8
8·6	16	22·7	27·5	C	8·5
6·8		26·7	44·0	GCbl	6·9
9·8		41·7	6·4		9·9
8·6		55·7	34·2		8·9
9·0	17	16·4	2·5	a	9·3
8·6		18·4	5·3	a	8·7
8·4		26·4	7·6	b	9·1
8·5		53·4	32·5	a	9·1
9·4	18	18·4	44·2		9·5
9·7		35·9	24·7		9·3
8·6	19	37·9	12·8	b	8·8
9·8	20	42·3	46·9		9·7
8·6	21	14·8	1·4	a	9·1
9·3	22	17·3	25·1		9·5
8·6	24	20·3	24·3		9·2
9·7		21·3	18·3		9·3
7·0	25	32·3	40·0	GCbl	7·0
7·6		36·7	40·5	GCbl	8·0
9·4	26	7·7	5·6		9·4
7·9		13·2	12·4		8·2
8·0		34·2	37·1	GC	7·7
9·7		43·2	21·3		9·5
9·2		49·7	10·0		9·2
7·9	27	2·7	47·8	GCbl	7·5
8·3		4·7	28·9		8·4
9·4	28	10·5	55·8	a	9·1
8·8	29	6·5	7·9	Ca	8·3
9·2	31	10·0	6·6	a	9·0
9·6	32	43·7	19·9	a	9·0
8·8	33	15·4	26·0	Ca	8·8
9·6		33·4	2·8		9·0
9·6		42·4	52·7		9·4
7·4	36	2·9	49·3	Cal	7·5
8·0		31·9	59·0	Cal	8·2
9·2	37	1·2	46·7		9·4
9·6		13·2	30·4		9·4
9·4		50·7	11·6		9·2
9·6	38	16·2	38·2	C	9·0
25pr.	+1	12·9	+7·9		

181—240.

mag.	1h.–2h. m	s	−19° ′		
9·2	38	27·2	17·8		9·1
9·6		51·2	1·4	a	9·2
8·8	42	24·2	18·1		9·0
8·0		51·7	0·1	bl	8·0
8·0	43	6·2	5·9	GCbl	7·9
9·2		31·1	38·0	K	9·0
8·2		43·1	33·5	Ca	8·6
9·4		46·1	14·9		9·2
9·2		53·1	49·6	CK	9·0
9·4		56·6	55·7	C	8·8
8·0	45	31·6	53·6	Ca	8·7
8·6	47	57·2	36·7	C	8·8
10·0	49	6·7	28·0		9·4
8·8		23·7	53·3		8·9
8·9		40·2	29·3	a	9·0
7·9	50	17·2	13·8	Ca	8·3
10·0	51	45·3	7·9		9·6
10·0		49·8	43·3		9·5
9·6	52	46·3	0·0		9·3
10·0	54	10·3	29·9		9·2
10·0		47·8	45·4		9·8
10·0		56·3	1·9	a	9·3
9·3	56	11·9	18·7		9·1
9·0		22·9	30·0		9·0
9·8	57	2·9	50·6	C	9·1
9·3		14·9	27·6		9·4
7·9		42·4	13·1	Ca	8·0
9·8		47·4	19·9		9·1
9·6	58	7·9	31·0		9·0
7·9		23·9	58·1	Ca	8·3
10·0		26·4	22·1		9·4
8·4		54·6	44·1	Ca	8·9
10·0	59	24·6	44·3		9·7
9·8		52·1	33·9		9·5
9·2		57·6	12·1		9·5
8·6		58·6	59·7	a	8·9
9·2	0	21·6	43·2		9·3
9·3		51·6	0·4		9·4
7·2		56·9	44·0	GCal	6·3
8·6	1	14·4	36·0		9·1
7·9	2	3·9	30·4	Ca	8·3
9·0		27·4	13·9		9·1
8·6		28·4	3·6	a	9·0
8·7	5	5·9	7·7		8·9
7·9		15·4	53·9	Cal	7·5
7·2		39·4	33·8	GCal	7·2
10·0	7	22·9	14·2		9·1
10·0	8	20·4	54·9		9·5
9·0	9	32·0	11·8		9·1
8·0	10	3·0	43·1	Ca	8·6
9·5	11	29·8	41·6		9·2
8·6	12	35·5	50·4		9·0
9·6	13	13·5	27·0		9·2
9·4		22·3	7·7		9·2
8·6		32·3	8·7	Ca	8·5
7·8		48·8	43·7	Ca	7·8
8·3	14	6·3	38·2	a	8·9
9·8		20·8	5·6		9·3
9·8		38·3	0·8		9·5
9·6	15	33·3	52·2		9·4
	+1	11·0	+7·3		

241—300.

mag.	2h. m	s	−19° ′		
9·4	16	27·2	18·7		9·5
9·8	18	11·3	6·2		9·9
9·7		32·2	48·7		9·5
9·8	19	2·2	15·5		9·4
9·2		36·3	9·4		9·1
8·9	20	40·2	39·0	a	8·9
9·0	21	18·7	50·9		9·1
9·2	22	35·7	28·2		9·1
7·4	23	1·3	10·7	Ca	7·8
9·0		15·8	5·5	a	8·6
7·5		17·3	50·8	Ca	8·2
9·5	26	10·8	41·9		9·1
9·2		24·3	1·4		8·8
9·8	28	35·9	46·0	a	8·8
9·6	30	2·4	41·2		8·9
9·6		28·9	30·1		9·1
9·4		55·9	50·3		9·2
9·6	32	25·9	15·4		9·0
8·4	33	52·9	31·5	Ca	8·5
10·0	34	36·9	45·7		9·2
7·9		48·4	17·1	C	8·3
10·0	35	10·1	13·2		9·6
8·4		14·6	8·3	C	8·3
9·3		40·6	52·8		9·2
9·2	36	25·6	31·5		9·0
9·0		29·1	45·0		9·0
9·0		34·6	57·8		8·9
8·4	37	20·6	53·1	Ca	8·5
8·2		21·6	34·6	Ca	8·8
9·9	38	24·6	12·9		9·2
4·6	39	15·4	6·2	GSlπβ	4·0
9·6	40	16·9	24·8		9·4
8·0		42·4	25·3	Ca	8·7
9·2		47·4	25·8		9·3
9·6		51·2	25·9		9·3
9·0	41	14·4	29·1	a	8·9
9·9		36·4	10·7		9·0
9·6	42	20·3	53·5	C	8·9
8·4		27·3	12·3	C	8·3
9·3		40·3	30·7		9·0
9·0	43	7·3	32·8	Ca	8·3
9·6		27·8	9·2		9·2
9·8		48·8	51·4		9·3
9·9	44	44·3	1·3		9·8
8·4	45	17·1	44·7	C	8·8
10·0	46	12·6	11·3		9·7
9·9		20·1	7·1		9·7
9·4		38·1	15·9		9·0
9·9	47	47·6	12·1		8·8
9·9		57·1	42·2		9·2
9·3	48	8·6	48·3		9·3
9·6	49	49·9	23·0		8·6
8·3		53·4	38·7	Ca	8·5
9·0	50	8·9	15·7		8·9
8·5		38·9	12·3	Ca	8·3
9·6	51	4·9	56·6		9·3
9·2		34·9	31·9		9·1
9·2		53·1	48·7	Cb	9·0
9·4	54	14·1	59·2		9·0
9·6		23·1	22·0		8·9
	+1	9·2	+6·4		

301—360.

mag.	2h.–3h. m	s	−19° ′		
8·2	56	11·1	50·6	Ca	8·0
9·8		23·1	26·9		9·1
9·4	58	55·1	5·0		9·1
9·8	59	19·1	13·7		9·3
7·8		30·6	33·9	Ckal	7·3
9·8		37·1	53·1		9·4
8·6	0	20·4	46·3	Ca	8·6
8·4	1	4·4	15·6	Ca	8·5
9·2	2	2·9	46·6		8·9
8·3		27·4	47·1	Cal	7·8
7·1	3	12·4	26·8	Cbl	7·3
8·4		24·9	21·4	C	8·5
8·8		52·9	30·4	Ca	8·6
8·0	4	7·7	56·1	Cbl	7·5
9·6		47·2	31·4		9·3
9·8	6	8·2	0·9		9·0
9·8		8·7	49·4		9·2
8·3		26·7	17·8	a	8·7
9·8	7	0·0	59·8		9·4
8·5		22·7	0·7		8·7
8·4		55·9	10·4	Ca	8·2
9·2		59·4	56·9		9·2
10·0	8	58·3	13·6		10·
9·4	9	57·8	48·5	a	9·1
9·8		59·8	31·1		9·6
9·4	10	4·3	15·7		9·4
9·6		6·8	48·6	Cb	9·3
9·6		13·8	18·3		9·0
10·0		13·8	24·4		9·5
9·4		20·3	26·0		9·4
7·8		24·8	49·1	Cbl	8·0
9·0	11	10·8	13·3		9·3
9·2		17·3	36·0		9·3
9·4		33·3	40·0	a	9·2
7·8	12	28·3	31·4	Ca	8·5
10·0		35·3	41·6		9·1
8·5		39·8	4·4		8·8
6·4		59·3	0·9	GWkbl	5·9
7·0	14	5·5	17·8	Ckal	7·3
9·8		17·0	38·4		9·2
10·0		49·0	52·6		9·6
9·6	15	11·0	43·1		9·4
10·0		27·5	47·9		
8·8	16	14·0	50·8	C	9·0
10·0		17·5	15·9		9·4
9·8		35·0	16·7		9·5
9·8		47·3	0·3		9·8
8·3	17	5·0	32·8	Cal	8·5
9·2		9·5	45·9		9·0
9·8	18	39·0	43·1		9·4
9·8		56·0	41·3		9·7
9·8	19	2·5	26·9		
9·4		19·5	0·4	a	9·1
8·0	20	35·5	19·7	Cb–1	8·3
9·4		43·5	7·4		9·2
10·0	21	2·3	36·3		9·5
9·4		5·5	4·6		9·3
9·8		16·5	59·9		9·6
9·2		22·5	15·1		9·5
9·6		24·0	4·6	a	9·2
	+1	8·1	+5·6		

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361—420.

mag.	3h. m	s	—19° ′		
8·8	21	32·5	8·0	Cal	8·5
9·8		54·3	26·4		9·3
8·5	23	0·0	5·2	Ca	8·5
10·0		40·7	14·5		9·7
7·6		48·2	59·3	Cbl	7·0
9·4		59·2	9·3	a	9·1
9·6	24	9·7	27·9		9·1
9·0		17·7	58·6		8·9
9·0		57·7	8·3		9·2
8·8		59·7	30·8	a	9·0
7·6	25	3·2	51·9	Cbl	7·5
8·3	26	11·0	44·5	Cal	8·3
8·3	27	18·5	40·9	Ca	8·5
10·0		25·0	14·2		9·4
9·8		49·0	42·6		9·3
8·6		58·0	29·2	Ca	8·5
10·0	28	0·8	29·2		9·4
9·6	29	24·8	6·5		9·1
7·0	30	48·8	47·5	Cbl	7·3
10·0	31	21·3	26·3		9·1
9·6	32	17·3	31·3		9·1
8·6		51·8	9·3	–	8·7
10·0	33	41·8	52·9		9·4
8·0		53·8	24·3	Ckb–1	8·0
9·8	34	33·8	21·2		9·5
8·5		56·1	49·6	a	8·8
7·6	35	3·6	52·7	GCal	7·0
8·6		36·6	47·7	C	8·6
9·6		38·1	51·8		9·1
6·6		47·0	59·4	GCal	6·6
10·0	36	5·6	6·2		9·4
8·5		34·6	23·9	Ca	8·9
9·2	37	3·6	12·8	Ca	8·7
7·2		6·7	6·7	Cbl	7·4
7·7	38	16·2	30·7	Cal	7·0
10·0	39	5·7	47·4		9·2
8·1		25·7	31·6	Ca	8·5
9·2		41·2	32·1	a	9·2
9·2	40	10·2	21·8	Ca	8·5
10·0		41·7	26·6		9·8
10·0		46·6	57·5		9·9
9·2		51·2	19·4	a	9·1
8·8	41	31·5	32·4	Ca	8·7
9·2		34·5	11·7	a	9·0
9·2		52·5	59·7		9·4
10·0	42	20·5	33·3		9·1
10·0		22·5	58·8		9·4
10·0	43	27·5	23·5		9·0
6·8	44	37·5	7·7	CWb–1	6·8
10·0	45	15·5	7·3		9·3
9·7		26·4	29·3		9·4
8·0		35·9	17·3	Cb–1:	8·5
9·6		38·4	34·2		9·2
8·5	47	41·9	39·7	C	8·8
10·0	48	0·6	17·2		9·6
9·3		7·8	10·5		9·1
9·5		18·4	37·5		9·3
10·0		37·2	27·2		9·5
9·0		58·1	45·3	C	8·5
9·6	49	31·7	2·9		9·2
25pr.	+1	7·2	+4·9		

421—480.

mag.	3h.–4h. m	s	—19° ′		
10·0	49	48·2	34·1		9·8
9·1	50	1·7	50·8	a	9·0
7·9		12·2	48·0	Cal	7·0
10·0		25·7	26·2		9·8
8·5		41·9	56·8	Ca	8·8
10·0		50·2	51·0		9·7
9·2	51	10·7	3·4		9·1
9·9		28·7	37·7		9·4
9·2		42·8	46·0		9·1
10·0		52·3	34·8		9·5
10·0	52	18·3	32·0		9·8
8·4		30·3	47·4	Ca	8·9
8·8	53	32·8	17·8		9·0
10·0		39·3	28·5		9·5
9·8		50·8	34·5		9·3
9·6		54·5	57·6		9·3
7·2	54	26·1	36·0	Cal	6·8
9·9		28·1	32·1	a	9·1
10·0	56	8·6	51·9		9·7
7·6		57·6	50·8	Cb	7·3
9·1	57	7·1	23·6	a	9·0
9·6		12·6	10·2		9·5
9·3		15·6	25·2	a	9·2
7·4	58	45·0	48·8	Ca	7·7
9·9	59	6·5	2·5		9·5
9·8		25·0	11·1		9·4
9·1		38·0	50·8		9·2
10·0		45·5	5·2		9·5
9·9	0	32·0	38·0		9·4
7·8		44·3	51·1	Cbl	7·3
8·7	1	1·3	21·5		9·0
10·0		4·8	35·3		10·
9·1		20·8	38·0	Ca	8·9
9·0		49·8	44·7		9·1
10·0	2	21·3	27·3		9·8
9·8		22·3	58·9		9·1
8·6		48·6	44·8	Ca	9·0
8·7	3	22·1	27·7	Ca	8·4
9·0		23·6	36·9	a	8·9
7·4	4	20·6	37·0	Ca	6·5
7·4		26·6	19·8	Cb–1	7·0
9·9		27·1	9·8		9·5
7·5		28·1	2·5	C	8·0
8·2		33·8	25·4	a	8·5
9·3		41·8	55·5		9·2
8·0	5	13·3	25·2	Ca	8·4
9·8		17·8	45·0	a	9·3
9·6	6	2·3	1·6		9·3
8·6		35·8	45·5	Ca	8·5
9·6		39·3	39·4		9·2
9·8		54·8	55·5		9·5
10·0		58·8	21·3		9·2
10·0	7	4·0	33·9		10·
9·5		58·0	39·2	a	9·0
10·2	8	4·0	1·7		9·8
9·1		32·0	58·2	C	9·1
10·2		48·5	10·7		9·9
10·0		52·0	46·2		9·8
9·1	9	10·5	11·2	a	8·8
9·5		14·0	26·2		9·2
	+1	6·5	+4·1		

481—540.

mag.	4h. m	s	—19° ′		
9·2	9	46·5	28·0		9·2
9·0	10	2·5	37·1		9·2
10·2		4·6	38·5		
10·2		5·0	58·9		10·
10·2		39·1	19·0		
8·6	11	3·6	55·1	Ca	8·9
10·2		24·1	27·2		10·
8·8		44·1	46·3	Ca	8·7
9·4		47·1	52·4		9·6
9·4		50·6	26·1		9·0
7·6		50·6	50·1	Cal	7·8
9·0		57·1	48·6	a	9·2
9·5	12	3·6	12·3		9·5
8·7		47·3	32·3	Cb	8·3
9·7	13	11·3	52·6		10·
9·9		12·3	45·8		10·
9·0		12·3	42·1	a	9·2
10·2		34·8	5·8		
9·5	14	12·3	49·4		9·5
9·7		30·8	10·2		9·5
9·2		33·3	51·0		9·3
9·9	15	2·3	39·6		9·8
10·2		6·8	49·0		
7·6		20·3	38·1	Cbl	7·3
9·0		27·3	56·0	Ca	8·5
8·7		28·8	32·5	Cbl	8·4
8·8		49·3	50·7	a	8·8
9·9		53·8	17·7		9·8
9·1		58·8	18·2		9·6
9·2	16	3·4	3·0		9·3
8·6		23·4	6·6	C	8·8
9·7		26·4	6·8		10·
10·2		30·4	28·8		10·
9·4		35·9	29·2		9·5
7·6		37·4	55·3	Cal	7·7
8·0		43·4	42·9	Cbl	8·2
9·5		51·9	25·6		9·4
9·1		56·9	9·8	C	8·9
10·0		57·9	35·3		10·
9·8		59·9	22·2		
10·2	17	3·2	44·3		9·5
9·0		3·4	33·4		9·2
10·0		13·4	14·3		
9·2		35·9	12·8		9·0
9·5	18	0·9	51·6		9·4
9·9		2·4	40·2		10·
8·8		9·4	20·0	a	9·0
7·6		9·9	45·9	Cal	8·0
10·2		43·9	27·6		
9·4		47·4	36·2		9·3
10·2	19	34·8	8·7		10·
9·0		39·1	21·8		9·4
9·5		48·6	24·0		9·8
10·0	20	13·1	26·2		
10·2		25·6	28·3		
9·0		32·6	47·6	C	9·3
8·8		43·6	56·5	Ca	8·9
9·2		50·6	39·5		9·2
9·2	21	31·6	51·1		9·0
9·1		38·6	32·3		9·1
	+1	6·2	+3·7		

541—600.

mag.	4h. m	s	—19° ′		
9·0	21	53·6	23·3		9·4
8·8		55·6	11·2	a	9·2
9·7		58·6	30·4		9·8
10·2		59·6	47·0		10·
10·0	22	3·1	38·0		9·8
8·2		11·6	38·2	Cb	8·0
9·6		17·6	3·2		
10·2	23	7·2	34·7		9·5
7·0		8·7	43·9	GCbl	6·0
9·5		17·8	1·3		9·6
8·8		21·2	45·9		9·1
10·2		56·2	43·3		
9·9		59·2	0·8		9·5
10·2	24	7·8	37·6		10·
8·7		10·2	0·9	b	9·0
8·8		14·7	19·5		9·2
10·2		20·2	19·4		
9·0		25·2	31·9		9·3
9·8		25·2	13·6		9·6
9·6		42·2	55·9		9·8
9·4	25	6·2	57·1		9·5
9·8		12·2	7·1		9·8
9·8		16·2	3·8		9·6
9·9		34·1	43·7		9·8
8·6		42·6	44·8	Ca	8·5
10·2	26	10·1	7·3		
10·2		16·1	48·9		
8·7		26·1	8·3		9·0
9·1		30·1	55·1	a	8·8
9·1		46·1	1·5	C	9·0
8·4	27	22·6	52·3	Ca	8·6
9·2		29·7	19·6		9·4
7·8		38·1	37·6	Cbl	7·9
9·7		59·7	15·2		9·8
10·0	28	22·6	7·0		
8·4		24·1	26·4	Cbl	8·5
10·3		43·1	44·1		10·
10·3		54·1	39·0		10·
8·9	29	16·6	27·8	C	9·0
9·4		18·6	21·2		9·6
10·0		25·6	45·3		9·5
10·3		41·1	52·4		9·7
10·3	30	6·6	49·9		
9·4		11·1	39·4		9·4
8·8		12·6	28·9		9·0
9·2		48·6	32·1		9·4
10·2		51·6	17·4		9·6
9·4	31	10·1	24·5		9·5
9·7		14·1	54·3		9·7
10·1		14·5	32·5		9·7
10·1		18·6	34·9		10·
9·4		20·6	11·0		9·4
10·1		56·5	20·2		9·3
9·0		59·9	59·2		9·0
10·3	32	34·1	45·9		
10·0		44·6	15·8		9·8
9·2		57·1	59·5		9·1
10·1		57·1	32·6		9·7
9·2		58·1	5·1	C	8·7
6·6	33	0·6	53·5	Cbl	7·2
	+1	6·0	+3·3		

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601—660.

mag.	4h. m	s	—19° ′		
8·7	33	22·6	14·0		9·1
8·7		23·1	8·1	C	8·7
9·5		26·6	52·6	C	9·1
10·3		28·1	44·7		
8·6		34·1	58·7	C	9·0
9·8		34·6	13·4		9·3
9·0		46·1	59·4		9·4
10·3		50·0	48·4		
8·7		51·0	23·4	C	8·5
9·4	34	35·0	42·6		9·5
6·1		58·0	54·8	GSπ/βλ	4·5
10·1		59·0	30·1		9·6
9·7	35	22·0	57·9	a	9·2
10·3		44·5	17·8		10·
10·1		44·5	55·9		9·5
8·4		53·5	41·2	a	8·8
10·1	36	36·0	0·8		9·5
10·1	37	3·0	53·7		
10·3		5·5	4·2		9·5
9·8	38	33·5	45·3		9·3
9·2		48·5	40·4		9·1
8·6		50·0	2·7	b	8·9
9·4		52·5	42·6		9·3
8·0		55·0	3·0	Ca	9·0
7·9	39	1·5	7·8	Cal	8·7
10·1		2·5	40·3		
10·1		8·0	35·0		9·3
9·2		34·0	55·0		9·3
10·3	40	2·5	3·1		9·8
9·6		3·5	38·8		9·4
9·7		42·5	22·3		9·5
10·3		47·0	44·2		
10·1	41	18·5	15·9		9·5
9·2	42	10·0	29·6		9·3
9·7		21·5	3·6		9·5
8·6		52·5	57·1	C	8·0
9·6	43	3·0	14·2		9·4
9·4		13·0	25·0		9·3
10·3		39·5	30·3		9·8
9·6		41·5	5·2		9·5
9·4		52·0	51·0		9·3
10·1	44	12·4	36·9		
10·1		37·1	54·2		
9·4		45·4	6·8		9·1
10·1		56·4	11·2		9·8
8·0	45	1·9	16·3	Cal	8·6
8·0		14·4	6·8	bl	7·3
8·8		31·9	56·4		9·3
9·2	46	8·9	26·1		9·5
9·6		20·4	3·7		9·9
9·4		20·9	33·6		9·3
9·6		21·4	50·0		9·4
10·0		26·9	17·5		10·
8·7		41·9	36·4	C	9·0
10·0		41·9	19·0		10·
9·2		42·4	39·2	C	9·1
10·1		45·9	24·3		9·6
9·2		55·9	23·8		9·3
10·1	47	24·7	28·3		9·8
8·6		31·2	2·0	a	9·1
25pr.	+1	5·7	+2·8		

661—720.

mag.	4h. m	s	—19° ′		
9·6	47	34·7	42·6		9·5
9·2		35·8	49·6		9·6
10·3		39·6	59·3		
9·4		46·2	18·3		9·3
10·0	48	9·4	38·4		
9·9		29·6	1·9		10·
8·8	49	13·9	27·4		9·3
9·8		21·4	45·2		9·5
9·8		49·4	28·4		10·
9·7		55·4	51·7		9·6
9·9	50	4·8	57·0		9·9
9·4		9·0	56·9	C	9·0
9·6		15·9	29·2		9·5
9·3	51	0·8	49·6		9·5
9·4		3·3	41·9		9·3
8·8		16·8	24·2	C	9·0
9·9		33·8	35·2		
9·4		57·8	51·8		9·4
9·2		57·8	17·6		9·3
10·0	52	2·8	57·6		
9·4		23·8	1·6		9·4
10·0		43·8	26·8		9·8
10·0		49·3	38·5		9·8
10·0	53	3·3	20·9		
10·0		16·8	30·9		
8·9		21·3	2·1	a	9·0
9·4		34·3	9·6		9·3
9·0		37·8	44·0		9·3
10·0	54	3·4	28·3		9·4
9·9		3·9	28·9		
9·4		7·4	53·4		9·5
8·9		10·9	12·2	C	9·0
9·7		12·9	44·9		
9·4		14·9	32·4		9·6
8·9		26·4	0·8	Ca	9·0
9·2		30·9	2·5		9·2
10·0		37·4	22·4		9·5
10·0		44·9	3·0		9·7
9·2		45·3	28·5		9·2
10·0		51·4	2·9		9·8
8·5		52·9	49·5	Cbl	8·2
9·2	55	2·9	9·8		9·0
9·7		21·4	15·6		9·7
10·0		38·4	45·6		
9·5		44·9	15·6		9·0
10·0	56	0·9	4·8		
9·4		19·9	49·6		9·3
7·6		27·4	50·6	Cal	7·5
9·6		31·4	54·0		9·8
9·9		56·3	32·8		10·
9·5		59·4	59·8		9·2
10·0	57	4·4	16·0		9·8
9·8		21·3	19·8		
9·0		38·4	25·0		9·1
9·8		40·9	39·1		9·7
8·9		44·9	17·8	C	9·0
8·0		54·9	40·6	Cal	8·4
8·9	58	1·4	23·0		9·0
9·8		24·0	57·0		9·7
9·4		44·0	25·6		9·5
	+1	5·5	+2·4		

721—780.

mag.	4h.–5h. m	s	—19° ′		
10·0	58	56·0	45·8		
8·7	59	0·5	2·7	Ca	9·0
8·9		3·0	48·1	Ca	8·9
10·0		20·5	13·4		9·7
10·0		42·0	46·0		
10·0		44·5	22·8		
9·9	0	8·0	2·4		9·4
9·5		26·5	55·5		9·4
9·7		27·5	11·0		9·7
9·4		27·7	58·8		9·5
9·7		54·0	9·2		10·
9·4	1	2·5	13·0		9·7
10·0		4·0	23·8		
9·0		22·5	55·8		9·3
9·4		28·5	39·6		
9·6		28·7	4·4		9·8
9·7		32·2	44·6		
10·0		34·7	26·0		
9·8		36·2	27·2		
7·2		43·2	34·0	GCbl	7·0
9·6		49·7	19·0		
8·8	2	8·7	12·0	C	8·5
9·7		20·2	1·3		
10·0		28·2	47·5		
10·0		33·2	33·3		
10·0		53·7	33·8		
9·6		58·7	48·2		
9·6	3	4·7	56·8		9·8
9·0		6·2	47·2		9·7
8·9		8·2	4·0		9·3
9·4		31·2	44·2		9·8
9·4		40·2	53·3		9·5
10·0		46·2	20·4		
9·3	4	3·2	34·5		9·1
9·9		5·7	29·6		9·5
9·5		12·7	16·4		9·6
9·8		15·2	2·8		9·9
9·6		22·2	39·8		10·
9·3		50·7	12·6		9·3
9·8	5	0·2	3·0		
9·7		8·2	58·4		9·8
9·6		26·2	57·2		
10·0		33·2	59·9		9·4
8·8		39·7	18·6	}	8·5
8·8		40·7	18·8	Ca }	
8·8	6	15·7	9·9	a	9·0
8·8		23·7	10·8	a	9·0
9·9		33·8	33·5		
10·0		36·7	0·1		
9·4		41·7	43·0		9·6
9·5		43·7	30·8		
9·6		47·2	41·8		
8·8	7	7·2	9·0	a	9·1
8·6		10·7	31·2	C	8·9
9·5		18·2	39·6		9·5
10·0	8	5·8	45·7		9·5
9·9		7·7	6·0		
9·4		15·7	41·8		9·2
9·3		21·7	46·8		9·4
9·8	9	15·7	43·8		9·2
	+1	5·4	+2·0		

781—840.

mag.	5h. m	s	—19° ′		
10·0	9	19·2	4·4		
10·0		31·8	32·8		
9·6		35·8	17·8		9·5
8·0		56·5	12·1	Cal	7·8
10·0	11	13·0	59·1		9·3
9·8		41·5	56·5		9·6
8·7	12	15·5	36·2	Cal	8·3
9·8		41·5	42·4		9·4
9·0		48·2	13·1		9·2
10·0	13	24·7	31·4		
9·6		38·7	59·9	Ca	8·8
9·0	14	52·7	38·5		9·0
9·8		56·7	56·5		9·4
8·8	15	3·2	32·1	C	9·0
8·2		30·9	48·9	Ca	8·0
9·8		31·9	6·4		9·5
9·4		47·4	35·8	a	9·1
9·4	17	11·4	33·2		9·3
8·2		12·4	58·6	Cal	8·8
9·8		21·9	9·7		9·5
8·8	18	33·9	24·4	a	9·1
9·2		53·4	24·8		9·3
8·4	19	5·4	19·8	Ca	8·9
7·0		33·9	29·2	GCal	7·5
9·4		47·6	54·5		9·3
9·8		49·6	27·1		9·4
9·2		53·1	9·9		9·1
10·0		56·1	53·4		
8·8		57·6	23·7	Ca	8·9
10·0	20	19·1	17·5		9·8
8·0		33·6	48·0	Cal	8·5
6·8		35·1	48·3	GCal	6·0
10·0		46·1	46·2		9·7
9·4		48·6	58·6		9·2
8·4		51·6	36·8		8·8
8·8	21	17·1	30·5		9·4
9·0		33·1	59·9		9·1
9·4		39·6	8·0		9·0
8·0		44·6	12·1	Cbl	8·1
8·8	22	53·1	37·5		9·0
9·4	23	28·4	39·1		9·2
8·2		36·4	14·5	Ca	8·2
9·6	24	17·9	39·1		9·5
10·0		41·4	45·6		10·
9·0		53·4	22·4	a	9·2
10·0		53·4	51·5		
10·0	25	0·9	13·9		9·5
9·1		8·4	46·5		9·2
9·8		16·4	42·0		
9·8		21·9	30·9	}	8·8
8·7		21·9	31·2	C }	
8·6	26	4·7	23·2	Ca	9·0
10·0		9·7	28·8		
9·6		25·2	3·3		9·3
8·6	27	8·7	11·8	Cal	8·4
10·0		26·1	52·0		9·3
9·1		35·2	10·4	Ca	8·8
9·8		38·9	44·1		9·5
10·4		46·9	39·4		
8·8		47·9	25·7		9·2
	+1	5·2	+1·4		

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841—900.

mag.	5^h m	s	−19° ′		
8.5	27	57.9	22.9	Cbl	8.5
9.8	28	18.4	12.8		
8.3		23.9	31.1	Cal	8.7
9.1		27.4	30.0	a	9.1
10.0		58.4	36.8		
9.4	29	2.0	59.1		9.7
9.2		9.9	40.4	C	9.1
10.0		9.9	11.4		9.8
10.3		12.9	8.1		
9.8		18.4	48.1		9.5
8.9		38.5	16.4	C	8.8
9.7		40.5	26.6		9.5
10.4	30	8.0	25.4		
9.7		21.5	19.8		9.2
10.4		27.5	16.8		
9.6		46.7	58.3		9.5
9.0		54.0	28.2		9.1
10.0	31	2.5	58.0		9.4
9.0		14.0	31.5		9.0
10.4		15.0	30.0		
9.8		17.5	9.7		
8.8		25.0	43.7	Cal	8.3
10.2		30.5	17.6		
8.4		36.5	56.2	Cal	8.5
10.4		48.2	28.5		
10.4		48.2	12.8		
10.3		57.2	48.5		
10.2		59.8	57.9		10.
10.4	32	18.2	1.2		
10.1		22.2	40.0		9.9
10.4		34.7	36.0		?
10.3		37.7	53.5		
10.2		46.2	52.2		
10.3		56.7	15.3		
9.8	33	24.7	52.1		9.8
10.0		39.2	34.0		9.5
10.4		45.2	49.8		
10.2		58.2	37.6		
9.6		59.7	8.7		9.5
8.3	34	0.9	51.6	Ca	8.2
10.0		13.9	57.9		
10.1		23.9	37.1		9.3
8.9		33.9	10.8		9.1
10.4		50.9	37.7		
8.2		52.9	17.2	Ca	8.0
8.9		56.4	44.2	Ca	9.0
10.0	35	3.9	16.7		
10.3		9.4	29.6		10.
10.4		9.9	21.1		9.6
10.4		19.4	39.5		
9.6		22.9	49.0		
8.8		30.9	8.7	a	9.0
10.0		47.9	16.2		
9.8		50.9	41.0		9.5
10.1		52.9	31.1		10.
10.4	36	13.4	43.1		
9.7		26.9	31.1		9.5
9.0		32.9	53.9		9.4
9.1		33.9	2.7	Ca	9.0
10.4		57.4	17.3		10.
25pr.	+ 1	5.1	+ 1.0		

901—960.

mag.	5^h m	s	−19° ′		
10.4	37	6.5	17.6		9.6
9.2	38	7.5	13.5		9.2
7.9		23.5	42.5	Cbl	7.5
9.2		33.5	33.1		9.5
8.0		41.5	37.4	Cbl	8.0
9.2	39	5.0	33.1	C	9.0
9.2		6.5	31.6		9.2
9.8		12.0	33.5		
9.4		22.5	52.3		9.5
9.7		23.5	10.1		9.5
10.1		26.5	42.6		
8.8		27.5	3.6	C	8.9
10.0		32.5	38.6		9.8
10.4		46.0	45.1		
9.1		55.0	21.6		9.2
10.4	40	3.2	6.6		9.5
9.2		15.7	21.1		9.8
9.2		19.7	23.7		9.8
8.7		20.2	19.9	C	9.2
9.8		23.2	12.3		9.7
10.4		27.7	37.1		
10.0		29.2	26.7		
8.6		38.2	27.6	C	9.1
10.2		48.2	41.5		9.5
10.1		51.7	36.2		
9.4		57.7	26.8		9.6
10.4	41	3.2	25.9		
8.8		13.2	0.9		9.0
10.4		27.2	16.4		
10.3		28.2	18.3		10.
9.6		33.2	40.1		10.
9.4		36.2	43.1		10.
9.5		52.7	54.8		9.3
9.1	42	3.2	1.4		8.8
10.3		6.2	32.9		
9.8		7.7	35.1		10.
9.4		20.2	17.6		9.2
9.7		20.2	25.2		9.8
10.4		23.2	44.5		
10.0		30.2	3.1		
9.8		40.2	55.0		9.5
10.4		41.4	6.6		
10.3		42.2	52.6		
10.0		43.4	43.2		
8.5		56.9	4.0	C	8.9
9.4		57.9	39.3		9.4
10.1	43	4.4	58.0		
10.4		31.4	47.3		
10.1		31.9	40.3		
7.8		46.9	26.4	Cal	7.1
10.2		49.9	8.9		
10.4	44	9.9	42.1		
9.8		11.9	32.0		9.4
9.3		35.9	49.1		9.3
10.0		42.9	15.0		
9.8		43.4	37.8		
9.7		49.4	54.1		
9.8		55.9	7.9		
10.4	45	2.9	27.9		
9.8		12.9	25.1		
	+ 1	5.0	+ 0.7		

961—1020.

mag.	5^h m	s	−19° ′		
9.8	45	24.4	39.5		9.5
9.6		25.9	35.9		9.5
10.4		48.0	10.5		
9.6	46	1.5	17.2		9.3
9.2		3.0	48.6		9.0
8.9		4.5	7.0	Ca	9.0
9.7		16.0	30.0		
8.6		22.5	25.1	Ca	7.7
9.6		43.0	40.8		9.5
10.0		44.0	30.4		
8.2		45.5	5.1	Cal	7.2
10.0		53.5	50.6		
10.0	47	18.5	5.6		
10.2		21.5	56.9		
9.8		27.5	27.6		10.
8.9		45.5	54.7	a	9.0
10.4		55.0	37.5		
10.3	48	20.5	19.8		9.7
10.2		22.2	59.2		
7.5		33.3	39.8	GCal	6.3
9.8		45.8	22.0		9.6
9.8		51.8	24.9		9.5
7.9	49	4.8	43.6	Cal	7.5
10.5		5.8	55.0		9.6
10.0		8.8	14.1		9.4
10.6		18.3	13.1		
10.5		32.4	39.7		10.
10.4	50	13.4	29.5		
10.0		14.4	48.2		
9.9		15.9	18.0		9.7
10.5		27.4	24.0		
8.6		27.9	10.8	C	9.0
9.6		28.9	49.0		9.5
10.5		30.4	43.4		
9.0		30.4	10.2		9.3
9.4		33.4	28.8		9.4
9.2		43.4	39.3		9.7
10.2		46.4	15.1		
10.4		49.4	23.3		
9.2		50.4	31.4		9.5
9.4		51.9	41.2		9.5
9.9	51	32.9	30.8		9.5
8.8		39.4	14.1	Cal	8.8
10.0		45.1	0.8		9.7
9.8		48.6	53.5		9.8
10.6		53.6	59.3		
10.5	52	9.6	13.3		
10.0		10.6	47.1		10.
10.0		17.1	49.8		9.8
8.2		19.1	24.0	Cal	7.8
9.2		26.6	36.9		9.3
9.2		40.1	58.4		9.4
10.4		42.6	9.1		
9.2		43.1	24.6		
9.6		51.1	45.0		9.6
10.6	53	5.1	16.4		
9.2		25.1	37.8		9.1
8.8		25.6	5.0	Ca	8.7
10.5		32.0	11.0		
10.5		39.1	52.8		
	+ 1	5.0	+ 0.4		

1021—1080.

mag.	5^h–6^h m	s	−19° ′		
9.2	53	49.1	50.1		9.2
9.6		55.1	9.9		9.2
10.0	54	8.1	59.0		
10.0		16.1	40.0		9.5
8.6		36.6	51.3	Ca	8.5
10.4		38.6	3.0		
9.9		45.1	48.9		
10.4		51.1	45.9		
9.4	55	1.6	24.6	C	9.1
9.8		2.1	9.0		9.4
9.4		26.0	14.5		9.3
10.4		50.0	43.4		
10.5		53.5	59.9		
9.9		54.5	2.0		9.8
9.9	56	1.0	15.0		9.6
7.5		47.0	41.5	Cbl	7.7
9.2	57	0.5	37.0		9.1
10.5		0.5	12.2		
10.6		13.0	11.7		
9.1		16.0	34.1	Cb	9.2
10.6		22.0	43.6		
9.6		24.0	42.8		} 8.5
9.2		25.0	43.1	Ca	}
10.6		42.0	22.1		
9.5		42.5	32.7		9.3
10.2		52.3	33.5		
10.0		52.8	54.9		9.5
9.2		53.8	0.0		9.5
9.6	58	1.3	30.5		9.3
10.2		9.8	27.3		
9.2		12.8	2.3		9.5
10.2		18.3	6.3		
10.2		41.3	22.5		
10.5		42.8	6.1		9.6
10.0		51.3	25.9		10.
8.2		54.8	0.0	Cal	8.2
10.4	59	0.3	45.9		
9.2		1.8	41.0		9.5
8.6		4.8	16.3	Ca	8.8
9.1		5.6	38.2		9.4
8.8		7.1	43.3	Ca	8.7
9.4		22.1	15.1	Ga	9.1
10.3		22.1	32.4		9.7
7.7		24.1	28.9	Cal	8.3
10.2		29.1	6.9		9.5
10.5		51.6	26.4		
10.6		55.6	1.7		9.5
10.4	0	11.1	49.9		
10.2		19.6	5.7		
9.4		36.1	13.8	b	9.5
9.0		36.6	55.9		9.3
10.6		43.1	15.5		
10.4	1	9.6	8.[illegible]		9.8
9.8		15.1	31.6		10.
9.8		20.6	47.8		9.8
9.8		27.6	35.6		9.8
8.0		29.6	55.7	Cbl	8.2
8.7		36.6	4.[illegible]	Ca	8.5
10.6		38.0	57.1		
10.0		42.6	39.[illegible]		
	+1	5.0	+ 0.1		

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1081—1140.

mag.	6h. m	s	−19° ′		
9·2	1	44·6	43·0		9·5
10·6		46·6	19·9		
10·2		49·1	18·5		9·6
10·6	2	5·6	16·4		
9·6		10·6	34·1		9·5
7·4		15·1	9·2	GSlπβ	5·8
9·4		15·6	25·1		9·5
10·2		16·1	29·8		
9·2		18·1	46·6		9·5
10·6		28·1	35·9		
10·5		30·1	52·6		
10·6		36·1	25·5		
9·2		37·1	9·3		9·5
8·2		42·1	45·3	Ca	8·3
7·9		44·1	24·8	Cal	8·3
8·6	3	4·6	4·6	a	9·1
10·6		5·1	45·6		
10·2		13·1	38·8		
9·4		13·6	44·7		9·7
10·2		18·6	0·2		
10·0		38·1	56·9		9·5
9·6		43·1	55·6		9·4
9·8		50·1	0·2		
8·9	4	5·1	34·3	Ca	9·1
10·2		6·1	10·8		
10·4		18·1	31·9		
10·2		40·6	52·7		
9·6		47·6	34·6		9·6
10·6		50·1	15·4		
10·2		58·1	50·9		9·9
10·5	5	2·8	4·8		
10·5		10·3	51·9		
10·0		10·8	43·6		9·8
10·6		11·8	46·2		
9·4		14·8	7·1		9·4
9·6		19·8	23·1		9·4
10·2		20·3	55·2		9·5
10·2		40·8	33·9		
9·6	6	3·8	44·9		9·3
9·9		10·8	46·9		
10·6		15·8	31·2		
10·0		25·8	19·5		9·5
10·0		31·8	2·6		
9·2		34·8	6·9		9·4
10·6		34·8	18·9		
10·0		51·8	9·3		
10·2		59·8	46·1		9·4
10·5	7	0·0	9·3		
9·6		10·0	13·5		9·7
9·6		11·0	8·2		9·7
9·4		12·0	18·2		9·6
10·5		12·0	30·7		
10·2		14·5	41·9		9·5
9·1		30·5	33·2		9·2
10·6		40·5	51·4		
10·6		42·0	45·0		
10·4		46·0	57·4		
9·5		47·5	18·2		9·4
8·8		51·0	14·7		9·2
10·6	8	6·0	45·7		
25pr.	+ 1	5·0	−0·2		

1141—1200.

mag.	6h. m	s	−19° ′		
10·4	8	10·0	10·2		
10·2		18·5	24·5		9·5
8·8		38·4	34·3	Cal	8·7
8·5		54·4	29·3	Cal	8·0
10·2	9	10·4	41·6		
9·0		14·4	6·5		9·2
9·6		16·9	11·8		9·4
10·0		20·9	14·7		
8·8		24·9	41·1	Ca	8·7
9·8		31·9	53·4		9·5
10·1		42·4	50·0		
8·8		43·9	0·8		9·1
9·8		51·9	14·8		
9·6		51·9	37·9		9·5
8·0	10	10·4	27·2	Cbl	7·8
10·0		10·9	7·4		
8·4		13·9	45·8	Ca	8·2
10·2		15·4	21·3		
10·2		32·9	11·6		
9·8		40·9	13·2		
8·3		56·9	18·4	Cbl	8·3
9·8	11	0·9	6·1		
10·0		6·4	29·1		
9·8		16·4	3·8		9·8
10·2		21·9	54·1		
9·2		29·4	58·2		9·3
9·8		39·9	52·6		9·5
10·2		55·4	39·8		
9·0	12	9·9	28·7	C	8·8
7·0		17·9	8·6	GCbl	7·0
10·0		19·9	37·4		
10·1		21·9	39·0		
10·2		29·6	31·1		
10·2		40·6	38·5		
10·2		43·6	18·7		
9·5		49·6	11·2		9·4
5·7		50·6	55·3	GCal	5·5
9·6	13	0·1	29·7		9·5
10·2		10·1	48·6		
9·5		27·6	52·0		9·8
9·4		36·1	2·0		
10·0		44·1	50·4		
9·8		45·1	43·8		9·5
10·2		47·6	18·0		
9·2		47·6	35·2		9·4
9·8	14	0·1	33·0	a	9·5
8·8		2·6	26·1	Ca	9·0
10·2		11·6	23·5		
9·4		15·4	3·3		9·1
8·8		20·4	40·7	a	9·2
10·2		21·9	13·9		} 9·0
8·6		21·9	13·6	C	}
9·1		23·4	6·3		9·5
9·8		39·9	26·3		
10·2		43·4	38·0		
9·3		44·4	26·2	a	9·4
10·2		59·4	53·5		
9·6	15	12·4	29·9		
10·2		12·4	8·8		
10·2		24·4	25·2		
	+ 1	5·0	−0·4		

1201—1260.

mag.	6h. m	s	−19° ′		
8·6	15	27·4	19·8	Ca	8·6
9·4		33·9	18·1		9·5
10·2		43·4	43·9		9·7
9·2		43·9	11·7		9·3
10·1		46·4	9·3		
9·0	16	10·0	59·0		9·1
9·4		12·8	23·0		9·5
8·4		13·3	47·0	Cbl	8·2
10·2		23·8	29·3		
9·8		26·8	55·0		
10·1		31·3	7·7		
10·2		32·3	22·4		
10·1		32·3	21·6		
10·2		33·8	38·2		
10·2		36·8	1·9		
9·3		52·3	46·3		9·8
10·0		52·8	29·4		
8·4		53·3	2·4	Ca	8·7
9·3	17	0·3	56·7		9·5
10·2		0·8	30·1		
10·0		16·3	44·5		
9·0		17·3	26·3		9·3
9·1		29·8	46·0	C	9·1
9·8		37·8	51·7		
10·2		38·8	55·9		
9·4		40·3	16·5		9·4
9·6		42·8	50·4		9·5
9·8		44·3	47·9		
9·5		57·5	23·1		9·5
9·2	18	12·0	4·9	a	9·4
10·2		16·5	24·6		
10·1		18·5	32·2		
6·8		23·0	43·3	GCbl	7·0
9·4		27·5	4·5	a	9·2
9·8		30·5	5·8		
10·0		33·5	39·3		
9·8		44·0	55·9		
9·8		44·5	0·7		
8·8		46·0	56·7	C	8·7
9·2		50·5	9·5		
9·6	19	1·0	41·8		
10·0		1·5	30·1		
10·2		1·5	36·2		
10·0		7·0	45·6		9·8
8·5		28·0	39·0	Ca	8·5
10·1		35·5	25·2		
9·6		42·5	34·3		
10·2		43·0	12·0		
9·2		45·8	2·4		9·5
10·1		53·8	47·2		9·8
9·8		55·8	54·2		
9·8		57·3	50·5		9·3
10·2		58·3	22·6		
10·2	20	1·3	45·7		
10·2		2·8	46·6		
10·2		5·8	45·1		
9·8		8·8	36·0		
8·4		8·8	55·5	Ca	8·3
9·2		28·8	47·6		9·3
10·2		34·3	58·4		
	+ 1	5·0	−0·7		

1261—1320.

mag.	6h. m	s	−19° ′		
10·0	20	37·8	50·4		
9·5		43·8	10·3		9·8
9·5		56·3	30·4		
9·3		59·5	50·9		9·5
7·5	21	2·0	15·1	Cal	7·3
10·2		12·5	8·9		
9·5		13·5	29·4		
9·3		15·5	12·4		
9·4		16·5	39·2		9·8
9·5		21·5	24·5		
10·0		29·0	59·2		} 9·5
10·1		31·0	59·2		}
10·2		35·0	18·2		
9·2		39·0	13·2		9·4
10·2		40·6	5·7		
10·2		41·6	4·4		
9·8		47·0	33·9		
10·0	22	1·5	36·2		
10·2		5·0	6·8		
8·4		10·5	22·6	Cal	7·8
10·2		14·5	2·6		
10·2		16·0	50·7		
9·3		21·5	8·5		9·5
10·2		22·5	29·7		
9·8		26·0	37·2		
8·6		31·5	1·4	Ca	8·5
10·2		38·5	57·0		
9·2		49·4	20·9		9·4
8·5		51·4	43·1	Cal	7·8
9·8	23	12·4	57·8		9·8
8·7		16·4	36·6	Ca	8·8
9·0		27·9	58·0	Ca	8·8
9·8		43·4	43·4		9·1
9·6		50·9	52·1		
9·4		52·4	22·4		9·5
9·4	24	11·4	20·1		
10·2		15·9	33·2		
10·1		21·4	32·1		
9·2		40·9	0·4		9·5
9·3		41·4	45·8		
8·2		45·3	7·8	GCbl	6·0
9·8		45·4	44·5		9·5
10·1		52·8	40·5		
8·9		53·8	8·9		9·3
9·2	25	11·8	19·3		9·4
9·2		17·3	50·8		9·5
10·2		19·8	52·2		
8·8		27·8	56·4		9·1
9·4		31·3	22·9		9·5
9·4		32·8	46·8		
9·2		35·8	24·9		9·5
8·8	26	9·3	8·6	C	8·8
10·0		15·3	23·9		9·5
10·1		31·1	28·3		
9·2		32·1	36·2		9·5
9·2		33·6	22·7		
10·2		35·2	55·5		
10·1		43·1	59·1		
10·0		45·6	55·2		
9·8		52·1	12·2		9·3
	+ 1	5·0	−0·8		

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1321—1380.

mag.	6h. m	s	—19° ′		
9·8	26	57·1	42·3		9·5
8·2		59·1	57·7	C	8·5
9·2	27	4·6	20·5		9·2
8·8		8·1	40·3		9·0
9·6		15·1	41·1		9·8
10·2		16·1	21·8		
8·6		22·1	55·8	Cb	8·5
9·2		32·6	36·9		9·5
9·5		42·6	50·0		
10·2		56·1	38·1		
10·2		59·4	59·1		
8·6	28	7·8	20·5		9·4
9·2		14·3	17·5		9·2
10·1		38·0	31·7		9·8
9·6		39·0	50·9		9·5
9·8		42·5	11·2		9·5
10·0		50·5	1·5		
10·0		53·5	27·1		
10·4		54·5	49·8		
10·4	29	6·0	1·4		
9·4		7·5	51·4		
10·0		12·5	59·5		
8·9		16·5	7·2	C	9·0
8·0		22·5	51·2	Cbl	8·1
9·2		25·5	53·4		9·8
8·6		26·0	32·8	Cbl	7·8
10·4		31·0	55·3		
9·8		32·5	0·7		
9·3		38·5	48·8		9·5
10·0		42·6	36·4		
9·1		46·5	47·0		9·5
9·4		51·5	44·8		9·8
10·2		53·5	53·1		
9·0		56·4	16·7		9·2
9·8	30	3·4	16·6		9·4
10·4		8·3	58·0		
9·2		9·4	0·7		9·2
9·2		13·4	36·1		9·4
9·6		17·4	7·2		
9·3		18·4	27·1		9·4
9·1		30·4	26·5		9·0
10·4		36·9	46·6		
9·6		40·4	31·0		
10·4		54·4	39·3		
10·4		54·4	34·5		
7·6		54·9	23·3	Cbl	7·3
9·8		55·4	0·5		9·7
10·4	31	0·9	49·6		
6·4		13·4	9·0	GSl$\pi\beta$	4·2
10·0		22·4	23·6		9·6
10·4		27·9	3·9		9·8
10·2		42·4	41·2		
9·4		42·9	3·6		9·8
9·6		54·4	15·9		9·4
7·8	32	2·4	41·2	Cbl	7·5
10·4		7·9	18·0		
9·0		16·4	12·2	C	9·0
10·2		28·9	15·3		10·
9·8		32·4	37·2		
9·8		32·4	25·9		9·5
spr.	+ 1	5·1	− 1·1		

1381—1440.

mag.	6h. m	s	—19° ′		
10·2	32	40·4	24·1		
10·2		44·4	47·7		9·5
9·6		47·4	20·9		9·3
9·6	33	1·4	54·6	a	9·1
10·2		45·4	1·1		9·7
10·0		55·4	42·1		
9·8	34	2·4	46·7		
9·6		3·8	53·0		
9·8		5·8	58·9		
9·2		16·3	51·1	a	9·4
10·4		25·8	27·9		
10·4		30·8	11·3		9·8
8·6		32·8	3·5	Ca	8·5
9·5		55·8	47·8		9·5
10·0	35	5·3	52·5		9·4
9·5		5·8	57·7	C	8·9
10·4		17·8	45·9		
9·2		39·3	11·0		9·1
10·4		41·8	47·2		
9·2		51·3	35·9		9·2
9·1	36	4·3	33·9	a	9·3
9·3		13·3	7·9		9·4
9·1		21·8	33·2		9·5
9·2		34·8	8·1		9·4
9·4		45·8	38·6		9·3
10·0		46·6	57·2		9·5
8·5		53·8	39·7	Ca	9·0
8·6		55·8	58·1	a	9·0
10·4	37	1·3	46·1		
10·4		1·8	5·4		
9·0		14·8	30·7	a	9·0
8·6		21·8	13·9	Ca	8·7
9·3		25·3	53·2		9·4
9·0		40·8	21·0	Ca	8·7
10·0		43·8	50·9		
8·6		47·8	1·7	Ca	8·5
9·4		52·3	42·7		9·2
10·4		52·8	0·2		
10·2	38	2·3	5·5		10·
10·1		2·8	54·3		
10·0		45·8	19·9		9·4
10·0		53·3	35·0		9·4
10·2	39	3·8	50·1		9·8
10·4		4·3	7·3		
7·9		5·4	31·8	C	7·7
10·4		10·9	7·6		
9·3		22·4	44·2		9·3
10·3		25·9	17·6		9·4
9·8		39·4	38·2		9·4
9·4		53·9	4·6	a	9·2
9·6		54·4	16·3		9·3
10·2		57·4	55·0		
9·2	40	23·4	23·4		9·3
10·0		30·9	44·0		
10·2		37·4	6·6		?
10·1		39·4	58·8		
8·4		42·4	15·9	C	8·5
8·8		46·4	40·0		9·0
10·0	41	0·9	16·0		
9·2		0·9	26·6		
	+ 1	5·2	− 1·3		

1441—1500.

mag.	6h. m	s	—19° ′		
8·0	41	1·4	44·6	C	6·5
9·0		1·9	3·8	a	9·2
9·4		6·9	41·6		9·3
9·2		11·9	58·7		9·2
9·3		22·4	14·2		8·9
9·8		24·4	34·8		
10·2		25·4	19·4		
10·4		32·4	43·8		
8·9		39·4	30·2	C	8·8
9·6		44·4	15·6		
10·2		52·4	43·4		9·9
10·0		53·4	10·2		9·4
9·4	42	2·4	2·0	a	8·9
10·3		5·4	24·7		
10·1		6·9	36·4		
9·0		7·9	22·6		9·3
9·4		11·9	24·8	C	9·1
9·6		12·9	35·1		
9·6		30·4	45·5		9·7
9·5		30·9	6·3		
10·0		31·9	59·6		
9·1		36·4	46·4		9·2
8·8		36·9	0·0	a	8·7
8·3		53·9	52·6	C	8·6
9·8		53·9	49·2		9·3
9·2		53·9	33·9		9·4
9·2		55·9	47·3		9·5
9·2		58·4	57·8		9·2
10·4	43	1·4	59·4		
9·8		3·9	0·3		9·8
9·8		10·4	28·4		
8·7		10·9	25·0	Ca	9·1
10·4		10·9	24·4		
9·3		10·9	57·1		9·1
9·1		23·4	40·8		9·5
10·2		31·9	42·8		
10·0		37·9	32·6		9·8
10·2	44	8·4	40·1		
10·2		11·0	53·4		
8·5		16·4	14·6	Ca	7·8
8·8		22·4	7·4	a	9·1
10·3		34·4	7·0		
10·0		41·4	56·9		
9·8		44·4	10·9	a	9·5
9·0		46·9	52·8	C	9·1
9·0		47·9	26·1		9·0
10·1		49·4	11·6		9·3
10·4		50·4	17·4		
10·4		53·9	5·8		
10·1	45	5·1	6·2		
9·3		10·6	28·2		9·5
10·3		11·6	32·0		
10·0		25·1	9·6		9·5
9·8		29·6	38·3		
9·3		33·6	13·4		9·5
8·6		35·1	26·4	Ca	8·3
10·0		45·1	30·1		
9·3		48·6	40·1		9·3
9·8		49·6	37·9		9·8
10·3	46	3·1	34·8		
	+ 1	5·2	− 1·6		

1501—1560.

mag.	6h. m	s	—19° ′		
10·0	46	4·6	28·4		
10·3		6·6	31·2		
9·3		10·6	32·5	a	9·0
10·2		11·6	1·2		
9·8		20·6	51·1		
8·9		29·1	6·9	GCa	8·5
10·4		32·1	14·6		
10·4		36·6	46·2		
9·8		45·6	59·6		9·4
10·4		51·6	43·8		
9·3	47	26·6	29·4		9·5
10·4		29·6	14·9		
9·3		29·6	58·6	C	8·7
10·1		34·6	48·4		
8·6		40·6	10·6	Ca	8·3
10·2		41·6	36·0		
10·4		44·6	56·9		
8·6		50·6	26·0	Ca	8·3
10·1		54·6	22·0		} 9·5
10·4		55·1	21·8		}
8·2		56·3	13·9	Ca	8·2
10·3	48	2·2	53·9		
9·6		3·8	11·0		
9·0		7·8	35·8		9·0
9·3		18·8	46·2		9·2
10·4		19·9	11·5		
10·2		28·8	5·3		9·8
10·4		42·0	0·2		
9·3		47·7	12·2		9·1
10·3		47·8	11·4		
10·2		54·8	8·3		
9·3		55·8	18·5	a	9·0
10·3	49	1·3	54·8		
9·8		6·8	24·2		9·6
10·4		8·3	53·4		
9·0		10·8	31·3		9·3
9·4		11·8	47·7		
9·2		12·3	39·1		9·2
9·2		14·8	6·6	a	9·0
10·4		17·8	39·4		
9·5		23·8	45·8		
10·2		26·0	58·9		
9·5		27·3	44·8		
9·3		27·7	27·5		9·4
9·4		32·7	24·0	a	9·2
10·3		42·2	37·3		
10·2		57·7	7·1		
9·8	50	6·2	36·9		9·4
9·7		8·2	5·0		10·
5·6		12·5	58·8	GSl$\pi\beta$	5·1
9·4		13·7	12·8		
9·8		19·2	11·4		
10·4		22·7	19·7		
10·4		23·7	28·8		
8·9		26·7	36·0	Ca	8·0
9·4		42·7	12·4		9·4
10·2		43·7	55·1		
9·2		46·7	15·7		9·5
8·9		48·7	53·6	a	9·1
9·4		50·7	9·1		9·5
	+ 1	5·3	− 1·8		

1561—1620.

mag.	6h. m	s	−19° ′		
10.2	50	50.7	56.1		
9.4		51.7	26.4		9.5
9.4		53.2	49.3		
9.4	51	7.8	57.6		9.4
10.4		16.7	33.6		
8.6		20.7	48.4	a	9.2
10.4		20.7	42.0		
9.8		22.7	35.7		9.5
10.3		23.7	25.8		
10.2		25.2	6.0		
8.8		28.2	58.3	a	9.1
8.7		32.7	32.9	Ca	8.5
7.5		33.7	16.3	GCbl	7.0
10.2		33.7	36.4		
10.2		38.7	35.6		
9.2		40.7	14.6		9.3
9.8		53.7	35.0		
9.8		56.2	43.0		
9.4	52	6.7	12.4		9.4
9.8		7.7	23.4		
10.0		8.1	38.9		
10.2		8.2	38.7		
9.2		14.6	9.3	a	8.9
9.4		16.6	45.7		
10.4		20.1	37.1		
10.4		20.6	47.0		
10.2		23.1	29.3		
9.2		27.6	20.8		9.5
9.1		39.1	12.4		9.3
10.3		42.1	38.3		
9.0		43.1	56.7	a	9.6
9.8		46.6	54.5		
9.3		47.6	17.2		9.5
9.8		52.6	41.7		9.5
9.3		59.6	56.4		9.2
10.3	53	2.6	29.6		
9.0		3.6	55.7	a	9.2
9.9		6.1	48.6		
9.3		8.6	32.7		9.2
9.7		11.1	33.0		
8.6		17.1	9.6	Ca	8.8
10.3		18.6	57.2		
10.3		20.6	41.0		
9.4		21.6	55.2	a	9.5
8.6		23.6	14.4	a	9.1
10.2		25.6	38.5		
9.2		27.6	56.7	a	9.2
9.2		30.1	14.3		9.5
9.4		33.6	12.1		
10.4		37.6	37.7		
10.4		39.6	10.3		
10.4		49.1	37.0		
9.7		51.1	32.9		9.5
9.2		51.6	53.6		9.5
10.2		59.6	13.6		
10.4	54	6.6	23.0		
8.6		7.6	22.1		8.9
9.7		13.6	52.5	a	9.4
9.8		16.6	0.9		
10.2		29.5	35.7		
25pr.	+ 1	5.3	− 1.9		

1621—1680.

mag.	6h. m	s	−19° ′		
6.6	54	43.5	59.3	GCa	6.7
8.3		49.0	37.6	Cal	7.2
9.7		50.5	44.5		
8.8		54.5	51.5	Ca	8.8
9.2	55	3.0	3.4		9.4
10.4		4.0	8.5		
10.3		6.0	5.8		
9.4		8.5	37.1		
8.6		11.5	44.5	a	9.0
10.3		19.0	28.7		
7.6		24.5	16.1	GCbl	7.2
10.2		33.5	38.7		
10.2		36.0	52.3		
10.4		51.5	20.5		
9.2		51.5	21.2		9.4
10.4		58.0	58.4		
8.4	56	1.5	1.5		8.6
10.2		9.5	31.7		
10.0		10.0	6.3		
8.8		10.5	25.3	C	8.7
10.0		12.0	10.7		9.5
9.8		15.0	54.4		
10.3		22.0	23.1		
10.4		25.0	38.7		
9.6		27.0	28.8		9.5
10.2		33.5	6.3		
10.2		42.0	32.9		
9.5		56.5	16.5		9.5
10.3		58.5	42.1		
10.0	57	1.0	4.7		
10.3		1.5	0.8		
10.0		3.0	55.8		
9.8		8.5	34.9		
8.2		10.0	35.3	Cal	8.0
10.2		11.5	13.2		
10.2		12.5	5.0		
9.9		13.5	9.2		
10.4		15.5	51.4		
8.9		17.5	31.8		9.1
9.3		20.5	56.0	a	9.1
9.8		22.5	21.3		9.4
10.3		23.5	44.3		
10.4		27.0	25.5		
9.8		32.5	39.3		
9.7		33.5	46.4		9.5
9.9		34.0	36.9		?
9.4		37.8	57.3		9.6
9.2		39.0	7.8	a	9.2
10.4		41.0	15.4		
10.3		41.5	3.7		9.5
10.4		44.0	58.2		
10.3		46.5	36.9		
10.2		52.0	45.9		
10.4		55.5	23.4		
9.4		58.5	28.8		9.6
9.5		58.5	1.9	a	9.0
9.2		59.0	54.0		9.4
9.8	58	1.5	10.1		9.3
9.8		2.5	14.2		9.7
10.2		2.5	50.5		
	+ 1	5.4	− 2.1		

1681—1740.

mag.	6h–7h. m	s	−19° ′		
10.0	58	3.5	2.1		
9.7		6.5	18.4		
9.4		7.5	28.7		9.8
10.3		11.0	36.0		
10.3		21.0	34.9		
9.9		22.5	45.7		
9.4		22.5	9.4		
9.8		32.5	26.9		
10.4		37.0	39.7		
8.8		44.9	21.6		8.8
10.4		46.9	49.2		
8.9		48.4	4.2	a	8.5
9.4		48.9	32.6		9.1
9.4		52.4	49.0		
10.0		53.9	2.0		
10.4		59.9	56.4		
10.0	59	3.4	2.8		9.8
10.2		7.4	13.5		
10.2		23.4	21.9		
9.9		26.4	2.5		
8.6		31.4	37.4	C	8.5
8.8		33.4	46.7	C	9.0
9.8		40.9	8.0	a	9.4
9.8		42.4	10.2		10.
10.3		42.4	59.6		
10.0		42.9	27.7		9.7
10.4		43.9	22.8		
9.8		44.4	8.1		
10.0		47.9	15.6		
8.6		49.9	40.0		9.0
9.8		56.4	43.1		
9.6	0	3.9	53.0		
10.3		8.9	53.2		
8.8		9.4	13.2	a	9.0
10.4		10.9	57.6		
10.2		11.8	47.2		
8.6		14.4	28.2	Ca	8.6
9.9		20.9	10.6		
10.4		23.9	14.0		
9.4		27.9	58.1		9.3
9.2		47.2	19.5		9.5
10.3		49.7	5.5		
10.2		50.2	22.0		
9.3		52.7	9.1	C	9.5
9.9		55.2	34.1		
10.3		56.2	58.3		
10.3		59.2	12.8		
10.4	1	2.2	55.2		
9.2		6.2	27.4	a	9.3
9.4		6.2	28.4		9.1
9.3		6.2	11.5		9.5
9.5		11.7	55.7		9.5
9.6		16.2	10.9		9.7
8.9		17.7	27.8	a	8.9
10.3		19.2	46.7		
9.7		20.2	31.1		9.6
9.8		28.7	10.1		9.4
9.7		30.7	44.6		
10.4		31.2	18.1		
9.4		32.2	21.1		9.3
	+ 1	5.4	− 2.2		

1741—1800.

mag.	7h. m	s	−19° ′		
9.4	1	33.2	32.5	a	9.0
10.3		33.2	36.6		
9.3		35.7	49.0		9.7
9.5		36.2	26.8		
10.0		36.2	32.9		
10.0		36.2	39.4		
10.4		43.2	9.9		
10.4		43.7	35.0		
10.0		46.2	58.5		9.4
10.4		48.2	4.7		
9.8		48.2	27.4		
9.8		49.2	7.1		
10.3		52.7	44.1		
10.4		52.7	20.4		
9.7		53.7	27.1		
9.6		54.2	32.7		
10.4		56.2	24.8		
9.5		58.7	21.1		
9.2	2	6.2	16.3		9.4
9.8		10.7	49.1		
10.1		13.0	28.3		
9.8		13.2	14.6		
9.6		15.0	27.4		9.5
10.4		18.5	32.4		
10.0		28.0	14.2		
10.4		33.0	16.5		
10.2		35.0	58.8		
10.4		37.5	53.8		
10.4		39.5	41.1		
10.4		40.0	13.2		
9.5		41.5	26.0	}	9.2
10.0		42.5	26.2	}	
10.2		43.5	33.9		
10.0		46.5	39.9		
10.4		52.0	41.0		
10.3		54.0	2.0		
10.2		56.0	25.6		
9.9		56.0	57.4		9.6
9.9		57.0	53.9		
9.4	3	0.0	6.3		
9.5		0.0	26.0	a	9.2
10.2		2.0	18.4		
9.3		2.0	16.5		9.5
9.8		5.5	4.0		
9.0		9.5	8.3		8.8
9.5		9.5	58.0		9.5
10.2		17.5	12.4		
9.0		19.0	20.8	a	9.2
10.3		20.5	49.0		
10.4		21.5	40.1		
8.9		22.5	43.6	C	8.2
9.4		30.0	48.0		9.7
9.0		30.0	18.9	a	9.0
9.7		31.5	9.8		
10.3		32.5	55.1		
10.2		44.5	10.7		
9.9		48.0	14.2		
9.4		51.5	36.8		9.8
9.3		53.0	22.2		9.4
10.2		55.5	41.7		
	+ 1	5.4	− 2.3		

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1801—1860.

mag.	7h m s	—19° ′		
9·8	3 59·0	32·8		
9·2	4 6·0	59·9	C	: 9·1
10·3	14·0	37·6		9·8
10·2	16·0	28·9		9·8
9·2	20·5	53·7		9·3
9·4	24·0	56·3		9·3
9·4	25·0	1·5		9·7
10·4	25·5	37·4		
10·0	26·0	4·3		
9·8	32·0	48·7		
8·2	32·5	23·1	Ca	7·7
10·2	36·5	50·4		
9·9	37·0	40·0		
9·0	43·0	24·0	a	9·0
8·5	43·0	33·4	a	8·7
10·4	43·5	42·6		
8·0	43·5	0·0	C	7·4
10·4	46·5	7·6		
9·4	46·5	34·5		9·8
10·4	48·5	33·3		9·8
9·8	50·5	32·9		
9·6	51·5	35·3		
9·4	53·5	18·0		9·9
10·3	53·5	28·5		
10·4	54·0	59·9		
10·4	57·5	44·0		
9·8	58·0	37·8		9·9
10·4	5 2·5	20·7		
9·5	2·5	42·8		9·5
10·2	6·0	25·2		
10·2	7·0	12·9		
10·2	8·5	55·3		
9·0	18·0	51·7		9·0
9·1	18·0	4·3		9·5
9·4	20·0	3·4		9·5
10·2	20·0	34·1		
9·2	33·0	53·5	Ca	8·7
10·4	35·0	34·7		
8·9	35·5	35·8	a	8·3
10·4	50·3	58·9		
10·2	50·5	10·8		
9·7	51·5	3·6		10·
9·8	53·0	39·9		9·7
10·4	57·5	12·5		
9·0	58·0	58·6	a	9·1
9·4	6 1·5	42·9	a	9·2
9·6	3·5	1·0		10·
9·5	5·5	11·5		
9·3	9·0	1·5		9·5
9·0	10·5	12·9		9·2
9·5	22·0	44·1		9·7
10·4	24·0	28·3		} 9·6
9·8	25·5	28·0		}
8·3	26·0	41·4	Ca	8·2
9·8	30·5	4·9		
8·7	31·7	58·6	Ca	8·7
9·4	31·7	57·7		
8·4	43·0	24·7	C	8·0
8·6	43·0	3·7		8·7
9·4	48·0	33·7		9·7
25pr.	+ 1 5·4	—2·3		

1861—1920.

mag.	7h m s	—19° ′		
9·9	6 48·5	22·1		
10·4	54·0	34·1		
10·3	57·5	23·9		
10·4	57·5	22·9		
10·4	58·5	14·5		
10·3	7 0·5	35·1		9·6
10·3	2·2	25·9		
9·5	2·5	45·1		9·9
9·8	3·0	46·1		9·9
10·3	5·5	45·8		
10·3	10·5	58·5		
9·5	11·0	56·9		9·4
10·3	11·5	56·4		
10·4	12·0	37·7		?
10·2	14·0	38·4		
10·4	15·5	4·6		
9·4	22·0	45·0		9·5
10·4	22·0	20·6		
9·4	26·0	41·0		9·8
10·4	30·0	51·9		
10·4	30·9	1·7		
10·4	31·9	2·9		
9·8	32·9	33·4		9·9
9·6	38·9	25·7		9·5
10·0	40·9	52·9		
9·4	42·9	42·1		9·7
10·3	46·9	20·7		
9·2	47·9	48·7		9·6
9·1	54·9	34·7		9·4
10·1	8 2·4	36·9		10·
9·8	7·9	37·1		9·7
10·2	8·4	26·3		
9·8	11·9	52·5		10·
10·1	16·4	12·9		
10·4	17·4	36·1		
10·2	19·4	54·5		
9·2	20·9	48·1	a	9·2
10·4	23·9	20·9		
10·0	25·9	34·8		
10·3	27·9	55·3		
9·4	32·9	49·5	a	9·3
10·2	43·4	25·1		
10·4	47·9	13·4		
9·7	52·9	59·3		9·9
9·6	52·9	36·2		
10·2	53·9	58·3		
10·0	58·4	7·6		
10·0	9 1·9	24·0		
9·2	2·9	6·1		9·5
10·4	3·9	11·1		
9·2	4·2	23·7		9·4
7·5	5·9	46·5	Cal	7·0
9·8	9·4	43·9		
9·9	10·9	11·1		9·6
9·4	14·4	21·1		9·5
9·3	17·9	43·3		9·4
9·9	19·9	58·9		9·8
8·8	19·9	45·5	a	9·1
10·1	20·9	31·4		
9·4	25·9	44·5		9·8
	+ 1 5·5	—2·4		

1921—1980.

mag.	7h m s	—19° ′		
10·2	9 32·9	21·7		9·8
9·8	33·9	7·9		
8·8	33·9	46·6	Cal	8·6
9·8	47·7	43·7		
10·0	47·9	1·3		
8·9	55·2	38·3		9·3
10·2	55·7	11·2		
9·9	10 0·7	34·9		
9·5	3·7	2·4		9·5
9·6	3·7	40·7		
9·4	6·2	29·3		9·8
8·2	8·7	54·7	Cal	8·0
9·4	11·7	8·1		9·6
9·8	14·7	40·3		
10·0	16·2	8·5		9·8
10·0	22·7	31·7		?
10·2	33·7	18·3		
9·2	36·7	16·3		9·1
10·0	42·1	57·7		
9·8	47·7	36·1		
10·2	49·7	19·5		
9·4	51·2	31·7		9·5
9·6	52·7	12·1		
8·9	56·7	15·3		9·3
9·4	59·2	12·5		
10·1	11 1·7	49·7		
9·8	2·7	24·9		
10·2	4·2	11·1		
9·6	4·2	31·7		
10·0	8·2	52·5		9·5
9·0	9·7	28·8		9·0
10·0	14·2	56·1		
10·1	14·2	50·5		
9·7	14·7	16·3		
10·2	17·7	13·5		
9·8	20·7	9·1		9·3
9·7	22·7	36·7		9·2
10·3	23·7	36·4		
9·8	25·2	18·7		
9·8	27·7	18·1		10·
10·3	31·5	27·0		
9·8	32·0	26·0		
9·0	33·5	39·4	C	8·8
9·8	38·5	1·1		
9·4	40·5	50·5		9·8
9·7	43·0	4·9		
10·1	45·0	59·8		10·
9·7	46·5	24·7		9·5
10·2	12 4·0	3·9		
9·5	6·5	30·0		
10·2	12·5	53·1		
10·2	14·0	5·8		9·8
10·1	20·0	32·2		
9·7	20·5	22·4		9·4
9·5	23·5	9·2		9·6
9·6	30·5	30·5		9·6
10·3	31·5	47·7		
9·8	32·5	46·9		10·
8·7	44·5	36·6		9·0
10·2	45·0	8·3		
	+ 1 5·5	—2·5		

1981—2040.

mag.	7h m s	—19° ′		
10·3	12 46·5	16·1		
9·4	52·1	59·0		9·6
10·1	53·5	13·8		
9·8	58·5	32·7		10·
9·0	13 2·5	0·7		9·2
9·3	3·5	49·3		
9·7	5·5	20·9		
10·1	7·1	59·9		
9·2	7·5	0·0		9·5
10·1	8·5	17·7		
10·3	11·0	14·7		
8·7	11·5	11·7	C	8·8
10·1	12·5	57·8		
10·4	13·0	55·1		
8·4	14·0	54·2	Cbl	8·5
9·6	15·5	43·3		9·8
8·6	17·5	53·0	Cbl	8·6
8·9	22·5	49·5		} 9·2
9·6	22·5	49·3		}
9·7	22·5	20·2		
8·9	28·0	3·6		9·3
8·6	29·8	14·5		8·9
7·6	32·8	3·2	GCbl	6·5
9·6	38·3	50·5		9·6
10·4	38·8	39·3		
9·3	39·8	10·0		9·5
10·3	46·3	37·2		
10·2	47·3	40·6		
9·6	53·3	18·1		
10·4	53·8	32·9		
9·7	14 6·3	33·3		9·8
9·7	11·3	20·1		
10·0	12·3	51·3		
10·0	15·8	36·9		10·
9·2	17·8	1·8		9·6
8·4	19·8	44·5	Cbl	8·5
10·3	21·3	16·7		
9·4	23·3	45·1		9·1
9·6	25·3	29·8		9·7
9·8	33·3	6·3		
10·0	35·4	58·8		9·9
9·5	35·8	16·8		9·6
9·5	38·3	13·5		9·7
10·3	38·3	51·6		
10·3	38·8	25·6		
9·6	42·3	28·8		
9·1	42·3	52·5		9·3
10·4	43·3	19·4		
9·3	44·8	34·9		9·3
10·4	44·8	9·5		10·
9·4	45·8	54·1		9·5
10·4	49·8	4·9		
10·2	51·3	28·8		
10·4	51·3	3·2		
10·1	52·3	53·3		
9·6	52·3	11·5		
10·2	52·3	42·5		
10·3	56·7	46·0		
9·6	57·2	1·0		
9·8	58·7	23·5		
	+ 1 5·6	—2·7		

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2041—2100.

mag.	7h. m s	−19° ′		
10·4	14 59·7	55·7	} 10·	
10·4	15 1·2	55·9		
10·1	1·2	4·4		
10·4	2·7	41·7		
9·4	6·2	53·0		9·7
10·4	7·2	0·3		
10·0	7·7	19·0		
10·1	11·7	19·0		
10·3	15·2	53·0		9·7
9·7	20·7	26·9		
9·0	21·2	42·3		9·1
9·0	22·2	14·9		9·2
9·0	23·7	23·2		9·5
10·3	24·2	7·3		
10·3	24·7	26·8		
9·8	29·7	11·1		
9·9	32·2	20·9		
9·6	36·2	12·0		
9·9	37·7	47·8		
9·4	38·2	38·9		9·7
9·6	43·7	59·7		
9·6	44·2	25·8		
9·0	45·7	59·4		9·0
10·2	48·2	4·0		
8·9	50·7	5·1		9·1
9·0	52·2	2·8		9·4
10·1	53·2	34·3		
9·8	53·7	36·7		
9·9	55·7	3·6		
10·0	57·2	34·6		
8·7	57·7	30·2		9·0
9·4	16 4·0	46·9		
10·4	17·0	47·6		
8·8	20·2	57·7		9·1
9·8	21·0	43·9		
10·3	21·3	34·6		
9·2	22·0	22·1		9·4
9·5	26·0	41·3		
9·9	26·0	6·7		
10·2	27·5	45·5		
9·4	33·0	2·1		10·
9·0	41·0	50·0	C	8·8
9·6	43·5	13·6		
9·7	47·5	49·0		
10·2	51·5	6·3		
9·6	54·0	54·3		9·5
9·0	54·5	43·7		9·0
9·9	56·0	54·0		
9·9	57·0	39·8		
9·8	17 8·5	10·3		
10·3	11·5	3·0		
10·0	11·5	6·5		
10·0	16·0	45·6		10·
9·6	16·0	50·1		9·4
9·1	16·0	33·3		9·3
10·0	16·5	41·5		
10·0	17·5	32·7		
9·9	21·0	3·0		
9·8	22·5	14·7		
10·1	23·5	21·5		
25pr.	+1 5·6	−2·7		

2101—2160.

mag.	7h. m s	−19° ′		
10·0	17 27·4	2·8		
9·5	35·4	34·9		9·5
10·3	38·0	58·5		
9·2	38·9	34·6		9·3
9·2	40·9	44·5		9·7
9·4	41·9	2·0		
9·9	45·9	19·4		
7·6	57·9	59·5	Cal	7·5
9·7	18 1·9	46·3		9·5
10·3	2·9	3·6		
10·1	6·9	38·3		
10·3	7·9	28·3		
10·3	8·9	54·3		
9·6	9·9	58·6		9·8
8·5	11·9	19·0	Ca	8·8
9·2	18·4	26·3		
9·2	19·4	3·7		9·8
10·0	20·9	44·5		
9·6	22·9	46·0		9·4
10·3	24·9	26·0		
8·5	24·9	57·1	Cal	8·1
10·4	26·4	27·2		
9·4	27·4	25·3		
9·6	42·4	42·8		9·4
9·6	43·4	8·5		9·8
9·6	43·9	2·5		
9·6	45·4	58·5		
9·8	50·4	41·5		
9·8	52·4	39·3		10·
9·9	52·9	56·3		
9·3	54·9	58·8		
9·7	57·4	48·0		
10·1	57·8	6·0		
9·9	58·3	19·4		
10·2	58·9	47·4		
9·6	59·3	17·4		
9·8	59·3	3·4		
9·3	19 1·3	13·6		9·2
9·3	6·8	18·7		9·6
9·4	7·8	23·0		9·7
10·2	7·8	29·0		
9·6	12·3	43·8		9·4
9·7	12·8	46·3		
9·8	17·8	9·4		
9·3	18·3	52·6		9·3
9·6	22·8	50·0		9·5
9·6	26·8	8·6		
10·2	29·8	57·7		
9·6	29·8	4·0		10·
10·1	30·8	18·0		
9·5	30·8	52·3		9·5
9·3	32·8	13·4	Ga	9·1
9·4	38·3	20·3		
9·0	38·8	0·6		9·5
9·8	39·8	10·0		
8·6	39·8	40·7	C	9·0
10·0	39·8	27·0		
10·2	45·8	51·7		
9·5	45·8	33·3		9·5
9·5	45·8	32·3		9·5
	+1 5·7	−2·8		

2161—2220.

mag.	7h. m s	−19° ′		
8·9	19 47·8	34·7		9·5
9·5	50·8	32·8		
10·0	56·8	9·2		
10·0	57·3	2·2		
9·8	20 1·3	56·9		9·8
8·4	3·8	11·5	GCa	7·3
10·2	10·8	53·1		
10·3	13·8	17·6		9·5
10·2	18·7	33·0		
10·1	21·7	33·0		
9·4	22·7	48·8		9·5
10·2	32·2	32·3		
9·5	32·7	26·9		10·
10·3	35·7	49·3		
9·3	42·7	55·2		9·3
10·2	46·8	58·1		
9·9	48·7	4·5		
9·5	52·7	15·0		9·8
9·6	55·7	35·8		
10·0	59·7	36·1		
10·4	21 0·7	8·3		
10·4	1·7	46·4		
9·0	2·7	45·0	Ca	8·7
9·8	6·2	37·9		
10·4	10·2	8·8		
9·9	13·2	19·0		10·
9·6	20·7	43·9		
10·0	23·7	21·9		} 9·5
10·0	25·2	22·0		
9·3	29·7	33·0		9·4
10·4	30·0	15·6		
10·4	30·2	6·3		
9·6	32·0	43·6		
9·1	36·5	41·0		9·2
10·0	36·5	5·5		
10·4	40·0	32·7		
9·8	45·5	24·1		9·3
8·2	47·5	44·8	Ca	8·2
10·0	48·0	50·7		
10·0	48·5	54·3		
9·0	49·5	15·3		9·2
10·1	51·0	52·0		
9·1	59·5	52·9		9·2
10·2	22 0·0	29·6		
9·5	2·5	43·5		
10·2	5·0	31·7		
9·3	8·5	12·4		9·2
8·6	12·5	53·9	a	8·6
10·4	14·5	30·0		
9·4	16·0	55·8		
8·8	21·5	57·4	a	8·9
9·0	22·5	55·8	Ca	8·8
9·0	23·5	25·6		9·3
10·4	26·0	53·8		
9·7	28·0	26·0	:	
9·6	28·5	23·7		
9·5	31·5	37·9		9·8
9·9	31·5	9·0		
9·4	32·5	19·0		9·5
10·0	45·0	55·9		
	+1 5·7	−2·9		

2221—2280.

mag.	7h. m s	−19° ′		
9·6	22 45·5	22·5		
9·3	51·0	51·2		9·4
10·3	51·0	52·3		
10·0	51·5	9·8		
9·4	52·5	19·0		9·5
10·3	56·5	43·4		
10·0	23 2·5	10·6		
10·4	6·3	20·5		
9·5	6·5	22·4		10·
10·1	8·0	43·5		
9·8	9·8	18·6		
10·1	11·8	34·9		
10·3	12·3	6·7		
9·4	14·8	31·4		9·4
10·4	15·3	44·5		
10·0	21·3	51·1		
10·4	21·3	38·7		
10·3	21·8	16·7		
8·4	31·3	54·3	Ca	8·6
9·6	31·3	20·9		
9·3	31·3	34·5		9·0
10·0	31·3	24·8		
10·1	35·3	47·7		
10·4	35·3	9·8		
9·4	39·8	48·4		
9·2	44·3	18·5		9·5
9·6	49·3	50·3		
9·4	51·3	8·4		
10·3	51·8	28·8		
9·4	52·3	52·7		9·8
9·8	54·3	55·7		
10·0	55·3	41·7		
10·1	56·8	20·8		
9·1	57·8	6·3	Ca	8·8
9·4	24 4·8	6·4		9·8
9·3	5·3	41·4		9·5
10·4	5·8	23·7		
10·1	7·3	11·8		
8·6	8·3	16·0	GCb	8·4
10·4	10·8	28·9		
9·9	18·3	44·1		9·5
9·6	21·3	54·3		9·6
10·2	22·8	43·1		
10·4	24·3	4·9		
9·6	25·3	28·3		
10·0	26·7	32·3		
10·3	27·3	29·4		
10·3	31·2	31·7		
10·2	31·2	17·7		
8·5	32·2	16·0	GCbl	7·0
9·7	34·7	53·5		
9·8	40·2	3·2		
10·1	45·7	4·5		
10·4	46·7	54·7		
10·1	55·7	1·7		10·
9·6	25 1·2	22·9		9·8
9·8	1·2	28·8		
9·6	2·2	50·5		:
10·0	7·7	15·9		
10·3	11·2	45·2		
	+1 5·8	−3·0		

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2281—2340.

mag.	7^h. m	s	−19° ′		
10·0	25	20·2	27·3		
10·0		25·2	23·9		9·5
10·4		31·7	13·9		
10·0		32·2	1·6		9·6
9·3		35·2	52·4		9·1
9·5		40·2	56·3		9·8
10·3		40·7	39·6		9·5
10·2		44·2	16·6		9·4
10·2		50·2	22·5		
10·1		51·2	47·3		
9·6		52·2	25·4		9·8
9·4		53·7	7·2		9·6
10·4		55·2	31·9		
8·8	26	1·2	14·9	GCal	7·6
9·4		1·2	46·2		
10·4		6·2	44·7		
10·1		6·7	33·7		
9·7		7·7	22·7		
10·1		9·7	59·6		9·8
10·1		17·7	31·9		
10·3		22·5	42·8		9·9
9·3		27·9	14·7	a	9·0
10·4		28·5	32·9		
9·6		32·5	10·2		
9·7		43·0	2·2		9·8
10·2		55·0	17·7		
10·1		55·5	37·6		
10·2		58·0	43·2		
9·2	27	12·0	45·7		9·4
9·6		17·0	16·9		9·8
8·8		23·0	17·0	GC	9·0
10·1		25·0	28·1		
9·6		25·0	43·2		9·5
9·3		26·0	49·7		9·5
9·6		26·0	24·2		
10·4		30·0	21·9		
10·4		35·0	56·2		
10·4		35·5	27·9		
10·3		35·5	38·0		
9·2		38·5	11·7	}	9·1
9·2		38·5	12·0	C }	
10·3		39·0	42·1		
10·3		40·0	38·3		
10·3		40·5	38·1		
9·9		45·0	54·9		
10·3		46·0	51·2		9·8
10·3		46·5	12·1		
9·5		48·0	13·1		9·3
7·8		50·0	8·6	GCa	6·2
9·1		52·3	59·6		9·4
9·7		59·0	12·4		
9·9	28	0·0	54·1		
9·8		1·0	35·8		9·8
9·8		2·8	27·6		
10·0		5·0	50·7		
9·4		7·4	52·4		9·4
10·0		10·4	6·1		
10·2		14·4	32·3		
9·8		15·9	43·4		
10·5		19·8	22·4		
25pr.	+ 1	5·8	− 3·1		

2341—2400.

mag.	7^h. m	s	−19° ′		
10·5	28	20·9	40·0		
9·4		26·4	33·0		9·7
10·1		31·4	29·7		
9·6		32·4	6·9		
9·8		34·9	23·9		
10·5		35·6	22·9		
10·2		36·9	46·4		
10·4		41·4	34·8		
10·5		42·2	34·3		
10·3		42·7	55·3		
10·0		43·4	2·4		
7·2		45·4	52·1	GCbl	7·3
9·8		49·4	59·9		
10·2	29	7·9	23·5		9·4
10·2		9·9	26·7	?	
10·2		10·4	32·1		
10·3		19·4	23·4		
10·5		21·3	59·5		
9·8		21·4	24·3		
9·5		22·9	53·9		
9·8		22·9	22·3		9·8
9·5		24·4	0·2		9·5
9·8		24·9	10·6		
9·4		27·0	59·7		9·5
8·5		30·4	24·2	Ca	8·7
9·6		31·9	41·1		
10·0		35·5	56·7		9·8
8·7		38·4	27·3	a	9·0
10·5		40·4	38·1		
10·1		42·9	16·1		
10·4		44·6	50·1		
10·3		54·6	31·0		10·
8·9		55·1	33·0	a	9·2
10·3		57·1	37·4		
9·9	30	12·1	33·3		
8·6		19·1	30·4	Ca	9·0
8·5		22·1	7·1		9·0
10·4		23·1	1·5		9·8
9·5		24·1	38·7		
9·6		32·1	45·0		
9·5		38·1	14·8		9·5
9·8		40·1	22·9		
9·2		42·1	18·6		9·3
9·6		43·1	48·7		
10·4		47·6	15·7		
10·4		48·6	7·6		
10·3		51·1	40·8		
10·4		52·6	48·9		
8·5		56·6	35·2	Ca	8·7
10·4		57·6	2·2		
9·2		58·1	56·2		9·3
9·9		59·6	2·8		
9·8	31	1·6	37·7		
9·6		2·1	54·5		9·4
10·3		3·1	19·1		
5·8		12·1	25·4	GCal	5·8
10·4		12·1	20·2		
10·1		13·1	44·2		
10·4		14·1	20·0		
9·5		16·6	52·3		
	+ 1	5·9	−3·2		

2401—2460.

mag.	7^h. m	s	−19° ′		
10·0	31	20·1	32·7		
10·2		22·1	15·6		
9·4		22·6	32·9		9·5
10·2		22·6	30·3		
10·5		25·1	24·2		
9·9		27·5	37·5		9·8
9·4		28·6	30·5		9·7
9·2		30·1	59·2		9·3
9·2		31·5	38·1		9·6
9·8		33·0	17·7		
10·3		35·0	18·2		
10·1		35·5	16·3		9·8
9·2		37·0	42·7	a	8·9
9·4		44·5	15·4		
9·9		47·5	51·1		
9·1		49·5	6·1		9·3
9·9		54·0	44·3		
9·9		54·0	56·5		
9·5		55·0	31·6		9·5
10·5	32	3·0	58·2		
10·5		14·0	25·2		
9·8		17·0	46·4		
10·2		17·0	24·5		
9·9		24·5	21·0		9·8
10·2		27·0	4·0		9·8
10·4		28·0	17·0		
9·2		30·0	30·2		9·5
10·2		31·0	3·8		
8·5		31·0	18·1		9·1
9·8		33·5	34·5		
10·5		34·0	23·6		9·8
10·2		35·0	45·3		
9·8		37·0	4·3		9·2
10·2		40·0	2·4		
10·4		41·0	10·1		
9·8		42·0	53·7		10·
10·5		45·0	56·3		
9·5		47·5	12·9		
10·4		48·0	50·3		
9·2		49·5	45·2		9·5
9·4		50·0	31·3		9·5
10·2		50·5	5·9		
10·2		51·0	3·5		
10·2		52·5	18·0		
9·9		56·5	56·2		
10·4	33	4·0	54·6		
9·4		6·0	24·8		9·8
9·6		7·2	21·1		9·7
10·3		8·2	46·5		
10·3		11·2	2·5		
9·2		13·7	27·7		
8·7		14·7	33·5	Ca	9·1
9·9		15·7	13·3		9·2
9·2		17·7	34·1		9·3
9·6		21·2	55·7		
9·5		21·3	59·3		
10·3		22·7	10·1		
10·5		23·2	25·0		
9·4		27·7	45·7	a	9·1
10·3		28·7	32·1		
	+ 1	6·0	−3·3		

2461—2520.

mag.	7^h. m	s	−19° ′		
7·8	33	29·2	59·3	Cal	7·7
10·5		33·7	55·1		
10·3		33·7	14·7		
10·5		33·7	58·5		
10·0		35·7	8·5		
10·5		42·2	0·1		
10·5		43·2	18·1		
9·9		44·2	17·7		
10·4		47·7	8·5		
9·8		47·7	11·1		9·6
9·6		53·2	45·3		
8·7		54·2	28·3	C	9·1
9·8		55·7	56·5		
9·8	34	2·7	49·7		
10·3		8·2	29·7		10·
10·1		9·2	39·0		
10·2		12·7	55·1		
10·0		13·7	24·1		
8·9		17·2	57·9	a	9·0
10·3		21·2	17·1		
10·2		22·7	4·3		
8·7		23·7	22·1	a	9·1
9·9		26·7	9·9		
10·1		28·2	18·7		9·7
9·8		29·6	0·7		
10·0		32·1	9·1		
10·4		32·1	19·9		
10·2		34·6	7·3		
9·2		36·1	24·7		9·2
10·1		36·6	31·1		9·6
7·7		43·6	22·4	GCal	6·4
10·1		43·6	30·4		
9·8		44·6	38·2		9·8
8·8		54·6	50·4	a	9·2
10·3		58·6	15·1		
9·6	35	0·1	46·1		
9·9		3·6	25·5		
10·4		8·6	13·7		
9·9		9·1	1·5		
10·5		10·6	30·3		
9·1		13·1	34·8		9·5
10·5		13·6	43·5		
10·5		16·6	9·1		
10·5		17·1	30·3		
10·5		21·2	59·1		
9·8		21·6	31·5		
10·5		23·5	35·0		
9·2		29·1	57·1		9·6
10·5		31·5	28·4		
10·4		33·6	31·9		
10·4		35·6	34·3		
10·2		36·6	10·1		
9·8		36·6	19·7		
10·2		36·6	16·4		
9·0		38·1	19·4		9·5
8·9		38·6	13·5		9·3
9·9		42·5	18·3		
10·3		43·6	36·1		
10·5		43·6	12·3		
10·5		46·5	36·1		
	+ 1	6·0	−3·4		

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2521—2580.

mag.	7h. m	s	—19° '		
9·9	35	47·1	14·8		
10·2		48·1	53·7		
10·4		50·6	46·3		
10·4		52·1	14·7		
10·2		56·1	33·9		
10·3		56·1	8·7		
10·4		56·1	23·5		
10·4	36	1·4	33·3		
10·4		5·4	13·3		
10·5		8·4	1·8		
10·5		12·6	57·8		
10·2		15·6	58·2		
10·4		15·9	42·7		
10·4		17·4	50·9		
10·5		25·9	42·0		
10·5		25·9	42·3		
9·5		27·4	33·1		9·4
9·6		33·4	55·6	a	9·2
9·8		35·9	54·7		9·8
9·6		36·9	50·5		9·5
10·1		39·9	43·3		
9·8		42·4	54·1		
9·0		44·4	22·7		9·2
9·0		45·4	24·1		9·4
8·9		58·4	7·5	Cal	8·7
9·8	37	2·9	10·1		
9·4		4·9	22·1		9·6
9·8		6·9	22·2		9·7
10·5		7·5	57·9		
9·6		8·9	19·3		9·5
10·5		12·4	53·3		
10·5		13·9	4·8		
9·8		15·4	56·9		9·6
10·3		18·1	57·0		
10·2		20·4	38·1		
10·2		20·4	10·3		
10·5		23·4	10·1		
10·5		23·4	58·5		
10·4		28·4	20·6		
9·8		29·4	11·6		9·9
10·3		29·4	24·8		
10·4		30·4	52·1		
9·8		32·9	55·3	}	9·8
9·9		33·3	55·1	}	
9·6		33·6	57·3		10·
9·4		33·8	8·3		
10·2		36·3	39·4		
10·5		38·3	17·8		
9·4		38·8	7·1		9·5
9·8		44·3	17·3		9·7
10·1		44·3	35·7		
10·2		44·8	50·9		
10·3		45·3	33·9		
9·8		45·8	39·7		
9·8		46·8	9·4		
9·8		50·3	14·3		
9·6		53·3	29·3		9·6
9·8	38	4·3	54·5		9·5
9·5		6·5	59·5		10·
10·2		9·8	36·3		
25pr.	+1	6·0	−3·4		

2581—2640.

mag.	7h. m	s	—19° '		
10·4	38	11·3	38·3		
9·2		11·3	37·3	Ca	9·1
10·4		12·3	9·7		
9·6		12·9	15·3		9·5
10·2		13·4	12·7		
10·4		14·3	28·2		
9·9		17·4	0·9		
10·2		18·4	12·3		
9·4		21·3	0·9		9·5
10·1		22·8	34·8	:	
10·3		23·3	54·2		
9·0		24·3	58·9		9·3
8·9		27·3	15·7		9·1
9·9		32·3	51·8		9·5
9·8		33·3	1·0		
10·0		37·3	24·6		
10·4		39·8	32·1		
9·1		44·3	33·4	a	9·1
10·0		46·3	3·7		
9·8		49·8	7·5		
9·8		53·3	9·5		
10·0		57·3	37·0		
10·1		57·8	46·7		
10·4		59·8	41·5		
10·2	39	0·3	23·3		
10·3		1·3	3·2		
10·3		7·1	28·2		
10·0		11·1	23·6		9·6
10·0		12·1	42·4		
8·9		13·1	24·6		9·4
9·2		20·1	0·6		
10·3		22·6	57·1		
10·4		22·6	18·5		
10·5		23·6	29·0		
9·8		24·6	10·1		9·8
8·9		30·1	1·7		9·3
8·9		30·1	22·6	Ca	9·0
9·8		30·6	27·3		
9·4		32·1	42·3		9·5
9·8		36·1	35·2		
10·4		37·6	27·0		
9·8		38·1	49·0		
9·4		43·1	11·8		10·
10·4		48·6	25·6		
10·5		52·1	15·0		
9·4		53·6	19·0		9·7
10·4		54·1	1·8		
9·9		56·1	27·6		9·5
9·9		56·1	17·1		
9·9		56·1	14·7		
9·6		59·1	32·9		
10·5	40	0·1	25·7		
10·2		2·1	1·3		9·9
9·1		12·1	2·4		9·3
9·6		16·6	42·8		
10·5		16·6	58·8		
10·4		19·1	10·9		
10·5		20·1	12·0		
9·6		30·1	7·8		9·1
10·2		34·1	22·0		
	+1	6·1	−3·5		

2641—2700.

mag.	7h. m	s	—19° '		
9·4	40	35·6	24·8		9·5
10·2		37·1	54·7		
10·3		39·1	42·8		
10·3		45·1	40·0		
9·8		47·1	9·1		9·5
10·4		49·1	6·2		
9·6		49·5	56·8		
10·5		55·5	5·7		
9·9		57·5	2·1		
10·1		58·1	32·7		
9·9	41	0·0	44·9		9·5
9·2		1·0	41·4		9·4
9·6		3·0	7·3		
10·4		6·7	57·3		
9·4		8·0	15·0		9·3
10·4		11·0	57·6		
10·4		11·0	9·4		
10·0		11·5	48·6		
9·9		13·0	55·3		
9·2		24·0	42·9		9·1
10·1		24·0	23·0		
9·6		27·0	23·2		9·5
10·5		27·0	3·8		
9·4		31·5	52·5		9·3
10·5		34·5	12·3		
10·4		35·5	14·5		
10·3		37·0	50·1		
10·4		38·0	10·3		
9·8		40·0	10·1		10·
9·6		43·0	9·8		10·
9·6		47·0	5·7	a	9·2
9·8		47·0	33·8		9·5
8·2		49·0	37·5	C	7·6
10·3		49·5	24·0		
10·0		50·0	8·3		
10·3		50·0	34·2		
9·8		54·5	4·2		9·4
10·5		57·0	20·3		
10·2		59·0	30·8		
10·3	42	2·7	59·8		
9·6		6·0	11·2		10·
9·4		7·0	14·2		9·2
10·3		14·0	52·5		
8·0		16·0	40·6	C	8·2
8·8		18·0	15·2	C	8·7
7·9		27·2	5·7	GCal	7·8
9·6		29·7	5·3		9·8
9·6		31·2	14·2		9·2
8·5		35·7	1·4	Cal	8·5
10·4		45·7	20·5		
10·1		46·7	21·7		9·5
10·3		47·7	22·2		
9·0		49·7	36·9		9·3
9·8		52·2	3·6		9·6
9·8		54·7	30·0		9·4
9·0		55·7	56·0	Ca	8·7
9·0		56·7	1·9		9·3
9·8		58·7	15·0		
9·2	43	1·2	10·1		9·5
10·3		2·7	15·5		
	+1	6·1	−3·6		

2701—2760.

mag.	7h. m	s	—19° '		
9·8	43	12·7	34·0		
9·4		13·7	51·2		9·4
10·0		27·7	49·6		
9·2		29·7	47·9		
9·8		35·7	48·6		9·5
9·6		35·7	33·0		9·7
9·2		35·7	35·1		9·5
10·3		37·2	38·9		
10·5		42·7	4·9		
10·4		44·2	53·3		
9·4		44·7	1·5		9·5
10·0		45·2	8·3		
10·5		45·7	35·9		
10·5		46·7	16·4		
10·2		47·7	17·8		
10·4		51·2	25·3		
10·5		58·7	55·3		
9·2	44	5·7	37·7		9·5
8·0		9·9	11·5	GCal	6·8
9·2		10·9	50·0	Cal	8·7
7·4		15·9	53·4	GCal	6·9
10·4		17·4	8·1		
9·8		18·4	33·4		
10·5		18·9	23·8		
10·5		21·9	16·0		
9·6		22·9	13·4		
9·6		22·9	48·3		9·6
9·9		22·9	36·9		9·5
10·3		23·4	43·3		
9·2		27·4	21·6		9·1
9·9		30·9	1·0		
7·8		33·9	12·5	GCal	6·4
9·5		36·4	7·5		9·5
8·8		38·4	26·0		9·1
10·3		38·4	17·7		
10·4		39·9	27·5		
10·5		40·4	3·3		
10·5		40·9	27·9		
10·0		43·9	34·7		
8·9		45·4	15·1		9·0
10·5	45	5·9	22·9		
9·2		8·9	20·9		
10·3		11·4	31·8		
9·4		11·4	43·4		9·5
9·5		12·4	10·0		
10·0		21·9	25·5		
9·8		22·4	22·7		9·7
8·7		22·4	19·3	Ca	8·8
10·3		26·4	8·0		
10·5		26·4	19·5		
8·6		31·4	7·8	a	9·0
10·4		33·4	18·8		
10·5		39·9	54·5		
9·4		40·6	55·2		9·5
10·6		40·6	41·4		
9·4		46·1	39·0		9·3
10·1		50·1	24·8		
9·9		51·1	26·1		
10·1		53·1	5·4		
9·8		55·1	34·3		
	+1	6·2	−3·7		

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2761—2820.

mag.	7h. m	s	—19° ′		
8·9	46	0·1	1·1	a	9·0
10·2		1·1	25·2		
9·9		5·1	48·2		9·5
9·2		8·6	19·4	a	9·2
9·0		9·3	1·1	a	9·0
9·4		11·1	17·2		9·8
9·4		12·6	47·5		9·5
9·8		12·6	58·6		
10·4		13·1	2·4		
10·1		16·1	6·6		
10·0		19·6	4·4		
9·2		24·1	25·0		
9·8		31·1	5·8		
10·1		31·1	7·7		
10·4		35·1	16·7		
9·9		35·6	58·2		
9·9		36·1	40·8		
9·8		39·1	32·6		
9·4		42·1	15·7		9·7
9·8		45·6	17·5		
10·0		47·3	32·4		
10·4		47·6	8·7		
9·6		48·6	45·0		
9·6		50·6	44·3		9·5
9·8		50·6	19·2		
9·8		51·1	20·3		
9·8		52·1	7·6		
10·3		52·6	24·5		
10·4		55·1	10·1		
10·2		55·6	47·0		
9·8		57·1	43·1		
9·6	47	2·1	23·8		
8·2		6·9	27·8	Ca	8·0
9·2		7·1	44·0		9·1
8·5		9·9	20·0	Ca	8·3
10·3		10·4	38·2		
9·6		16·4	35·6		
10·3		24·9	10·8		
10·0		26·2	59·5		9·8
8·9		31·4	6·2	a	9·3
9·2		31·6	10·1		9·5
9·9		33·3	8·5		9·8
8·9		34·1	18·8	a	9·2
10·5		34·9	55·7		
9·2		36·9	32·8		9·4
9·6		37·4	16·0	a	9·4
9·2		40·4	44·6		9·0
9·6		42·4	14·2		9·4
10·1		44·9	9·7		
9·4		46·9	26·4		
8·6		49·9	3·6	a	9·1
9·6		50·9	16·2		9·5
9·4		51·9	14·6		9·5
9·8		52·3	56·4		
10·3		59·9	21·4		
9·0	48	0·4	26·2		9·5
10·5		2·9	49·0		
10·4		6·8	29·9		
8·4		8·1	12·4	Ca	8·7
10·2		8·8	31·6		
25pr.	+ 1	6·2	−3·8		

2821—2880.

mag.	7h. m	s	—19° ′		
10·4	48	10·9	51·9		
9·2		13·8	39·4		9·1
9·7		13·8	57·4		9·6
10·4		19·3	35·4		
9·7		22·4	37·4		
10·0		26·8	43·8		
10·4		27·8	24·0		
10·4		30·4	52·0		
10·0		32·8	52·7		
9·3		33·8	16·2		9·4
10·1		36·8	24·4		
10·4		40·8	6·9		
10·4		42·8	27·3		
8·4		43·3	21·2	Ca	8·7
9·7		45·3	30·1		
9·8		45·7	59·8		10·
10·1		46·8	46·7		9·8
9·2		53·3	6·1		9·4
8·8		54·8	48·9		9·2
9·8		54·8	56·2		
10·1		56·3	43·4		9·8
10·2		57·8	24·2		
9·7		59·0	41·9		
9·9	49	0·0	7·6		
10·2		10·0	20·7		
9·6		13·5	17·6		9·8
10·0		28·5	33·1		
10·2		29·5	13·1		9·4
10·1		34·0	30·0		
9·7		37·5	34·9		
9·6		40·0	26·8		9·5
10·4		40·5	18·0		
10·4		43·0	49·4		
10·2		46·0	16·5		
10·4		54·0	6·6		
9·9		59·5	3·0		
9·9	50	3·5	10·1		
10·0		4·0	4·6		
10·1		6·5	7·2		
10·2		7·5	28·9		
9·2		8·0	51·0		9·4
9·0		10·5	36·8		9·2
9·4		13·0	2·5		
9·3		13·5	50·4		9·4
9·8		16·5	2·1		
9·1		18·5	29·6		
10·2		19·5	27·3		
10·2		19·5	0·0		
10·2		20·0	50·1		
9·7		24·5	41·6		
10·2		25·5	20·4		10·
9·4		27·5	50·4		
9·7		33·5	32·8		9·8
10·0		33·5	52·0		9·8
9·6		38·0	28·6		9·8
9·2		38·8	44·1		9·5
10·4		38·9	57·3	×	
9·4		39·0	12·5		
9·4		46·8	37·9		9·7
9·0		51·3	57·9	a	9·1
	+ 1	6·3	−3·8		

2881—2940.

mag.	7h. m	s	—19° ′		
9·8	51	4·3	30·8		
10·4		5·8	10·2		
9·7		6·3	43·1		
9·9		7·3	9·3		
9·8		8·8	50·6		
10·2		10·3	38·2		
10·4		12·8	27·5		
10·2		16·3	47·8		
9·2		18·3	27·5		9·5
9·3		24·8	48·7		9·5
10·4		26·3	51·9		
9·9		28·3	0·6		9·5
10·4		33·3	34·7		
10·4		34·3	28·4		
9·4		36·3	3·2		9·1
10·2		36·3	22·6		
9·7		37·3	47·9		9·3
9·6		38·3	7·6		
8·8		49·8	29·2	C	8·8
10·4		49·8	8·1		
9·4		51·3	10·9		9·2
10·2		51·8	52·8		
9·8		51·8	56·8		
9·6		59·8	11·1		9·8
10·2	52	2·1	35·1		9·8
10·4		2·8	10·1		
9·3		5·3	42·9		9·4
10·4		5·8	22·6		
9·2		6·3	58·5	a	9·0
10·4		7·3	49·5		
10·2		7·3	39·9		10·
10·0		10·3	32·3		
9·1		13·7	48·2		9·2
10·4		21·2	27·8		
9·8		32·7	31·3		
9·7		40·2	23·6		9·8
9·7		42·2	33·9		
9·0		42·2	34·9	C	8·8
9·1		42·2	20·0	C	8·8
10·4		42·7	43·4		
8·8		46·2	10·4	Cal	8·5
9·4		49·2	51·2		9·4
9·7		49·7	19·1		
9·7		51·7	7·5		
9·7		52·2	14·6		10·
10·2		59·2	9·8		
9·0	53	2·2	6·1	al	8·5
10·2		6·2	28·8		
10·4		6·2	27·5		
10·4		7·7	49·1		
10·2		9·7	21·4		
10·4		13·2	29·5		
10·2		13·7	31·1		9·5
10·2		16·0	57·8		9·8
10·0		18·2	28·1		
10·2		22·2	2·2		
10·4		22·7	4·3		
9·9		24·2	37·6		
9·4		26·2	12·6		9·4
10·4		26·2	33·1		
	+ 1	6·3	−3·9		

2941—3000.

mag.	7h. m	s	—19° ′		
9·3	53	32·7	24·1		
10·4		42·1	31·6		
9·1		43·1	7·5	a	9·1
9·7		43·1	20·6		9·3
10·4		45·6	10·0		
7·8		48·1	7·7	Cal	8·0
9·9		52·1	44·6		
10·4		56·1	11·5		
10·4		58·1	11·1		
10·4	54	2·6	36·3		
10·4		4·1	36·0		
9·4		5·6	28·3		9·4
8·8		6·1	25·1	Ca	8·8
10·2		7·1	9·2		
10·4		10·1	59·6		
9·3		11·1	35·6		9·1
9·1		11·6	57·4		9·6
9·1		11·6	55·5		9·2
10·4		13·1	16·0		
10·2		15·6	10·7		9·8
9·6		21·1	51·2		9·5
10·4		22·6	11·3		
9·9		23·1	30·6		
9·8		24·6	21·4		
10·4		29·1	25·4		
9·8		29·1	35·8		
9·9		30·6	22·1		9·3
10·4		33·1	11·6		
9·7		34·6	47·7		
10·4		36·1	2·3		
9·2		40·1	43·0		9·5
8·5		42·6	23·5	Ca	9·0
9·6		51·1	43·2		
8·2		54·6	44·1	Cbl	8·6
9·8		57·1	52·1		9·8
9·8		57·6	0·0		9·6
10·4		59·6	21·0		9·5
10·2	55	1·6	55·8		
10·4		2·1	8·4		
9·4		2·6	44·0		9·1
10·2		3·1	36·4		
9·4		6·0	14·7		
10·4		6·0	26·1		
9·3		9·0	15·3		9·3
9·6		10·0	14·8		
10·2		13·0	29·5		
10·4		14·0	38·1		
9·1		16·0	52·3	C	8·8
10·2		20·5	6·0		
8·4		22·0	8·2	Cal	8·5
8·8		23·1	59·9		9·2
9·8		26·0	56·6		10·
9·3		28·0	40·5		9·4
9·9		34·0	58·4		
10·4		36·5	18·8		
10·4		37·0	28·2		
10·4		37·5	39·0		
9·2		43·0	14·0		9·5
10·4		47·5	44·2		10·
10·2		52·5	17·2		
	+ 1	6·4	−4·0		

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3001—3060.

mag.	7h. m	s	—19° ′		
10·1	55	53·0	2·1		
9·4		53·0	49·8		10·
10·4	56	7·0	2·2		
10·4		8·0	18·1		
10·2		8·5	41·5		9·8
9·7		18·5	52·8		
10·2		22·0	33·5		
10·2		24·0	41·5		
9·6		29·0	49·5		
9·7		30·5	12·8		
9·0		30·8	18·2	a	9·1
9·3		32·8	3·4	a	9·2
9·3		32·8	22·0		9·4
9·4		34·3	53·1		9·2
9·6		35·8	52·7		
9·4		35·8	7·1	a	9·1
10·4		38·3	6·6		
7·9		57·8	58·3	Cal	7·9
9·8	57	1·3	47·0		9·5
10·4		1·3	10·7		
9·7		3·8	21·9		9·5
10·4		4·3	48·8		
9·4		15·8	49·3		
9·7		28·8	5·4		10·
10·4		33·8	31·1		
10·0		35·8	17·1		
8·8		36·8	51·7		9·3
10·4		39·8	40·8		
10·4		42·3	29·2		9·8
10·2		43·8	35·4		9·8
10·2		53·3	27·7		9·8
10·4		53·3	27·0		
9·9		53·8	34·7		9·7
10·4		53·8	42·0		
8·8		58·8	49·5		9·1
10·4	58	0·8	51·8		
10·4		1·8	2·1		
10·1		2·1	41·4		
9·6		2·1	56·6		10·
10·4		3·6	38·3		
9·6		8·6	24·1		10·
9·7		12·1	35·3		
10·4		14·6	12·8		
10·2		16·6	20·7		
9·3		19·6	24·2		9·4
9·6		22·6	33·4		10·
10·1		23·0	58·3		9·4
9·8		25·6	19·9		
9·9		27·6	30·6		
9·1		30·1	20·7		9·2
8·6		30·6	1·1		8·7
9·6		32·6	4·5		9·8
10·4		38·1	50·1		
10·4		42·1	46·2		
10·4		46·6	24·7		
9·9		54·6	41·5		
9·0		55·1	25·4	Gatlπ	8·6
10·4		55·6	53·5		
10·4		59·6	7·2		
8·6	59	2·6	25·3	GCbl	8·9
25pr.	+ 1	6·5	− 4·1		

3061—3120.

mag.	7h.–8h. m	s	—19° ′		
10·4	59	2·6	4·0		
9·6		5·1	13·4		9·6
6·4		9·1	22·4	GSlπβ	6·4
10·4		10·6	43·4		
9·6		15·6	18·1		
9·9		16·1	20·4		
9·1		23·1	43·6		9·0
10·0		30·5	24·3		
10·2		36·5	15·1		9·7
10·4		37·5	23·8		10·
9·6		37·5	29·0		
8·3		39·0	2·7		8·7
10·2		40·5	51·1		
10·2		40·5	5·0		
10·4		41·0	51·7		
9·3		41·5	22·2		9·5
10·4		49·5	7·6		
9·7		54·5	44·6		
9·9		59·5	34·7		9·7
10·4	0	1·0	6·0		
10·2		4·0	12·6		
9·2		14·5	4·1		9·5
9·2		15·5	5·1		9·3
9·4		18·0	51·3		9·4
9·9		20·5	33·4		
10·4		21·5	19·0		
10·4		23·5	24·4		
10·0		25·0	52·6		
7·4		25·5	32·2	Cbl	7·5
9·3		28·0	43·3		9·4
10·4		29·5	55·8		
10·4		31·5	53·4		
9·7		31·5	37·0		
10·0		37·5	47·4		
9·7		43·5	30·7		
9·2		45·5	14·0		9·3
10·2		48·5	1·7		10·
10·4		49·0	49·3		
10·4		49·0	20·0		
9·7		52·5	30·0		
8·2		55·0	28·0	Cbl	8·0
8·4		59·5	58·7	Ca	8·2
9·4		59·5	18·9		9·3
9·1	1	2·3	44·8		9·0
9·7		6·3	25·9		9·5
10·4		8·8	10·2		
9·7		15·3	39·0		9·2
9·8		15·3	58·1		
9·2		17·3	1·9		9·3
9·9		17·3	7·7		9·5
10·4		19·3	47·4		
10·4		20·8	11·3		
9·4		25·3	38·0		9·4
10·4		27·8	37·2		
10·2		35·3	42·4		
10·2		39·8	28·2		
9·3		40·3	42·0		9·5
9·6		52·3	54·6		
9·0		52·3	51·5		9·3
10·2	2	5·3	42·5		
	+ 1	6·5	− 4·2		

3121—3180.

mag.	8h. m	s	—19° ′		
9·2	2	6·3	52·2		9·1
9·4		10·3	9·6		9·8
10·4		11·6	11·6		
10·4		11·8	15·4		
9·6		15·3	0·9		9·5
10·2		15·3	14·1		
9·1		19·3	10·9		9·3
10·4		24·3	42·9	}	9·3
10·0		25·3	42·8		
10·0		25·3	20·1		
9·2		37·3	37·1		9·5
9·7		39·3	35·9		
10·4		39·3	8·9		
10·0		39·8	49·5		
9·7		54·1	20·4		9·5
7·4		56·1	29·7	C	7·8
10·0		57·1	46·7		
10·4	3	1·1	51·9		
10·4		2·1	52·9		
8·4		4·1	28·5	C	8·3
9·7		13·6	16·7		9·4
8·3		14·1	20·6		8·8
10·2		21·6	21·7		
10·1		23·1	55·4		
10·4		26·6	39·5		
10·4		32·1	6·6		
10·2		36·8	58·2		
10·2		40·1	58·2		
10·4		41·1	13·4		
10·2		41·1	36·5		
10·2		43·1	32·7		
10·4		46·6	54·0		
9·1		48·1	15·6		9·2
9·1		50·6	41·9		9·4
10·4		54·1	9·8		
10·4		58·6	20·4		
9·7	4	3·1	32·6		10·
9·2		5·1	7·9		9·3
8·3		6·6	51·9	Ca	8·7
9·1		7·1	5·9		9·3
10·0		9·6	39·7		
10·1		11·6	57·4		
8·6		11·6	47·0	a	9·2
8·6		13·1	53·5	a	9·2
8·8		19·1	18·1		9·0
10·4		21·6	5·2		
9·2		26·0	30·9		9·3
9·2		35·0	32·2		
10·2		40·5	49·6		
9·3		42·0	47·7		9·2
10·1		43·0	43·1		
8·8		52·0	39·0	Ca	8·7
10·2		52·5	53·8		
9·0	5	1·0	26·1		9·1
10·4		3·0	19·8		
9·4		8·0	20·5		
8·6		9·0	16·5		9·0
10·4		21·0	48·4		
9·7		25·0	40·7		9·8
9·2		26·0	16·2		9·5
	+ 1	6·6	− 4·3		

3181—3240.

mag.	8h. m	s	—19° ′		
10·4	5	26·0	0·9		
10·4		26·0	55·8		
10·0		30·0	47·7		
10·2		30·0	23·8		
10·4		31·0	39·9		
10·2		36·0	23·5		
10·4		37·0	43·6		
10·2		39·0	0·4		
10·2		42·0	46·9		
10·4		42·5	49·4		
10·4		51·0	19·3		
9·7		56·0	20·1		
8·6	6	0·0	55·5	Ca	8·5
10·4		8·5	6·8		
10·2		16·0	50·2		
10·4		16·5	13·0		
10·4		19·0	45·6		9·5
10·4		22·0	49·7		
10·4		25·0	24·5		
9·7		29·8	8·5		9·5
10·4		34·3	52·6		
10·4		39·3	59·9		
10·2		42·8	47·5		
9·6		43·8	42·6		
9·8		44·8	47·5		9·5
9·1		51·8	16·9		9·3
9·3	7	5·8	39·9		8·8
8·8		7·8	2·4		9·4
10·4		10·8	36·0		10·
10·1		14·8	59·6		
10·4		16·3	38·0		
9·0		22·8	1·6		9·5
9·2		27·8	42·5		9·2
9·1		30·8	5·0	C	8·9
10·0		31·3	23·3		9·5
9·8		31·8	39·9		9·8
10·4		32·6	46·2		9·8
10·0		33·8	27·6		9·5
8·8		37·0	5·0	C	8·8
10·4		38·9	44·9		
10·4		42·3	17·3		
10·4		55·6	17·2		
10·4		55·8	55·0		
10·4	8	0·4	10·1		
9·0		0·4	32·3		9·4
9·0		1·4	9·4		9·3
10·0		2·2	6·3		
10·4		2·4	28·7		
9·5		3·8	22·6		9·4
10·4		5·2	52·4		
10·0		12·8	6·1		
9·6		15·4	43·4		9·8
8·6		16·9	16·8		8·8
9·8		17·9	51·8		
10·4		18·0	36·1		
9·2		21·3	25·4		9·3
8·6		26·4	17·2		9·1
9·4		27·3	15·3		9·3
10·4		29·9	0·5		
10·4		33·4	46·2		
	+ 1	6·7	− 4·4		

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3241—3300.

mag.	8h m	s	−19° ′		
9·8	8	34·9	4·2		9·8
8·6		36·9	16·0		9·1
9·8		37·9	33·4		
9·4		39·4	57·2		9·5
10·4		41·9	48·7		
8·2		47·4	14·8	Cbl	8·3
9·2		50·9	29·0		9·4
9·4		55·9	52·6		9·4
9·5		58·9	31·0		9·5
9·3	9	10·9	7·9		9·5
9·3		15·4	58·3		8·9
10·4		20·9	48·4		
9·4		24·4	34·0		9·5
9·0		28·9	0·6		9·0
9·4		34·9	18·3		9·5
10·4		34·9	46·0		
9·5		37·4	44·8		
9·5		50·4	37·0	:	9·1
9·4		51·4	28·4		9·3
9·0		53·4	22·8		9·1
9·6		56·4	46·6		
9·2	10	3·9	19·0		8·9
10·4		5·9	19·8		
10·2		6·4	45·0		
9·8		10·4	58·4		
10·1		10·4	54·2		
10·2		10·9	5·9		
9·6		12·4	11·1		10·
9·9		12·8	45·9		
9·0		15·3	37·2		9·4
9·2		16·3	53·0		9·3
9·4		18·3	39·2		9·7
10·4		20·3	55·6		
7·8		20·3	40·8	Cbl	8·3
10·4		23·3	12·5		
8·3		23·3	1·7	Cbl	7·5
10·0		26·8	31·4		
9·9		29·3	36·4		
10·0		30·3	35·2		
9·4		30·3	13·1		9·3
9·3		33·3	0·6		
9·0		33·8	25·6		9·3
10·4		34·3	47·2		
10·1		36·3	31·2		9·5
9·0		36·8	38·7		9·4
9·4		39·8	16·1		
10·1		42·3	13·5		
9·2		42·3	19·6		
9·8		47·3	14·6		10·
10·1		49·8	15·8		
8·4		52·3	38·8	C	8·2
10·2		52·3	25·6		
10·1		53·8	46·4		
9·2		56·8	10·6		9·3
10·1		56·8	19·6		
8·8		57·0	59·5	C	9·0
9·3		57·3	12·3		9·5
10·2		58·3	10·0		
9·4	11	0·3	20·9		9·5
9·3		4·8	36·4		
25pr.	+1	6·8	−4·5		

3301—3360.

mag.	8h m	s	−19° ′		
10·2	11	6·8	17·0		9·8
9·2		10·0	58·0		9·1
8·6		12·8	32·2	C	8·5
9·9		13·3	35·2		
9·4		13·3	16·4		9·8
9·8		17·0	59·1		
10·4		18·3	24·6		
10·0		19·3	13·0		
9·8		24·8	53·0		
10·0		30·3	14·2		10·
9·3		36·8	43·0		
10·4		36·8	37·0		
10·1		38·3	32·2		9·5
8·6		38·8	45·2		9·1
10·4		41·8	27·8		
9·2		44·3	5·2		9·7
10·4		50·8	43·6		
9·9		52·8	24·4		
10·4		58·8	56·3		
9·6	12	0·3	45·2		
9·0		0·8	38·5		9·6
9·3		6·8	51·8		9·4
10·2		9·1	29·7		9·7
10·4		17·8	24·2		
10·2		17·8	59·4		
10·4		22·8	24·0		
8·3		32·3	48·3		8·8
9·0		41·3	23·2		9·3
8·4		47·8	53·2	a	9·0
8·6		49·8	53·9	a	9·0
8·5		56·8	34·4		8·9
10·2	13	7·3	36·6		
9·4		17·6	11·7		9·8
9·6		24·6	1·0		9·5
10·4		24·7	57·7		
9·4		29·1	57·6		9·5
10·2		35·6	46·9		9·7
10·2		36·1	25·4		
9·0		37·6	56·0	a	9·3
10·2		39·1	48·5		
9·3		41·6	49·8		9·5
9·3		47·6	25·0		9·4
6·6		48·6	46·4	Cal	7·0
9·6		53·1	25·7		
9·6		56·1	41·6		10·
8·8	14	0·1	15·4		9·3
10·1		0·1	5·5		
10·4		0·6	29·2		
9·9		2·1	2·2		
10·4		2·6	12·8		
9·6		4·1	11·2		
9·6		10·1	33·2		9·8
9·0		10·6	43·9	Ca	9·0
10·4		18·1	57·4		
9·2		20·1	24·5		9·8
9·2		23·1	40·7		9·5
9·6		25·1	1·7		
9·8		30·6	0·0		
8·6		32·6	52·7	a	9·0
10·4		35·1	16·4		
	+1	6·9	−4·6		

3361—3420.

mag.	8h m	s	−19° ′		
8·8	14	35·6	21·2		8·7
10·4		47·5	26·7		
8·6		50·0	41·7	Ca	8·7
9·8		52·0	25·2		10·
9·8		54·5	2·0		
10·2		58·0	42·8		
9·8	15	5·0	29·5		
10·4		10·5	38·2		
9·6		12·0	2·4		9·4
10·0		20·0	32·5		
9·2		22·0	46·6		9·4
10·2		26·0	0·2		
9·2		34·0	0·1		9·1
10·1		35·5	44·3		
9·4		42·0	57·8		9·5
10·2		42·0	21·1		
10·4		42·0	24·0		
8·8		44·0	0·0		9·0
8·2		44·5	9·4	Cbl	8·5
6·6		46·0	40·9	GCbl	5·8
10·4		50·5	52·0		
9·2		55·6	59·0		9·4
9·0		57·5	29·0		9·3
8·8		59·0	48·1	a	9·2
10·4		59·0	30·8		
9·2	16	2·0	46·4		9·6
10·2		2·0	9·8		
9·8		7·5	28·8		
10·4		10·5	39·2		
10·1		14·2	57·0		
8·6		19·5	41·2	a	8·8
10·4		22·0	54·8		
10·2		22·0	2·8		
9·2		30·0	43·8		9·8
9·0		35·0	35·8	a	9·2
10·2		37·0	19·0		
10·2		38·0	53·2		
9·6		41·5	53·8		9·8
10·2		50·5	48·8		
9·6		56·0	47·0		
10·1		57·5	27·4		
9·2		58·0	22·8		9·0
9·8	17	2·0	7·2		
9·5		7·0	47·0		9·8
9·8		14·0	10·2		9·8
10·0		15·5	33·4		
10·2		21·0	8·8		
9·3		22·5	55·4		9·4
9·6		26·5	26·2		9·7
9·3		27·0	34·4		
9·6		34·0	39·0		9·3
9·8		40·0	54·6		
10·4		40·5	49·8		
9·6		53·0	39·0	a	9·4
8·8		56·0	21·1	a	8·9
10·4		59·7	57·4		
9·2	18	7·0	24·2		9·5
9·3		8·5	19·6		10·
10·2		12·0	17·1		
10·2		13·0	44·1		
	+1	7·0	−4·7		

3421—3480.

mag.	8h m	s	−19° ′		
9·9	18	13·5	46·2		
9·8		18·0	53·4		9·4
10·2		30·0	23·0		
9·3		30·0	21·2		9·6
9·9		31·5	13·4		
10·4		32·0	28·8		
10·1		33·0	53·2		
9·6		39·0	19·0		9·4
9·9		42·0	11·8		9·6
9·9		45·0	51·0		
10·4		47·0	1·8		
9·3		53·0	36·3	a	9·2
10·4	19	0·2	57·2		
10·4		6·0	22·6		
9·3		6·5	45·0		9·4
9·8		18·0	35·7		
9·4		22·0	30·9		9·3
9·3		24·0	32·1		9·3
9·8		28·0	33·6		
10·0		35·5	44·6		
9·6		36·0	34·8		9·4
9·6		43·9	36·6		
9·8		47·4	49·8		
10·2		51·9	41·7		
9·5	20	0·4	26·3		
10·2		1·4	48·3		
9·3		1·9	25·7		9·1
10·4		7·9	31·4		
10·4		11·9	14·1		
9·4		13·9	6·1		
8·8		14·4	34·6	b	8·7
10·4		15·9	24·3		
10·4		17·7	57·9		
9·6		18·4	15·1		9·1
10·2		24·9	22·1		
9·0		27·4	12·1	C	8·8
9·4		29·4	52·5		9·8
9·8		44·4	2·9		
9·4		56·9	23·5		9·3
9·8	21	11·9	2·2		9·5
10·2		13·4	41·1		
10·2		13·4	56·9		
9·8		13·9	2·3		
10·2		21·3	47·4		
9·8		22·8	42·0		9·5
9·8		26·8	17·2		
10·4		30·3	50·2		
10·2		35·8	44·0		
10·4		37·8	52·4		
9·6		39·8	2·0		9·6
9·6		44·3	22·7		
9·6		45·3	34·5		9·5
9·4		45·8	13·0		9·4
9·3		47·8	45·3		9·5
10·4		47·8	38·8		
10·1		49·8	51·0		
10·4		56·8	35·0		
9·8		57·8	36·4		9·7
9·5	22	11·3	47·2		9·5
10·2		16·3	6·0		9·5
	+1	7·1	−4·8		

3481—3540.

mag.	8h. m	s	—19° ′		
9·4	22	16·8	16·6		9·3
9·0		19·8	47·0	C	8·5
9·6		20·3	32·0		9·5
9·9		25·8	39·5		
10·2		29·8	3·7		
10·4		30·3	41·8		
10·2		30·3	51·0		
9·6		37·8	1·7		9·4
9·0		48·3	1·9		9·0
10·4		52·3	38·2		
9·0		55·3	21·9		9·1
9·6	23	1·4	57·4		
9·3		2·3	21·1		9·2
10·4		11·7	14·7		
10·4		16·0	59·2		
9·9		17·7	33·1		
9·4		21·7	22·7		9·5
8·8		23·7	50·0		8·8
10·2		26·7	9·5		9·8
10·2		31·7	2·7		9·8
10·2		32·7	8·7		
9·8		35·2	20·3		
9·2		38·7	12·3		9·3
10·2		38·7	5·8		
9·6		46·7	22·0		9·4
8·8	24	9·2	41·4		8·5
9·8		11·2	36·0		
9·2		15·7	19·2		9·2
9·6		19·7	14·9		9·4
10·0		27·2	8·9		
10·0		31·7	13·4		
10·4		32·7	15·4		
9·4		39·7	38·5		9·1
8·8		45·2	52·1	Ca	8·3
8·8		45·7	0·9	a	8·8
10·4		53·2	7·9		
10·2	25	0·2	52·0		
9·5		3·2	28·4		9·5
9·5		25·5	40·5		
9·6		26·0	4·0		
7·7		29·0	53·1	Ca	7·8
9·2		31·0	45·0		9·1
10·2		35·0	20·3		
10·4		35·5	11·6		10·
10·4		39·0	11·2		10·
9·3		43·7	57·9		9·5
10·4		45·5	32·7		
7·8		46·5	5·1	Gatlπ	7·7
10·2		50·0	27·1		
9·2		52·5	55·7		9·0
9·0		52·5	44·9		9·1
10·2		53·0	14·5		
5·7		54·0	9·3	GStlπ	5·6
9·8		57·0	3·2		
9·8		58·5	55·6		
10·4	26	3·0	24·7		
9·2		4·5	37·3		9·3
10·4		5·5	41·5		
10·4		9·5	57·1		
10·4		13·0	34·6		
25pr.	+ 1	7·2	—4·9		

3541—3600.

mag.	8h m	s	—19° ′		
10·4	26	15·0	44·9		
8·8		15·5	48·9	W	9·0
9·2		18·0	42·1		9·5
10·0		25·0	19·8		
10·1		32·0	2·7		
8·5		32·5	15·7	a	8·7
10·4		33·0	53·9		
9·6		36·5	17·1	:	
8·5		39·0	32·7	Cbl	8·2
9·9		41·5	2·7		
10·1		43·0	14·9		
10·1		47·5	11·1		
10·2		51·5	16·1		
10·4		54·4	59·7		
9·9		55·0	45·4		
9·3		56·5	39·0		9·1
9·6	27	0·0	24·6		
10·0		1·5	26·0		10·
9·5		3·0	0·3		9·5
9·3		5·0	47·5		9·4
9·4		7·0	51·6	W	9·1
10·2		11·5	14·4		
10·4		12·5	18·8		
9·8		21·5	30·3		9·5
10·0		21·5	38·5		
9·8		22·5	21·0		9·8
10·4		22·5	20·3		
10·4		29·5	49·8		
10·4		37·5	42·2		
10·2		38·9	15·9		
10·0		40·2	52·3		
9·8		43·2	49·3		
10·5		44·2	41·3		
10·2		46·7	56·5		
8·7		51·7	20·7	a	9·0
8·4		52·2	18·7	a	8·8
10·5		55·2	6·1		9·8
10·5		57·2	51·9		
10·5	28	1·2	4·6		
10·5		5·1	59·8		
10·4		5·2	53·1		
10·4		7·0	16·1		9·5
10·4		10·6	57·9		
10·2		20·0	36·7		
8·4		21·6	38·4	C	8·8
9·6		23·1	25·3		9·3
9·4		25·6	50·1		
8·4		26·1	49·0		9·1
10·0		36·8	50·3		
8·4		42·1	8·3	a	9·0
9·9		43·1	5·8		
9·4		43·1	22·1		9·7
9·4		53·1	32·1		9·8
10·4	29	0·6	25·7		
9·5		4·1	3·6		
10·5		4·2	37·1		9·7
9·6		7·1	58·2		9·5
10·4		25·1	56·3		
10·4		27·6	28·5		
10·4		30·1	34·4		
	+ 1	7·3	—5·0		

3601—3660.

mag.	8h. m	s	—19° ′		
10·5	29	34·1	15·4		
10·5		36·1	16·6		
10·4		43·1	57·4		
10·5		50·6	57·6		
8·9		51·6	21·1		8·6
9·3		51·6	53·5		9·4
10·5		52·1	54·6		
8·0		53·6	55·5	C	8·7
9·8		58·0	59·0		
9·8	30	3·0	36·9		9·8
10·0		3·5	17·7		
10·5		8·5	47·1		
10·4		12·8	57·2		
10·4		13·0	47·3		
9·3		14·0	50·1		
7·9		21·0	39·0	C	8·8
10·4		22·0	48·7		
9·2		26·0	53·5		9·4
9·6		32·0	15·5		
10·0		34·0	50·1		10·
10·4		36·0	45·5		
10·4		43·5	16·0		
10·5		46·5	34·5		9·7
10·5		47·5	30·7		
10·0		48·0	33·3		
10·4		54·5	17·2		
9·9		56·0	20·9		9·6
8·8		58·0	35·7		9·0
9·2	31	1·0	6·1		9·1
10·5		4·0	54·6		
9·6		5·0	25·6		9·8
10·5		7·0	41·9		
9·9		17·0	1·9		
10·5		18·0	16·8		
10·5		20·0	30·6		
10·5		21·0	6·4		
8·8		23·0	23·5		9·1
9·4		24·0	24·6		9·5
10·5		26·0	22·7		
9·4		31·5	26·2		
10·0		40·0	42·2		
10·5		42·0	56·1		
10·2		43·0	46·4		9·5
9·2		47·5	48·2		9·2
10·4		48·4	10·4		
10·0		48·9	45·4		
10·2		53·9	39·7		
9·9		56·4	28·0		
10·2		59·9	41·5		
10·0	32	1·9	31·7		
9·9		4·4	4·2		9·5
10·5		7·9	34·9		
10·1		8·6	58·5		
8·9		12·4	5·4		9·3
10·2		13·9	0·4		
8·6		18·9	52·6	Cal	8·0
9·8		20·9	49·6		9·4
9·4		27·9	49·0		
10·2		29·9	30·8		
10·5		32·4	38·7		
	+ 1	7·4	—5·1		

3661—3720.

mag.	8h. m	s	—19° ′		
8·6	32	36·4	59·6	a	9·0
10·2		36·9	4·7		
8·5		40·4	15·4		8·9
9·2		41·9	9·7		9·0
9·4		42·9	39·1		9·5
10·4		45·1	11·7		?
10·4		52·4	28·7		
10·4		54·9	27·4		
9·9		56·9	19·9		
7·7	33	2·9	17·9	GCbl	6·7
9·8		5·9	49·2		
10·5		12·9	31·8		
9·6		13·9	40·4		9·0
10·2		14·9	48·6		
10·0		17·4	6·6		
9·4		30·4	7·1		
9·3		31·2	34·0		9·4
10·4		31·7	15·0		
8·9		31·9	32·6	a	9·0
10·4		32·2	43·4		
10·5		32·7	49·4		
9·6		36·7	5·7		9·8
10·4		39·2	49·6		
10·4		43·7	12·3		9·7:
8·7		43·7	59·6	a	9·0
9·3		44·2	52·1		9·4
10·0		54·7	46·5		
10·0	34	0·7	35·6		
10·5		3·7	6·4		
10·4		3·7	2·0		
9·2		4·7	30·0		9·6
10·0		6·7	25·6		
9·9		7·7	50·2		
10·4		13·7	30·2		
10·2		16·2	29·0		
9·8		18·7	33·9		
9·9		24·2	25·6		
10·2		26·7	51·0		
10·4		36·7	6·8		
10·2		37·7	53·3		
10·2		39·6	28·0		
10·4		44·2	21·2		
8·6		50·7	0·3	Ca	8·5
10·4		52·7	19·7		
10·5		53·2	35·5		
10·2		53·7	41·6		
10·0	35	2·7	38·1		
10·2		3·7	6·1		
9·8		12·7	15·1		9·5
9·8		13·2	14·5		
10·5		15·1	24·4		
8·8		17·1	6·6		9·3
9·4		30·6	21·2		9·8
7·6		30·6	28·3	Ca	7·4
10·5		33·6	57·4		
9·4		36·6	30·5		9·1
10·4		36·6	11·6		
9·8		37·6	42·3		
9·0		39·1	36·8		9·2
10·4		40·6	29·4		
	+ 1	7·6	—5·2		

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3721—3780.

mag.	8h. m s	−19° ′		
8·0	35 42·6	0·7	Cal	8·0
10·0	46·6	15·0		
9·5	47·6	10·6		
10·4	54·6	35·0		
8·4	59·6	32·7	Ca	8·3
9·2	59·6	26·8		9·4
9·6	36 2·6	2·5		
9·4	7·6	52·0		
10·5	12·6	18·1		
10·5	13·6	51·7		
9·5	18·1	23·0		9·3
10·0	18·6	8·0		
9·6	20·1	10·0		
10·2	26·1	21·2		
10·2	28·1	33·0		
10·2	32·1	12·6		
9·6	41·6	24·7		9·6
10·4	43·6	49·5		
9·4	44·6	20·5		9·3
9·6	49·1	51·8		
10·0	50·1	9·8		
9·8	53·6	9·3		
10·2	55·1	59·6		
10·2	57·6	51·6		
9·3	37 3·4	5·8		9·5
10·4	7·4	21·3		
10·5	16·4	6·2		
9·6	27·9	4·8		
10·5	31·9	57·6		
10·5	41·4	18·8		
8·4	43·4	37·9		8·9
9·0	45·4	7·7	a	9·1
10·0	46·4	19·3		
10·4	52·4	11·2		9·5
10·5	52·6	58·6		
9·8	52·9	50·4		
9·2	56·4	48·2		9·0
10·2	59·4	57·2		
10·4	38 2·9	46·7	?	
10·5	10·9	27·7		
10·5	11·9	57·5		
10·0	16·4	23·9		
10·2	22·4	30·3		
10·4	23·4	22·6		
10·4	28·9	39·4		
8·8	31·4	10·9	a	9·1
10·2	34·4	4·3		
9·2	34·9	3·3		
10·2	36·4	17·5		
7·9	41·4	48·9	Cbl	7·3
10·5	44·4	5·9		
10·2	46·9	57·6		
9·9	47·4	7·2		
10·0	48·4	40·0		
8·6	49·4	15·1	a	9·1
10·2	56·9	37·6	?	
8·8	58·9	8·7	a	9·2
10·2	39 2·4	53·0		
10·4	4·7	24·0		
10·0	7·2	59·6		
25pr.	+1 7·7	−5·3		

3781—3840.

mag.	8h. m s	−19° ′		
10·5	39 14·2	59·7		
10·2	33·7	41·2		
8·7	37·2	12·5	a	9·1
9·8	41·2	6·0		
8·4	41·7	44·9		8·9
10·5	41·7	4·1		
9·8	44·2	16·2		9·6
9·4	56·7	7·5	a	9·2
10·4	59·7	32·9		
10·0	40 3·2	56·7		
10·4	15·2	8·6		
10·5	20·0	59·2		
10·5	22·2	24·0		
10·4	24·2	10·8		
9·6	26·2	36·8		
10·2	27·2	23·4		
10·4	36·2	29·3		
7·9	41·7	58·5	Cal	7·3
9·3	45·7	23·4	a	9·1
10·2	48·2	27·9		
10·0	49·2	23·9		
9·3	41 5·2	27·8	a	9·2
10·5	22·2	13·2		
9·2	25·2	10·1		9·4
10·4	26·1	11·9		
8·2	31·1	52·1	Cal	8·0
10·5	33·1	41·5		
10·2	33·1	40·8		9·9
10·2	33·6	0·0		
10·4	39·6	46·4		
10·4	49·1	35·5		
9·6	42 0·1	27·2		
9·4	5·1	1·5	•	9·4
9·2	6·6	43·1		9·3
8·5	9·6	19·3	Ca	8·0
9·6	17·1	46·7		9·9
9·3	17·6	58·0		9·5
9·2	19·6	27·8		9·1
9·4	23·6	18·2		9·9
10·5	37·1	12·6		
10·4	38·6	25·7		
10·4	43·1	26·0		
10·0	44·1	33·0		
9·6	46·6	59·7		9·8
9·0	43 23·1	18·0		9·4
9·4	28·7	57·6		
9·9	31·1	10·0		
10·0	34·6	11·9		
10·4	44·4	32·9		
9·6	44·9	2·9		
9·3	45·9	16·5		9·6
10·5	56·9	14·2		
10·4	58·9	20·1		
10·5	44 0·9	19·5		
10·5	2·9	34·5		
9·2	5·9	53·5		
9·9	6·4	6·9		9·3
10·0	11·9	48·1		
9·9	13·9	4·6		9·9
10·2	15·9	17·5		
	+1 7·9	−5·4		

3841—3900.

mag.	8h. m s	−19° ′		
10·2	44 18·9	42·3		9·8
10·0	23·9	5·9		
9·6	29·9	42·7		10·
9·8	35·9	5·3		9·6
10·5	45·9	49·4		
8·6	48·4	19·4		9·0
9·9	58·4	5·0		
10·5	45 2·9	56·6		
10·0	4·9	46·8		
9·6	7·9	36·3		
9·5	8·9	9·5		9·5
10·4	15·9	53·9		
10·5	17·9	4·8		
9·0	23·4	24·4		9·5
9·6	27·9	20·4		9·5
10·0	29·9	53·8		
9·6	30·4	36·2		
10·4	40·9	7·0		
10·5	41·9	53·5		
9·2	43·9	49·6		9·3
10·2	46 2·2	6·1		
10·2	8·2	53·8		
9·0	9·7	57·8		9·1
9·8	10·7	18·0		
10·5	12·7	19·8		
10·2	16·5	57·2		
9·9	16·7	6·4		
9·0	22·2	45·6		9·1
9·4	27·7	38·2		9·5
9·6	34·7	13·4		
9·6	35·2	1·0		
8·8	42·7	3·2	a	8·7
10·0	43·7	29·0		
10·4	45·7	3·8		
10·4	52·2	34·6		
9·5	55·7	11·0		9·8
10·2	47 5·2	43·7		
9·9	5·4	18·8		
9·8	13·7	52·7		
10·4	35·7	17·4		
10·2	48·2	43·2		
10·5	50·2	11·2		
10·2	48 2·7	57·0		
10·4	10·7	8·2		
9·6	11·7	35·2	a	9·1
10·0	13·7	51·8		
10·5	14·2	55·8		
10·5	15·7	19·4		
8·4	17·2	57·5	Cal	7·5
9·4	24·7	34·2	a	9·2
9·9	25·7	52·0		
9·8	40·1	43·6		9·5
9·8	47·2	11·3		
9·8	47·7	18·1		9·8
9·8	49 1·5	30·3		
9·2	11·8	41·0	a	9·3
9·4	17·3	31·9	a	9·3
9·8	19·6	7·2		
9·2	23·8	1·0		9·3
9·6	50 11·8	47·9		
	+1 8·0	−5·6		

3901—3960.

mag.	8h. m s	−19° ′		
9·8	50 19·8	5·2		9·5
9·4	19·8	19·7	a	9·0
9·2	47·4	1·5	a	9·1
9·0	52·6	9·0	a	9·3
9·2	51 2·6	0·0	Cb	8·2
8·6	7·4	40·9		8·5
9·0	9·9	55·1		9·1
9·5	12·5	10·9		9·4
9·8	28·9	53·3		
9·5	32·4	9·5		9·2
9·8	43·7	9·8		9·4
9·0	49·5	11·1	a	8·8
9·8	57·2	57·7		9·8
9·2	52 1·9	9·7	a	9·3
9·8	13·7	27·7		9·4
9·5	18·2	21·8		9·7
9·2	18·7	39·4		9·5
9·2	35·7	43·1		9·6
9·8	53 2·2	36·5		
9·8	4·3	17·5		
9·6	8·8	53·1	a	9·1
9·1	18·8	59·2	Ca	8·5
9·8	25·8	54·2		
9·5	47·8	22·8		9·1
9·8	54 3·3	29·9		
9·8	20·2	37·4		
9·8	21·5	29·0		
9·6	28·8	50·6		
9·6	47·5	4·4		9·1
8·7	53·5	43·6	C	8·8
9·8	57·3	57·0		
9·8	55 2·3	37·8		9·8
9·6	18·1	29·7		9·5
9·0	37·1	13·1		9·0
9·0	39·1	5·9		9·1
9·2	56 14·6	33·0	a	9·0
9·8	28·0	38·8		10·
9·2	39·0	30·8	a	9·0
9·8	51·3	57·3		
9·6	52·5	50·7		9·8
9·8	57 19·6	12·1		
9·8	20·3	16·9		9·8
9·8	20·8	48·9		9·8
9·8	58 0·5	20·8		
9·8	0·8	8·7		
9·8	1·8	45·7		9·3
8·5	5·4	19·7	Ca	8·5
9·8	33·5	26·1		9·8
9·8	37·0	19·5		9·6
9·4	43·0	1·2		9·5
8·0	50·8	34·1	Cbl	8·4
9·8	59·0	39·9		
9·8	59·3	4·8		
9·8	59 0·8	28·4		
9·8	0·8	31·0		
9·8	5·9	30·3		
9·8	8·4	27·2		
9·8	9·6	8·1		9·1
9·2	38·2	53·2		9·0
9·1	43·2	36·1		9·1
	+1 8·3	−5·8		

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3961—4020.

mag.	8h.–9h. m s	—19° '		
9.6	59 49.7	58.6		9.3
9.8	58.9	46.2		9.8
9.8	0 20.9	50.4		
8.4	27.9	36.4	Cal	8.5
9.4	29.4	27.4		9.2
9.6	32.1	37.9		9.8
9.8	1 36.2	24.1		
9.8	37.2	47.2		9.8
9.8	38.9	10.5		
9.8	39.2	8.2		9.8
8.3	39.4	50.7	Ca	8.6
9.8	2 6.9	21.3		
9.6	15.5	58.7		9.7
9.0	20.0	15.2	Ca	8.9
9.8	21.2	4.9		9.8
9.8	27.9	24.0		
9.5	33.8	45.9		9.4
9.6	39.2	48.2		9.8
9.8	58.1	35.3		9.8
9.2	3 9.0	31.4		9.1
9.8	16.8	2.9		
9.0	21.3	35.8	a	9.2
9.8	21.8	21.1		9.5
9.2	38.5	20.6		9.3
9.8	41.8	19.0		
9.8	4 0.8	45.2		
9.2	5.0	2.0		9.2
8.6	8.3	14.1	Cal	8.4
9.0	9.0	6.8		9.1
9.8	18.5	24.6		
9.6	31.8	24.3	a	9.1
9.8	33.4	35.2	a	9.7
9.8	59.9	20.1		
9.8	5 8.2	6.2		
9.8	8.6	51.4		
9.8	25.2	52.8		
9.8	38.2	16.3		
9.8	39.6	47.4		
9.2	53.5	32.9	a	9.7
9.8	57.7	51.0		
9.8	6 0.4	25.0		
9.2	10.4	26.8	a	9.0
6.9	15.2	14.2	Gatlπ	6.3
9.8	17.9	50.6		
9.8	45.6	0.7	a	9.5
9.8	57.1	19.8		9.8
9.8	57.4	3.6	a	9.7
9.8	59.6	33.9		9.8
10.8	7 7.4	18.8		
10.7	15.3	35.3		
10.4	41.5	52.6		9.8
10.4	52.5	36.4		
8.9	55.4	14.1	Ca	8.5
10.6	56.8	24.5		9.8
10.4	57.4	30.9		
10.3	57.9	38.7		9.8
10.8	59.6	18.4		
10.6	8 0.9	51.1		
9.0	3.4	59.4		9.0
8.9	4.4	47.3	a	8.7
25pr.	+1 8.6	−6.0		

4021—4080.

mag.	9h. m s	—19° '		
7.7	8 4.4	42.9	Cal	8.2
8.2	4.9	27.8	Ca	8.2
10.0	11.4	32.6		9.8
10.2	18.4	49.7		
10.0	20.4	17.4		9.5
9.6	28.4	41.7		9.8
10.8	36.4	17.8		
8.9	43.4	29.1	Ca	8.0
10.6	50.4	46.6		
10.8	9 7.4	14.8		
10.8	10.4	52.2		
7.1	18.4	36.2	Cal	7.3
9.4	19.4	17.6		9.5
7.4	29.4	4.8	Cal	7.2
9.2	32.9	16.4		9.0
10.7	39.9	2.5		
9.2	43.4	24.2		9.6
10.4	47.5	9.4		
9.4	47.9	45.3	:	9.4
10.0	52.5	18.4		
8.5	53.0	36.3	a	9.0
10.7	59.0	22.9		
10.8	10 2.5	56.1		
10.8	12.0	7.7		
9.2	18.5	0.8	a	9.2
10.6	23.0	49.2		
10.7	24.5	57.6		
9.3	34.0	32.5	a	9.2
9.3	11 8.5	37.8	a	9.1
10.0	9.5	48.6		
10.4	11.0	56.9		
9.4	27.0	54.4	a	9.0
9.0	27.5	49.0	a	9.3
10.7	29.5	56.2		
10.4	34.0	7.2		9.8
8.3	52.5	2.0	C	8.5
10.7	59.5	43.7		
10.4	12 3.0	32.7	×	
10.7	8.5	57.9		
8.6	10.0	6.8	C	9.0
10.6	17.5	7.3		
10.0	33.0	31.2		9.6
10.8	34.0	56.2		
8.3	37.0	50.5	a	9.0
7.7	41.0	50.7	Ca	8.0
10.8	57.5	31.0		
10.8	13 6.5	42.7		
10.8	8.0	57.7		
10.6	14.5	0.7		
10.6	19.5	48.8		
8.5	24.0	54.7	a	9.0
10.7	25.7	57.7		
10.7	25.9	49.9		
9.5	29.2	44.7	a	9.5
10.7	37.2	0.1		
9.6	37.7	16.2		9.4
10.8	39.7	16.5		
10.7	39.9	4.3		
10.4	14 5.7	29.1		
10.7	5.7	11.4		9.5
	+1 8.8	−6.2		

4081—4140.

mag.	9h. m s	—19° '		
10.8	14 6.9	37.6		
9.3	7.7	25.7		9.6
10.3	9.2	37.3		9.8
10.6	9.2	24.5		
10.6	13.2	30.0		
9.0	16.2	17.3		9.7
10.7	31.2	2.8		9.9
10.0	36.7	45.6		
10.6	36.7	2.2		
10.8	46.7	6.2		
10.7	47.2	47.1		
9.8	49.7	57.2		
8.6	49.7	45.2	a	9.0
10.8	51.7	25.2		
8.9	57.7	3.6		9.1
10.0	15 1.2	16.9		9.7
9.4	6.7	43.7		
10.0	13.7	23.4	:	9.3
10.6	16.7	7.5		
9.0	17.7	38.7		9.0
9.6	20.7	9.1		9.5
9.4	32.7	33.5		9.8
9.6	44.7	36.3		9.8
10.7	47.2	17.1		9.5
10.8	48.7	42.4		
10.8	50.7	6.5		
10.3	56.7	52.1		
9.3	58.2	11.7		9.3
10.8	58.2	50.1		
10.8	58.2	8.5		
10.8	16 13.5	13.8		
10.8	14.5	44.1		
10.6	15.0	36.9		
9.2	16.5	41.9		9.3
9.6	17.5	0.6		9.3
9.4	26.5	32.5		9.8
10.4	28.6	5.4		
10.4	29.5	29.5		
10.7	34.5	10.4	?	
9.6	44.0	17.3		
10.8	44.0	11.2		
10.7	56.5	27.3		
10.0	56.5	40.9		9.6
9.2	17 13.5	16.6		9.4
10.4	16.0	21.9		
10.6	24.0	2.7		
10.4	37.0	30.1		9.8
9.2	40.0	0.1		9.5
10.6	44.5	48.5		
10.8	49.5	1.0		
10.6	54.5	41.7		
10.7	57.0	0.8	?	
10.7	18 0.0	48.2		
10.4	10.5	45.2		
9.8	14.0	30.7		9.8
10.2	21.0	12.4		9.5
10.6	25.5	27.4		
9.0	35.0	35.7	C	8.9
10.0	46.0	53.0		
9.3	48.0	26.2		9.8
	+1 9.0	−6.3		

4141—4200.

mag.	9h. m s	—19° '		
9.8	18 51.0	41.8		9.8
8.5	52.5	3.1	C	9.0
10.4	58.5	10.0		
10.3	19 0.5	51.5		
10.8	1.5	17.9		
9.8	2.6	48.4		9.4
9.8	3.0	2.4		10.
9.6	3.3	21.0		9.8
10.8	6.8	5.9		
10.8	19.3	55.4		
10.4	25.3	56.4		
10.6	32.3	50.5		
10.3	35.8	42.0		
10.3	36.8	20.7		
10.6	38.8	30.3		
10.7	20 2.3	14.2		
8.6	9.3	50.4	a	9.0
9.6	12.3	40.9		9.8
10.6	14.8	21.3		
8.6	24.3	33.1	C	8.2
10.0	24.8	26.2		
9.2	25.8	5.0		9.4
10.2	27.8	17.0		9.7
9.6	29.3	31.1		9.3
10.8	29.8	42.6		
10.8	36.8	57.4		
10.7	41.3	43.9		
10.7	46.8	1.9		
10.6	52.9	56.6		
10.8	21 3.3	4.6		
9.8	6.3	6.2		9.5
9.0	8.8	34.2	G	9.1
8.6	12.3	8.3		9.0
10.0	37.8	7.8		
10.3	41.3	48.2		9.8
10.0	44.3	46.1		9.8
9.6	52.3	55.3		
10.8	55.8	18.1		
10.6	22 0.8	2.5		
10.8	2.6	52.4		
10.2	2.8	30.7		9.8
9.2	4.6	15.2		9.4
10.4	22.6	34.8		9.8
10.8	32.1	43.0		
10.8	37.1	54.4		
10.8	43.1	41.0		
10.8	44.1	0.8		
8.2	46.1	2.0	Cb	8.5
10.8	46.1	7.4		
10.8	46.6	56.4		
10.7	49.6	43.6		9.6
10.6	50.1	42.4		
10.0	56.1	20.5		10.
10.6	58.1	15.4		
10.4	23 3.1	42.2		
10.7	8.6	47.8		
10.7	10.1	48.8		
7.6	13.1	53.4	Cal	8.0
10.8	15.1	17.6		
10.0	20.1	54.1		
	+1 9.2	−6.4		

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4201—4260.

mag.	9h. m	s	—19° ′		
10·2	23	26·6	54·2		
10·4		51·1	31·8		
8·6		52·1	9·1		9·1
8·6		54·1	50·2		9·0
10·4		56·6	52·0		
10·4		58·6	23·6		
10·0		58·6	49·8		
10·2	24	3·6	24·8		
10·8		6·2	35·6		
9·8		11·7	58·4		9·8
10·2		14·6	22·0		
7·7		26·1	1·1	Cal	8·0
9·2		26·1	16·3		9·2
10·8		27·2	18·8		
8·0		30·2	15·2	Ca	8·5
8·6		38·2	3·2	Ca	9·0
10·8		45·2	57·2		
9·2		48·2	54·7		
10·7		49·7	11·1		
9·0		55·2	49·3	a	9·1
10·6		56·7	3·2		
10·3	25	17·7	47·3		
10·7		20·7	37·6		
10·6		24·7	2·0		
9·3		29·7	14·4		
10·7		32·7	22·7		
9·2		59·7	24·5		9·7
8·5	26	11·2	34·6		9·0
9·6		12·7	26·5		9·8
9·3		16·7	46·7		9·5
10·7		19·2	53·0		
8·8		23·2	34·1		9·2
10·3		26·5	59·0		9·8
10·3		30·2	47·4		
10·8		35·2	52·2		
10·8		42·7	32·5		
10·0		43·7	5·1		
9·6		55·2	43·0		
9·8	27	0·7	32·3		
9·6		2·7	35·0		9·9
10·8		7·2	42·9		
10·3		15·7	31·8		9·8
10·6		15·7	41·7		
10·8		19·2	58·2		
9·4		26·5	2·0		9·5
10·7		26·5	50·4		
10·2		28·5	43·9		10·
10·8		29·0	29·9		
10·4		34·5	12·8		
9·8		37·0	44·0		9·8
9·8		37·0	51·0		
10·0		49·5	57·6		
10·6		51·5	43·4		
10·3	28	1·3	28·9		9·8
7·9		4·5	20·4	C	8·5
10·4		8·5	56·9		
10·4		9·5	13·8		
9·6		13·0	27·3		
9·0		13·0	15·7		9·1
10·2		21·0	16·0		9·5
	+1	9·5	−6·5		

4261—4320.

mag.	9h. m	s	—19° ′		
9·8	28	55·1	7·7		9·8
9·1		59·6	38·9		9·1
10·3	29	22·1	20·4		
9·8		24·6	23·9		9·8
10·1		31·1	4·6		
8·6		32·1	0·2	Cal	8·8
6·8		44·1	1·5	GCal	6·7
10·0		47·1	11·6		
8·9		48·1	1·6	C	9·2
9·1	30	11·6	59·8	Ca	8·4
10·1		23·7	53·5		9·9
9·0		28·6	50·0		9·0
10·3		29·7	15·6		
9·6		30·1	32·0		9·8
9·6		41·6	45·7		9·4
9·6		56·1	47·7		
10·3	31	1·6	15·2		9·6
9·8		5·6	14·0		
10·3		11·1	49·7		9·8
9·6		11·6	40·7		9·8
10·3		14·1	49·2		
9·5	32	0·6	42·8		9·3
9·2		9·1	45·9		9·4
9·6		25·1	18·5		9·6
8·4		27·1	3·9	GC	8·7
9·4		27·6	21·8		9·6
8·6		32·1	58·6		8·6
9·5		43·6	12·7		
10·3		56·6	57·2		9·8
10·3	33	2·1	34·1		
9·6		2·1	28·7		9·7
9·0		2·6	36·3		9·3
9·0		7·6	41·9		9·4
10·3		20·7	2·9		
9·6		48·6	29·2		9·4
9·6	34	13·1	52·0		9·8
9·0		15·6	15·0	C	9·0
9·5		27·6	59·1		9·7
9·5		35·6	39·2		9·1
10·3		46·7	10·4		
10·3	35	1·6	41·1		
9·4		20·6	44·0		9·8
9·4		21·1	26·3		9·4
9·5		51·6	18·9		9·4
9·0		56·2	46·8	C	8·6
9·6		57·6	57·8		9·8
9·0	36	1·7	36·0	C	8·5
9·4		4·7	32·0		9·6
10·3		11·7	1·8		
10·1		27·7	50·6		10·
10·1		30·2	26·0		9·5
8·8		34·2	54·5	C	8·5
9·6		49·2	13·3		9·5
10·0		51·2	34·2		
10·1		51·2	18·4		
10·0		55·7	51·7		10·
10·3	37	15·2	0·9		
9·4		20·0	59·4		9·3
9·6		21·2	6·2		9·5
10·0		27·2	23·9		
	+1	9·7	−6·7		

4321—4380.

mag.	9h. m	s	—19° ′		
7·6	37	41·2	47·6	GCb	7·0
9·5		45·2	5·9		9·8
10·1		45·2	4·4		9·9
9·5		58·7	37·4		9·5
9·8		58·9	59·9		
10·0	38	4·7	30·7		
9·5		12·7	44·0		9·2
10·3		16·1	58·1		
9·8		42·1	13·3		9·5
8·8		43·2	45·4		9·1
9·0		43·2	22·0		9·0
10·1	39	2·1	30·1		10·
9·6		4·7	42·2		9·8
10·3		10·7	19·7		9·8
10·1		17·2	15·7		
9·4		20·7	9·5		9·4
9·0		21·7	5·5		9·3
9·5		22·1	16·1		
9·6		25·2	18·5		
9·6		25·7	52·2		9·8
9·6		27·7	37·0		9·8
8·2		31·7	45·8	Cbl	8·2
8·4		49·2	0·3	Cbl	8·3
8·6		51·2	7·6	Cbl	8·8
9·2		51·7	53·8		9·5
10·0		52·2	43·4		
9·4	40	8·7	51·8	a	9·0
10·1		10·1	28·0		
7·5		16·2	9·2	Cbl	7·0
8·9		19·2	52·5	a	9·1
9·6		22·2	21·4		9·8
9·5		24·2	46·5		9·7
9·4		29·4	32·2		9·5
10·1		32·9	24·2		9·7
10·0		50·9	47·2		9·9
8·8	41	9·4	47·9	Ca	8·5
9·8		11·1	57·9		10·
9·6		11·9	16·6		9·6
9·4		13·9	9·9		9·4
9·6		14·9	1·9		9·4
10·3		23·8	33·7		
10·3		26·8	23·1		
9·5		30·4	31·3		9·9
9·8		33·9	37·9		
9·4		36·9	40·7		9·9
9·8		41·4	7·4		10·
10·0	42	5·9	41·8		9·8
10·0		6·4	3·7		9·6
9·0		12·4	32·1		9·9
10·0		18·4	29·1		
9·6		35·9	35·4		9·4
10·3		37·9	7·9		
8·7		38·9	22·7	Ca	8·2
9·6		51·9	14·9		9·2
9·4		54·4	14·7	a	9·2
10·1	43	10·8	16·4		
10·3		13·6	58·2		10·
8·0		14·9	4·0	Cal	8·2
10·0		24·4	9·3		
10·0		25·9	21·0		
25pr.	+1	10·0	−6·9		

4381—4440.

mag.	9h. m	s	—19° ′		
10·2	43	30·9	22·9		10·
9·6		34·4	8·7		10·
9·5		47·4	15·0		9·6
10·0		55·9	12·0		
10·0		56·9	53·5		
9·8	44	1·4	55·4		10·
9·4		10·4	5·9		9·5
8·8		10·4	41·5	a	9·0
10·2		30·9	59·0		
10·2		36·4	55·3		9·9
9·5		46·9	11·5		9·6
8·6		58·9	31·7	Ca	8·5
9·6	45	1·9	21·0	}	9·0
8·9		2·9	21·4	a }	
8·8		11·9	33·2	a	8·7
9·6		17·9	23·8		9·8
10·0		25·8	11·3		9·7
9·5		36·4	58·3		9·8
8·2		39·9	4·9	Cal	8·0
9·0		40·9	6·6		9·2
10·0		54·2	34·3		
8·4		58·2	27·3	Cal	8·0
8·8		58·2	10·4	Ca	8·6
9·0	46	24·7	36·7		9·4
9·4		44·7	42·2		9·8
9·6		53·2	39·7		
9·5	47	0·2	21·6		10·
10·1		3·2	57·4		
10·2		10·7	44·6		
9·4		22·7	41·4		9·5
9·6		23·7	2·5		10·
8·6	48	4·7	14·4	Cb	8·8
8·4		28·7	42·2	Ca	8·4
9·6		31·2	51·7		9·3
9·2		31·7	18·1		9·3
9·6		34·7	18·2		
10·4		49·3	12·9		
9·4		59·3	35·4		9·3
9·7		59·3	15·8		9·4
10·4	49	7·8	13·2		9·1
9·7		23·3	56·9		
9·2		34·3	34·0	a	9·2
7·6		36·8	23·2	Ca	8·0
9·4		43·8	6·0		9·1
9·5		48·0	20·5		9·8
6·8		51·3	5·2	Cb	7·5
9·5		57·3	14·2		9·4
10·4	50	7·0	5·4		
8·8		7·3	21·6	Ca	8·7
8·3		20·5	7·2	Cbl	8·0
9·4	51	6·0	48·0		9·5
10·0		25·0	45·7		9·8
9·7		31·5	40·2		9·7
9·6		32·6	58·2		9·7
9·4	52	22·0	50·3		9·5
8·8		33·0	41·7		9·0
10·0		44·0	29·5		9·8
10·4		52·0	23·4		
9·8	53	0·0	44·7		9·7
10·4		6·0	52·2		
	+1	10·3	−7·0		

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4441—4500.

mag.	9h.–10h. m	s	−19° ′		
9·4	53	24·0	20·2		9·1
9·8		24·0	20·6		
9·7		25·5	21·6		9·4
7·8		25·5	34·4	Cbl	8·0
7·7		26·7	45·5	Gbl	6·4
10·2		34·7	27·1		9·4
10·2		40·7	8·6		
9·2		54·2	54·1		9·4
10·0		55·2	55·6		10·
8·8		56·7	34·4		8·9
9·5	54	33·7	2·3		9·5
8·8		43·7	20·5		9·2
10·4		43·7	3·1		
10·2		50·2	36·5		
10·4	55	5·7	53·3		
10·4		5·7	53·8		
10·2		20·2	43·1		
8·0		26·7	4·4	C	8·6
10·0		26·7	53·8		
10·0		40·2	39·9		9·5
10·2		46·7	19·4		10·
9·2		57·7	55·1		9·5
10·4	56	0·7	6·4		
10·0		8·7	41·1		
10·0		14·7	4·6		
8·6		16·7	9·8		8·6
8·8		39·4	58·1		9·2
6·8		43·4	49·3	Gbl	7·0
10·2		46·4	34·2		9·8
9·4	57	2·4	8·1		9·1
10·4		27·4	49·0		
9·6		28·9	7·0		9·8
10·2		57·3	27·0		
10·2		57·9	59·3		
9·0	58	6·4	17·8		9·0
10·0		10·4	46·1		
9·7		26·4	12·6		9·3
10·4		53·4	46·6		
10·4		54·3	27·1		
10·4	59	2·4	15·4		
10·2		7·7	26·4		
9·4		9·2	52·5		9·5
10·4		12·2	38·2		
9·8		17·2	53·8		9·8
10·4		21·4	17·4		
10·4		26·2	46·8		
10·4		35·2	48·7		
9·6		53·2	14·7		9·8
8·6	0	0·2	56·3	C	8·5
8·8		5·2	10·4		9·0
10·4		6·2	33·6		
9·8		31·2	33·7		
10·0		33·2	0·3		
9·4		33·7	55·2		9·8
9·0		40·2	39·3		9·1
9·8		40·7	29·4		
9·1		45·2	8·6		9·6
9·4		53·2	26·7		9·7
9·7		56·7	2·8		9·7
8·8	1	5·2	11·7	Ca	8·8
25pr.	+1	10·8	−7·2		

4501—4560.

mag.	10h. m	s	−19° ′		
10·4	1	21·2	15·6		
9·7		22·2	34·3		9·2
9·4		26·7	26·4		9·8
7·2		26·7	6·0	Cal	7·2
10·0		33·2	51·1		
9·5		33·2	23·3		9·3
9·5		46·7	50·3		9·6
9·2	2	5·4	42·9		9·5
10·4		5·9	15·5		9·6
10·2		5·9	16·0		
8·8		12·4	55·0	Ca	8·6
10·2		20·9	52·0		
9·6		25·9	25·3		9·8
7·6		26·4	8·0	Cal	7·2
10·2		30·9	7·8		
10·4		38·4	28·4		
10·0		39·9	57·6		9·6
10·4		40·9	46·1		
9·0		46·9	42·1	a	8·8
9·8	3	17·9	28·2		10·
10·2		32·9	53·2		
10·4		41·9	15·6		
9·4		41·9	58·8		9·8
9·1		50·9	21·5	Ca	8·8
9·0		58·5	57·4		9·3
9·4	4	14·1	43·9		9·6
8·8	5	2·6	20·4	Ca	8·8
8·6		15·1	36·8	C	8·6
9·0		22·6	19·4	a	9·5
10·0		24·1	11·5		9·5
9·4		31·6	38·9		9·8
9·7		53·1	21·6		9·8
10·4	6	0·1	10·2		
9·0		1·6	13·6	a	9·2
9·5		2·6	21·2		9·9
10·4		7·6	42·7		
9·8		12·1	52·1		
9·6		15·1	2·6		9·8
9·5		15·6	23·8		9·5
10·0		21·6	37·3		
8·8		31·6	5·6		9·3
8·5		32·6	12·4	a	9·0
10·0		42·6	50·3		
10·4		49·1	12·1		
10·0		51·1	9·1		
10·4		51·9	9·2		
9·5		53·6	30·0		9·5
7·7	7	3·4	4·4	GCbl	7·0
10·2		6·6	47·8		
8·8		18·0	32·8		9·1
8·6		19·4	20·4	a	9·0
9·4		33·3	25·8		9·5
9·4		55·4	17·2		9·3
8·8	8	6·4	6·2		9·3
10·1		14·4	38·6		9·8
10·3		23·1	30·7		9·8
10·3		44·1	34·5		9·5
10·2		45·1	4·2		9·5
9·4	9	32·1	16·3		9·3
10·2		34·1	46·7		9·5
	+1	11·2	−7·8		

4561—4620.

mag.	10h. m	s	−19° ′		
9·2	9	34·6	17·2		9·2
8·8		42·6	13·1	Ca	9·0
10·3		50·6	22·1		10·
9·6	10	1·6	29·4		
9·7		3·1	22·7		9·4
9·4		18·1	2·6		9·0
9·4		39·6	51·6		9·4
8·4		54·1	52·2	Cal	8·7
9·6	11	0·6	39·1		9·8
10·3		18·6	42·3		
10·3		33·6	11·3		10·
9·0		48·6	50·2	a	9·2
9·4	12	26·6	52·1	a	9·1
9·7		40·6	13·5		9·4
10·0		43·6	31·1		9·3
10·0		44·1	48·6		9·5
8·7	13	2·4	41·1	Ca	8·5
10·2		6·6	20·0		
9·6		12·4	47·0		9·5
8·8		27·9	23·3	a	9·0
8·6		31·4	52·8	a	9·0
10·1		36·4	46·3		9·9
9·2	14	10·9	21·7		9·1
10·1		12·9	41·7		9·5
10·1		50·9	19·1		9·6
10·0	15	12·9	53·2		9·8
9·6		12·9	21·6		9·5
9·7		43·7	17·4		9·4
8·2	16	3·7	56·9	C	7·5
6·7		14·2	14·2	GCbl	6·5
9·3		21·7	56·2		9·4
9·8		23·2	47·3		9·5
10·1		30·4	26·8		10·
9·6		57·9	48·4		9·5
9·0	17	10·9	5·9	C	9·0
8·1		40·9	36·3	Cal	8·2
10·2		42·4	27·8		
10·0		43·4	21·6		9·9
8·8		45·4	17·2	Ca	8·8
10·0		48·9	14·9		10·
10·2		56·9	5·0		
9·0	18	8·9	8·9	Cb	8·7
10·2		18·2	0·2		
10·2		25·7	39·8		
9·0		27·2	20·4	Ca	8·8
8·6	19	3·2	58·5	C	9·0
10·1		11·7	10·5		10·
8·4		16·2	10·1	Cal	8·1
7·9		51·9	41·4	Cbl	7·7
8·9		53·4	21·0		9·2
10·0	20	0·4	23·6		
8·8		2·4	9·4	b	8·9
9·6		2·9	18·2		9·3
9·3		5·4	44·0		
9·8		7·9	33·0		9·5
9·4		23·9	37·2		9·6
9·0		29·4	5·2		9·5
10·3		32·9	41·6		
8·4		38·9	49·0	Cbl	8·7
10·0		54·4	23·8		10·
	+1	11·7	−7·5		

4621—4680.

mag.	10h. m	s	−19° ′		
9·6	21	0·9	30·2		9·8
9·4		31·4	40·6		9·5
8·9		32·9	46·0	a	9·0
9·0		38·9	48·8	a	9·1
9·0		41·4	52·5		9·3
10·0		43·9	5·9		9·4
9·4		47·9	6·2		9·4
10·0	22	5·4	38·2		9·2
10·1		12·0	24·4		
10·3		28·0	48·0		
9·6		31·0	5·0		9·4
10·0	23	1·0	13·4		9·8
10·3		18·5	5·8		
10·3		25·0	8·4		
10·0		25·0	10·8		
10·0		39·0	30·2		10·
8·5	24	13·0	57·6	Ca	8·7
8·5		21·0	13·2	Ca	8·6
10·3		26·5	41·4		
10·2		27·3	48·0		9·6
9·8		29·3	47·2		9·6
9·0		34·8	41·0		9·0
8·5		44·8	27·8	C	8·8
10·1	25	7·3	46·0		
10·1		10·8	49·9		
8·8		13·8	13·6	C	8·9
9·2		48·8	9·4		9·3
8·5		59·4	42·2	C	8·8
9·0	26	8·4	0·7		9·0
9·3		10·7	56·5		9·7
9·6		49·0	52·4		9·8
9·6		51·4	24·3	C	8·9
10·1	27	28·4	19·4		9·8
10·3		28·4	36·6		
9·6		29·4	45·0		9·1
8·3		29·4	32·1	C	8·5
9·2		37·0	13·3		9·5
9·4		37·0	16·2		9·5
10·4	28	23·9	7·2		9·8
9·2		28·9	9·8		9·0
9·6		37·9	8·3		9·5
9·0	29	23·6	44·7	C	9·0
10·4		35·6	36·3		
9·3		44·1	1·2		9·3
9·2		50·6	3·9		9·5
9·2		50·6	19·9		9·1
9·6		50·6	39·0		9·3
9·2	30	2·3	49·8		9·4
9·0		36·3	51·9		9·3
9·2		38·7	57·3		9·7
8·4		46·3	14·5	Ca	8·0
8·3	31	38·3	38·9	Cbl	8·7
10·0		53·3	26·8		9·4
10·0		55·8	32·2		9·2
9·6		59·3	16·6		9·8
9·2	32	23·3	5·5		9·2
10·2		41·8	12·6		10·
8·0		43·8	55·7	Cal	8·0
9·8	33	5·3	4·8	C	9·2
10·4		6·8	1·6		9·5
	+1	12·1	−7·7		

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4681—4740.

mag.	10h. m	s	—19° ′		
9·0	33	17·8	55·8	a	9·2
9·9	34	20·2	58·7		9·8
10·4		28·3	33·8		
9·0		36·3	54·7		9·4
10·2		44·3	11·3		10·
8·8		56·3	38·7	a	9·1
10·2		56·3	35·4		9·6
10·4		56·8	46·0		
8·8	35	0·3	39·3	a	9·0
10·4		52·9	27·7		
7·8	36	19·9	57·0	Cal	7·5
9·4		32·4	49·8		9·4
9·6		32·9	39·5		9·5
10·2	37	7·4	6·5		9·4
10·2		19·9	39·5		9·8
10·2		31·9	33·5		9·5
9·0	38	9·9	24·8		9·1
10·4		15·9	34·5		9·8
10·2	39	0·8	52·9		9·4
10·0		12·9	5·4		9·2
8·6		14·9	2·3	Ca	8·5
9·8		38·0	57·3		9·2
8·7		46·9	3·1	Ca	8·8
10·0		55·8	30·3		9·1
8·6		57·4	12·2	C	8·5
8·0	40	24·9	6·1	Cbl	7·0
9·4		35·9	35·3		9·8
8·7		36·4	3·8	a	8·8
8·7		52·6	13·3	Ca	8·9
10·4	41	34·6	43·2		
9·9		43·6	24·8		9·5
7·9		49·6	40·8	Cbl	8·0
9·8	42	13·6	59·8		9·6
9·6		22·6	8·5		9·8
10·4		25·6	32·4		
8·8		52·6	45·0	a	9·0
10·4	43	11·6	39·4	a	9·5
9·0		21·6	22·1		9·3
9·0		23·1	15·5		9·4
9·9		35·6	38·2		9·8
9·3	44	20·7	31·7	C	8·8
8·4		39·8	22·1	C	8·3
9·8		52·2	57·3		9·6
9·4	45	2·2	2·1		9·4
10·2		15·1	52·1		9·5
9·3		42·2	29·5		9·1
10·2	46	1·1	20·9		9·3
9·2		11·2	7·8		9·0
10·4		57·1	22·8		9·7
7·5	47	0·2	57·4	GCal	7·0
9·2		5·7	24·3		9·2
10·4		5·7	0·0		
8·7		18·3	29·9	a	9·1
6·1		23·2	27·9	GSlπβ	5·0
8·6		28·4	34·3	a	8·7
9·3		39·7	34·8		9·2
10·2		40·2	44·8		
10·4		58·1	54·0		9·8
9·8	48	5·8	28·7		10·
10·4		10·2	9·5		
25pr.	+ 1	12·9	— 7·9		

4741—4800.

mag.	10h.-11h. m	s	—19° ′		
8·0	48	22·2	34·1	Gatlπ	8·0
10·2		30·1	48·0		9·4
9·1	50	13·8	16·1	a	8·8
8·9		16·3	36·0	a	9·1
9·2		16·8	55·9	C	9·1
9·3		53·3	29·9	a	9·3
9·8		59·3	29·1		9·5
9·6	51	5·3	29·2		9·4
9·8		23·3	20·9		9·7
8·9		45·8	4·1		9·0
9·0	52	0·6	19·4		9·0
9·2		41·1	52·7		9·1
8·5		44·6	23·0	C	8·8
8·4	54	1·1	22·7	Ca	8·3
9·1		18·1	19·4		9·4
9·0		30·6	9·1		9·1
8·8		36·1	38·6	Ca	8·5
9·5	55	9·1	28·0	a	9·4
8·8		17·1	8·4	Ca	8·9
8·8		32·6	15·0	a	9·1
8·3		36·5	23·1	Cbl	8·0
9·0	56	11·5	8·6		9·4
9·3		45·0	2·3	a	9·0
9·0	57	12·5	58·9		9·0
9·0	58	16·0	42·2	a	9·1
9·4	59	33·5	25·5		9·1
8·2		42·0	43·9	Cal	8·2
9·8	0	3·9	56·4		9·5
9·8		7·0	15·3		9·4
8·8		18·4	13·9	a	8·9
9·5		55·9	21·6		9·2
8·4	2	33·9	22·6	Cbl	8·0
8·9		40·9	25·3		9·0
7·8		55·9	50·5	Ckbl	7·5
9·0	3	2·9	29·1		9·0
9·3	4	3·9	26·3		8·8
8·8		10·4	43·5	C	8·8
8·7	5	23·9	29·5	C	8·8
9·8		26·3	50·3		9·8
8·2		43·3	28·1	Cbl	7·5
8·4	6	27·3	1·1	C	8·3
8·6		58·3	51·9	Ca	8·2
9·6		59·3	13·0		9·4
8·4	7	26·8	46·2	Ca	8·2
8·8		46·3	14·6	a	8·7
9·8		53·3	3·9		9·7
8·4	8	31·8	58·5	C	8·0
9·6	9	0·5	2·0		9·4
9·2		14·8	10·7	a	9·0
9·5		23·2	33·6		9·8
9·6		32·8	42·6		9·8
9·2		48·4	27·3		9·3
9·1		51·1	28·1	C	8·8
9·8	10	8·6	27·9		10·
9·8		19·4	46·6		9·4
9·8		32·1	29·0		
9·4		32·1	12·8		9·8
9·8		36·4	9·3		
9·7		59·6	1·1		10·
9·8	11	0·9	13·7		
	+ 1	13·8	— 8·1		

4801—4860.

mag	11h. m	s	—19° ′		
9·8	11	10·9	11·7		
9·8		19·9	25·0		9·7
9·8		39·2	54·9		
9·2		48·5	58·0	a	9·1
9·8		51·9	21·2		9·8
9·7	12	9·7	47·6		
9·8		33·2	50·6		10·
9·8		42·7	33·2		10·
7·6		57·0	32·5	C	8·0
9·8	13	1·2	59·7		
9·2		1·9	8·7		9·0
9·2		9·9	47·9		9·5
9·8		23·8	18·3		
9·8		25·9	32·9		
9·4		33·2	9·1		9·4
9·8		33·9	52·6		
9·2		37·2	8·8		9·4
9·8		40·9	40·0		
9·7		41·9	22·1		10·
8·4	14	10·9	59·4	Cal	8·7
9·6		17·3	5·7		
9·4		22·3	19·8		9·2
9·7		23·3	36·7		9·8
9·8		29·6	39·2		
9·7		32·1	44·8		10·
9·4		36·4	32·2		
9·8		56·1	30·3		
9·4		58·1	36·3		9·5
9·0	15	12·3	45·9	Cal	8·7
9·2		20·9	39·1		9·4
9·2		21·6	27·5		9·4
8·4		33·9	49·2	Cal	8·7
9·5	16	0·9	27·3		9·6
9·4		3·3	30·3		9·4
8·2		30·9	10·8	C	8·0
9·8		33·3	35·8		
7·2		43·8	56·5	Gbtlπ	7·3
9·8		50·7	43·8		
9·2	17	2·4	17·9	C	8·7
9·7		9·5	9·8		9·8
9·8		14·0	23·8		
9·2		32·5	25·6		9·2
9·0		39·2	13·2	C	8·3
9·4		42·5	56·1		10·
9·2		43·0	28·8	C	9·3
9·8		43·0	20·5		
9·8		50·5	27·9		9·8
9·2	18	20·5	59·2	a	9·4
8·7		29·5	9·1	a	9·2
9·4		32·5	38·8		9·5
9·8		36·0	3·8		
9·2		38·5	8·4		9·3
9·5		55·8	39·4		9·8
9·8		59·0	46·1		
9·7	19	2·0	27·8		
9·7		34·0	38·7		
7·1		49·0	53·7	GCal	7·0
9·7		50·5	23·0		9·5
8·9		55·0	19·0	a	9·1
9·8	20	11·5	56·0		
	+ 1	14·6	— 8·2		

4861—4920.

mag.	11h. m	s	—19° ′		
9·5	20	48·3	29·7		9·8
9·2		59·2	23·5		9·7
9·2	21	10·3	54·2	a	9·1
9·8		19·5	47·7		
9·2		50·7	21·3	C	8·9
9·8		57·8	55·4		
8·7	22	49·7	6·3	C	8·8
9·5	23	12·0	30·1		9·8
9·7		22·3	1·6		9·8
9·4		23·5	16·1		9·8
8·4		52·7	31·6	C	8·8
9·7		56·5	44·7		9·7
9·8		58·7	51·2		
9·2	24	5·3	31·4		9·3
9·2		5·3	0·6		9·4
8·9		24·0	14·0		9·2
9·1		26·2	58·8	a	9·4
8·6		29·0	12·4	C	8·8
8·6		36·7	8·6	C	8·8
7·9		41·0	30·5	Ca	8·0
9·6		48·3	46·4		9·6
9·7	25	9·7	34·7		
9·8		36·5	23·8		9·4
9·4		50·5	56·7		9·8
9·8		52·4	48·9		
9·2	26	5·8	13·4	Ga	9·1
9·7		39·5	6·4		10·
8·4		50·0	7·6	Ca	8·7
9·8	27	8·0	54·1		
8·9		12·0	48·9	a	9·1
8·0		21·0	51·3	Cal	8·7
9·4		21·5	39·7		9·8
9·5		25·5	8·5		9·8
9·1		28·5	11·7		9·2
9·8		29·0	57·9		
9·7		35·5	55·9		10·
9·4	28	20·2	36·5		9·0
9·8		41·0	12·5		9·9
9·2		50·0	41·8		9·1
8·2		55·2	52·1	Cal	8·0
9·2	29	1·7	52·6		9·5
9·1		11·9	49·2	Ca	9·2
9·2		37·2	15·2		9·3
9·6		59·2	57·9	a	9·4
10·0	30	5·8	5·8		
10·0		20·0	18·6		
9·5		23·8	50·1	a	9·1
9·3	31	2·5	37·9		9·1
10·0		50·5	15·2		
9·5		51·8	4·0	Ca	9·1
10·0	32	12·2	21·6		10·
9·6		14·2	27·2		9·6
9·3		23·5	48·3	Ca	9·1
9·6	33	7·4	56·9		9·9
9·8		8·5	40·3		9·8
9·3	34	1·3	49·4	a	9·5
9·9		4·8	55·2		10·
10·0		24·2	57·4		9·5
10·0	35	11·4	6·8		10·
9·0		21·8	20·6		9·1
	+ 1	15·1	— 8·3		

4921—4980.

mag.	11^h m	s	—19° ′		
9·5	35	23·6	22·8		9·4
9·9		31·8	39·1		
7·3		44·6	35·9	GStlπ	6·3
10·0		46·4	0·4		9·7
10·0		50·1	28·8		
9·6	36	21·1	41·6		10·
8·0	37	3·8	7·8	GCbl	7·2
9·6		18·8	43·6		9·4
9·6		28·1	15·9		9·7
10·0		40·9	42·9		
10·0		57·7	56·9		
10·0	38	0·9	28·7		
10·0		2·3	7·9		
9·9		7·9	19·8		10·
8·9		18·2	43·0	C	8·8
9·6		43·3	11·7		9·4
10·0	39	17·8	4·6		
9·6		30·3	28·0		9·5
9·8		33·0	31·9		9·5
10·0	40	0·4	22·0		
9·4		43·8	23·2		9·6
9·8		55·4	18·9		9·5
9·9	41	7·1	56·1		9·8
9·2		9·6	26·6		9·1
9·9		19·6	22·7		9·8
9·3		40·8	54·0		9·3
9·6	42	0·8	21·5		9·5
9·3		17·8	29·2		9·0
9·3		37·1	12·9	a	9·1
9·8		48·1	21·7		9·8
10·0		50·6	4·4		
8·9		53·6	38·9	C	8·6
10·0	43	25·8	16·2		
9·9		42·3	44·4		9·5
8·8		57·3	8·3	Ca	9·0
10·0	44	5·1	48·5		
9·9		11·8	34·1		
9·8		17·6	43·2		10·
9·8		19·1	4·7		9·9
10·0		30·6	45·5		
10·0		33·1	7·5		
10·0		51·3	40·8		
10·0		54·8	29·2		
10·0	45	8·4	31·3		10·
9·6		9·6	42·4		9·9
9·8		12·3	26·9		10·
10·0		42·3	25·2		
8·5		59·6	16·6	Ca	8·3
8·4	46	32·8	0·6	Ca	8·5
9·8	47	3·8	56·1		9·5
8·5		17·1	39·4	Ca	8·6
10·0		17·3	37·5		
9·9		27·5	59·2		10·
8·2		29·1	48·5	Ca	8·6
9·9		30·8	46·3		
9·8		31·8	4·1		9·5
10·0		52·3	45·9		
10·0		57·3	51·4		9·8
10·0	48	7·9	39·9		
9·7		33·0	48·4	a	9·2
25pr.	+1	15·9	—8·3		

4981—5040.

mag.	11^h—12^h m	s	—19° ′		
10·0	48	52·4	59·0		
9·8	49	0·3	52·6		9·8
10·0		6·4	2·6		
10·0		22·4	3·5		9·7
9·0		29·9	9·7		9·0
9·7		37·6	56·5	a	9·4
9·4		39·7	16·9		9·0
9·0	50	17·7	5·6	C	8·5
9·9		21·2	54·0		
9·4		40·7	24·1		9·2
9·9	51	25·9	35·2		10·
10·0		29·6	37·7		
9·0		57·7	22·7		9·0
9·9	52	10·7	20·0		
9·7		18·9	38·2		10·
7·8		45·9	38·6	C	8·0
9·8		50·7	17·2		9·9
10·0		51·9	44·0		
10·0	53	9·9	27·4		
10·0		18·9	36·9		
9·5		20·7	5·1		9·5
9·8		24·5	51·9		9·9
10·0		57·2	48·4		9·8
9·4	54	12·7	34·2		
9·5		14·7	43·0		10·
9·6		25·9	44·4		9·5
10·0		28·2	23·4		
9·6		29·5	21·0		9·5
7·8		30·9	56·2	C	8·3
9·2		31·9	18·8		9·2
10·0		40·7	58·1		
7·8	55	0·2	58·0	Cbl	7·5
9·7		0·9	24·2		9·6
10·0		12·2	57·8		
9·9		32·2	49·4		
9·9		35·9	36·0		9·9
9·7	56	0·7	37·3		9·8
10·0		21·7	44·0		
9·5		30·7	30·9		9·4
9·6		38·9	51·0		
9·4		41·7	44·6		9·6
10·0	57	20·7	1·5		
10·0		28·9	41·5		
9·0		38·1	51·3	a	9·0
9·4	58	7·1	6·9		9·4
8·5		8·3	55·6	Ca	9·0
9·7		33·8	36·7		
10·0		48·3	47·2		
10·0		51·1	37·5		
9·9		51·3	48·0	a	9·7
9·4	59	1·5	18·7		9·4
10·0		4·1	30·9		
9·7		20·1	53·2		
9·4		41·5	35·5		9·0
8·2		49·6	20·6	Cbl	8·3
9·7		54·1	5·8		10·
10·0	0	0·3	3·6		
10·0		8·0	12·1		
10·0		23·8	47·2		
9·6		31·5	46·3	a	9·4
	+1	16·5	—8·4		

5041—5100.

mag.	12^h m	s	—19° ′		
10·0	0	38·1	37·0		
9·6		45·1	52·7	a	9·5
9·8		56·5	1·0		10·
10·0	1	11·3	47·9		
9·9		13·5	34·4	a	9·5
9·5		16·6	51·6		
9·2		23·8	32·3	a	9·4
9·4		43·8	6·3	C	9·0
10·0	2	15·1	20·7		10·
9·5		16·3	22·4	a	9·7
10·0		24·6	38·9		
9·4		33·1	14·1	Ca	9·0
10·0		40·5	3·4		
10·0		45·1	51·9		
9·7		56·3	54·8		9·5
10·0		59·0	57·9		
8·8	3	20·5	10·9	Ca	8·8
9·2		23·7	21·0		9·2
9·2		23·7	7·5	a	9·0
9·5		30·4	54·2		9·5
8·6		45·4	28·8	C	8·5
9·4		49·2	35·3		9·2
8·0		52·7	4·6	Ca	7·7
10·0	4	24·0	54·7		
9·4		48·0	19·3	a	9·2
9·5	5	0·3	2·8	a	9·4
10·0		1·4	10·9		
10·0		20·4	16·8		
7·5		23·2	14·0	GCbl	7·2
10·0		37·7	3·1		10·
10·0		40·0	48·6		
10·0		50·4	50·7		
9·0		51·4	17·8	C	9·1
7·6		52·4	10·6	GCal	7·7
8·6	6	8·6	25·2	C	8·9
10·0		11·4	31·1		
8·8		11·7	7·5	a	8·7
9·6		20·0	37·8		9·8
8·8		20·4	21·4		9·1
10·0		27·7	43·4		
9·2		30·4	39·3		9·5
9·5		40·4	41·1		9·5
9·6		45·0	56·1		9·6
10·0	7	5·4	35·3		9·8
7·6		19·2	37·8	C	7·5
9·4		20·4	22·2	a	9·3
9·8		21·0	40·1		9·6
10·0		41·7	11·2		
9·9		47·2	54·4		10·
10·0		49·4	46·5		
8·2	8	2·3	24·7	Ca	8·7
10·0		8·3	25·5		
10·0		14·6	26 6		
9·4		30·3	43·9	a	9·7
10·0		34·9	44 5		
10·0		37·4	5·1		9·9
10·0		53·1	25·3		9·5
10·0	9	7·5	2·0		
7·2		9·7	50·1	GCal	7·2
10·0		13·9	52 3		
	+1	17·1	—8·4		

5101—5160.

mag.	12^h m	s	—19° ′		
9·4	9	22·6	24·9		9·1
9·5		26·9	10·4		9·8
9·7		47·1	5·0		10·
10·0		49·4	22·8		
9·6		54·2	49·0		10·
9·5	10	3·6	35·2		
9·5		10·2	25·0		9·6
10·0		44·9	16·8		9·9
9·9		54·9	8·7		
9·9	11	13·6	56·1		10·
9·5		14·1	47·7		9·8
10·0		22·2	36·8		
9·9		29·7	55·2		
9·5		37·9	29·4		9·8
9·7		47·7	18·0		9·8
10·0		56·9	19·8		
9·5	12	0·4	27·8		9·7
9·6		44·2	51·8		10·
10·0		47·7	42·7		
8·6	13	15·9	39·6		8·9
9·1		18·5	14·4		9·0
9·9		31·9	39·7		
9·4		39·4	32·5		9·5
9·6		41·9	33·8		9·6
9·6		54·9	10·4		9·5
9·8	14	4·7	49·3		
9·0		11·9	55·7		9·1
8·2		13·3	31·9	Cbl	8·5
9·4		18·6	8·6		9·1
9·0		20·9	11·9	Ca	8·5
9·6		30·2	27·4		9·5
9·7		42·0	53·4		10·
9·6		52·0	28·2		
9·0		53·6	42·4		9·0
9·7	15	24·6	16·7		9·8
9·6		54·6	23·2		9·8
9·9	16	1·6	17·0		
10·0		20·9	21·1		
9·5		21·6	42·1		9·0
9·4		44·6	20·7		9·3
9·5		52·1	10·2		9·4
9·3		57·6	33·5		} 9·1
9·7		57·6	33·8		}
9·5	17	7·4	12·7		9·0
7·7		10·0	23·5	Cbl	7·7
9·6		15·5	18·3		9·6
10·0		35·5	59·9		
9·7		43·2	15·1		9·7
10·0		51·0	50·2		
9·1		52·0	14·6		9·4
9·8		59·5	39·9		
10·0	18	6·5	19·4		
10·0		12·5	21·0		
8·2		12·5	22·6	C	8·2
9·6		18·0	35·2		9·5
8·7		24·2	10·6	C	8·8
9·2		37·8	5·6		9·4
10·0		37·9	8·2		
9·6		52·8	45·4		9·9
9·8	9	5·2	46·6		10·
	+1	17·5	—8·3		

5161—5220.

mag.	12h. m	s	–19° ′		
9·4	19	14·0	40·6		9·4
9·9		33·5	53·9		
10·0		35·0	38·9		
9·9		35·2	39·4		
9·8		49·3	45·4		
9·9		57·3	29·0		
9·8	20	6·3	56·1		
10·0		29·1	41·1		
9·6		29·3	22·7		9·7
8·6		39·1	17·1	a	9·0
8·2		39·8	16·2	Ca	8·6
8·4		46·5	44·5	Cal	8·5
9·9	21	4·9	31·2		
9·8		26·6	51·4		10·
9·6		45·4	24·5	a	9·3
9·9		57·7	15·0		
9·9	22	15·6	10·3		
9·8		30·9	35·1		9·8
9·1	23	33·9	16·3	a	9·1
10·0		37·2	56·6		9·9
9·6	24	1·2	41·4		9·5
8·6		11·2	49·2	Ca	9·0
9·8		28·7	22·4		9·9
8·0		31·7	37·4	Ca	8·5
9·6		34·5	19·4		9·7
9·4		59·2	10·9		9·5
9·2	25	53·7	47·8	a	9·2
9·2		55·0	4·7		9·1
9·2	26	19·0	11·9		9·4
8·4		20·5	10·1	C	8·5
9·9		30·2	41·4		
10·0		46·7	29·7		
7·1		50·8	6·1	GCal	6·2
10·0		59·0	31·0		
8·6	27	3·3	49·0	Ca	8·6
9·8		8·6	11·2		
9·8		15·0	40·8		
10·0		29·6	8·8		
9·6		32·3	52·8		9·8
10·0		37·4	20·4		
9·6		42·7	30·2		9·4
9·8		43·6	6·1		9·8
9·9		46·7	15·5		9·5
9·4	28	1·6	32·3		9·3
9·5		34·6	10·2		9·3
7·8	29	19·0	46·6	Cbl	8·3
7·1		26·5	50·2	GCbl	6·7
9·4		43·0	19·9		9·5
9·5		44·3	25·1		9·8
10·0		55·1	29·8		
9·5	30	0·1	22·0		9·3
9·4		0·6	49·5		9·2
9·9		2·6	7·0		
10·0		14·1	27·7		
9·4		23·6	14·0		9·2
10·0		33·6	34·4		
8·7		40·6	23·4	C	8·5
10·0		46·9	36·2		
9·4	31	12·6	26·9	a	9·2
9·9		32·6	30·0		
25pr.	+ 1	18·1	–8·3		

5221—5280.

mag.	12h. m	s	–19° ′		
10·0	31	33·1	44·8		
10·0		39·1	11·5		
8·8		53·6	21·9	Ca	9·0
9·9	32	11·6	45·0		9·8
8·8		18·9	50·2	C	9·0
9·4		22·2	35·1		9·4
9·4		30·2	42·7		9·4
8·7		34·2	1·4	Ca	8·2
10·0		50·5	12·5		
9·6	33	10·5	17·6		10·
10·0		13·6	59·8		
9·7		32·2	56·4		9·8
10·0		39·2	38·4		
9·7		41·9	19·0		9·7
7·7	34	10·2	2·5	Cbl	8·2
9·9		18·2	42·0		9·9
10·0		20·2	26·7		
10·0		22·5	57·3		
9·2		31·0	25·4		9·2
10·0		41·7	6·9		
9·7		56·0	56·9		
7·8		57·5	55·9	Cbl	7·5
9·7	35	1·6	46·1		9·5
9·8		16·1	42·5		9·8
7·0		17·1	4·5	GCbl	6·2
9·2		21·3	16·7		9·2
9·7		32·8	19·6		9·8
9·6		37·1	12·3		9·8
9·9		59·8	26·4		
9·9	36	2·6	50·6	G	9·8
10·0		7·8	29·3		
9·8		13·8	34·3		
10·0		24·6	48·4		
9·8		25·5	59·4		
9·8		30·6	0·5		10·
9·6		47·8	45·7		9·5
9·9		52·6	9·0		
9·9	37	16·6	11·2		
9·4		48·3	59·3		9·6
10·0		49·6	58·1		
9·7		52·2	39·1		
8·5		57·1	16·5	C	9·0
9·7		59·8	37·2		10·
9·6		59·8	24·8		10·
9·7	38	6·6	52·4		9·9
9·4		9·4	8·1		9·4
9·6		15·4	17·7		9·5
8·5		19·2	13·8	C	8·8
8·6		39·7	33·4		8·6
10·0		51·4	16·5		
7·6		58·9	27·6	GCbl	7·5
9·8	39	11·9	44·5		
9·8		17·4	25·9		
7·9		23·7	23·5	GCbl	8·1
10·0		41·8	38·5		10·
9·4		45·0	29·0		9·5
9·9		49·1	29·3		
9·2	40	9·8	55·8		9·4
9·6		10·0	50·8		9·8
9·8		17·3	3·6		
	+ 1	18·6	–8·3		

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mag.	12h. m	s	–19° ′		
9·8	40	19·3	20·6		10·
8·7		21·3	15·1	C	8·7
9·6		50·9	17·3		
10·0		50·9	39·4		
9·7	41	1·5	23·7		
9·6		6·7	53·0		9·8
10·0		9·7	18·7		
9·8		25·2	16·3		
9·6		27·5	35·2		9·8
8·8		30·5	4·3	Ca	8·8
9·8		47·2	9·4		
9·6		49·7	26·8	}	9·5
9·6		50·9	26·4		
9·2		55·7	45·5		9·4
9·6		57·5	36·4		9·2
9·4	42	7·2	34·1		9·0
9·2		19·0	31·8		9·3
8·5		20·7	17·4		8·8
9·6		23·7	47·3		
9·6		30·2	32·8		9·5
8·3		35·2	55·6	Cbl	8·5
8·8		35·2	36·6		9·0
10·0		41·2	21·3		
10·0		42·0	13·1		
9·8		49·0	12·1		
8·6		54·5	12·9	Ca	8·9
9·6	43	14·7	32·8		9·6
9·4		21·0	21·1		9·7
9·9		25·7	0·7		10·
9·8		29·1	28·3		
8·0		34·6	41·1	C	8·3
9·8		34·6	33·4		
9·8		35·7	33·1		10·
9·6		47·1	9·2		10·
9·8	44	11·4	23·5		9·8
8·8		25·8	23·4		9·1
9·6		29·1	9·7		10·
9·9		29·7	37·3		
8·7		37·1	41·2		9·0
9·9		42·8	23·8		
9·1	45	29·1	38·4	a	9·2
9·8		32·4	19·5		
9·8		38·1	26·0		
10·0		40·8	37·6		
9·4		58·8	43·7		9·5
9·6	46	0·8	51·5		
10·0		28·4	16·1		
8·9		33·1	32·1	Ca	8·9:
8·8		51·9	11·6	Ca	8·5
9·4	47	28·7	32·8	a	9·2
9·9		29·9	11·2		10·
9·7		50·4	21·9		9·4
7·8		52·9	25·1	Cb	6·7
10·0	48	31·7	6·3		
9·6	49	25·5	20·3	a	9·4
7·9		27·5	32·0	GCal	7·7
9·6		41·5	6·7		9·4
9·6		53·5	5·4		9·4
8·6		58·5	43·8	Ca	9·0
9·4	50	48·0	2·8	a	9·2
	+ 1	19·0	–8·2		

5341—5400.

mag.	12h.–13h m	s	–19° ′		
7·8	50	58·0	4·4	Cal	8·2
10·0	51	5·2	2·6	a	9·4
9·4		33·0	24·6	a	9·5
7·9		37·1	42·4	Cbl	8·0
8·8		56·6	51·7		9·2
7·4	53	10·1	36·9	Cal	7·5
9·0		28·1	20·3	C	9·0
9·0		47·1	42·2	a	9·5
8·8	54	4·6	41·1	a	9·2
9·6		58·6	1·9		9·8
7·5	55	14·6	6·0	Cbl	7·8
8·8		23·8	58·6		9·0
9·0		24·6	25·7	a	9·3
9·4	56	3·6	13·5	a	9·5
8·2		18·1	48·9	C	8·5
9·6		21·6	30·3	a	9·3
10·0		39·1	48·6		9·8
8·3		49·6	0·3	Ca	8·8
8·8	57	0·6	45·5	a	9·1
6·6		4·6	54·7	Gbl	6·1
10·0	59	16·6	50·6		
9·2		26·6	33·2	a	9·1
8·2		44·6	23·2	Ca	8·5
8·2	0	23·6	28·2	Cal	8·5
10·0		24·1	38·0		9·7
9·2		47·1	35·6	a	9·5
8·8	1	15·1	10·8	a	9·1
8·4	2	29·6	4·5	Ca	9·0
8·3		40·6	55·8	C	8·8
9·0		45·1	49·3		9·5
6·9		49·1	27·3	Cal	7·5
8·6	3	12·1	35·3	Ma	9·4
8·6		13·1	40·5	a	9·3
8·4		51·6	4·8	C	9·0
9·4	4	20·1	10·6		10·
9·6		49·8	38·9		
9·6	5	11·5	58·0		
10·0		15·7	54·0		9·5
10·0		43·2	44·6		
9·8	6	34·7	5·4	a	9·3
8·6		40·7	36·4	a	8·7
9·6	7	2·8	33·7	a	9·2
9·6		3·5	18·0		9·5
10·0		23·3	9·4		
6·4		28·5	16·4	Gtlπβ	6·2
10·0		40·9	53·4		
10·0*		42·5	37·0		
10·0*	8	19·5	24·2		
9·6		34·8	23·8		9·2
6·7	9	13·5	16·6	GWtlπ	6·1
8·4		25·3	56·2	C	8·8
9·4		59·3	8·3		9·4
9·6	10	0·3	25·2		9·4
9·3		43·8	3·6		9·2
8·8		53·8	51·0	C	9·1
9·3	11	24·0	58·1	Ca	9·2
9·3		45·3	52·5	a	9·4
9·1	12	9·8	10·1		9·1
7·5		21·3	20·6	C	8·2
10·0		35·3	3·5		
	+ 1	20·1	–8·0		

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5401—5460.

mag.	13ʰ. m	s	—19° ′		
9·6	13	2·9	57·7	a	9·4
10·0		3·5	1·7		
8·8		9·0	54·5	a	9·2
9·4		43·0	22·1		9·8
8·4		49·0	42·9	Ca	9·0
9·4	15	24·0	30·9		9·7
9·6		31·0	38·8		
8·8		53·0	28·8	a	9·0
9·8	16	40·0	22·7		9·8
9·2	17	8·5	59·6	a	9·3
8·4	18	37·0	45·3	Cbl	8·5
8·3		47·0	31·4	Cbl	8·9
9·4		53·5	45·8		
8·5	19	11·0	9·9	Ca	8·2
9·1		33·5	55·9		9·5
8·5	20	15·5	42·4	a	9·1
8·8		23·5	41·0	Ca	9·0
9·4		56·5	34·7		9·8
9·8	21	25·5	10·1		9·8
9·6	22	42·0	4·1		9·5
8·1	23	15·5	39·9	GCtlπ	8·0
10·0	25	37·5	31·5		
9·8	26	5·5	9·6		9·4
7·6		25·0	20·7	Ca	7·5
8·6		41·5	58·6	Ca	9·0
8·4	27	36·2	48·9	Ca	8·8
9·4	28	21·5	47·8	a	9·2
9·8		50·0	11·2		9·6
9·3	29	5·2	4·7		9·1
10·0		6·8	32·1		9·1
8·8	31	2·0	31·5	C	8·7
8·7		31·0	47·2	C	9·0
8·6	32	8·5	13·4	a	9·1
9·4		25·0	4·4	Cb	9·2
10·0		48·5	2·8	C	9·1
10·0	33	33·0	32·2		10·
10·0		53·5	14·8		
10·0	34	26·1	9·4		9·6
10·0		34·9	43·4		9·5
10·0	35	19·1	51·0		9·5
9·6		21·6	10·0		9·2
10·0		58·6	43·6		9·6
9·4	36	12·6	16·6	Ca	8·7
10·0		33·1	2·2		9·5
10·0	37	32·9	28·8		9·5
9·4		45·6	43·6		9·5
9·8	38	12·6	17·1		} 9·3
10·0		13·1	16·9		}
8·7		16·1	6·0	a	9·1
9·4		33·6	46·2		9·4
10·0	39	10·1	56·8		9·8
10·0		26·6	7·0		9·6
8·6	40	7·6	18·7	Ca	8·5
8·1		26·1	39·6	Cal	8·2
8·4		43·0	44·8	Cbl	9·0
8·2		50·5	41·9	Cal	8·5
10·0	41	9·1	53·1		9·5
8·5		26·0	53·7		9·0
9·3	42	38·0	15·0		9·5
9·2		38·5	52·1		9·1
25pr.	+ 1	21·3	—7·7		

5461—5520.

mag.	13ʰ.—14ʰ. m	s	—19° ′		
10·0	42	41·0	38·9		
9·6		42·5	36·8		9·7
8·7		46·5	24·0	C	8·9
10·0		46·8	6·1		9·5
10·0	43	21·5	11·2		9·5
7·0		43·3	16·6	GCa	6·8
9·2		50·2	57·0		9·0
10·0	44	40·8	38·8		10·
9·4	45	8·3	17·5	a	} 9·0
9·4		9·3	17·7		}
9·8		56·8	16·0		9·2
9·8	46	5·8	29·4	K	9·7
9·4		30·3	34·7	a	9·5
9·4		32·8	23·6	a	9·4
10·0	47	24·5	12·5		9·8
9·6		34·3	23·0		9·6
9·6		35·8	32·6		9·5
8·8	48	24·3	43·7		8·9
10·0		24·8	27·1		9·5
8·8		31·9	30·4	C	8·5
8·8		59·9	38·1	a	9·0
9·5	49	31·9	14·3		9·1
9·1	50	9·9	29·9	a	9·1
8·6	52	5·9	26·1	Ca	9·0
9·2		35·4	5·9	a	9·2
9·0	53	15·9	48·6	C	8·8
9·2		23·9	24·0		9·3
8·8	54	0·9	5·2	a	9·0
9·6		41·3	59·0		9·3
7·6	55	39·9	12·3	GCtlπ	7·3
8·4	56	46·4	20·2	C	8·8
9·4	57	23·9	25·2		9·4
9·4		33·3	11·3		9·7
8·8	58	15·8	56·1		9·0
9·8		23·8	51·8		9·5
9·0		50·8	1·4		9·3
9·2		55·3	31·5		9·3
9·2	59	16·3	23·0		9·3
8·4		35·8	28·4	Ca	8·3
9·2		49·8	54·1	Ca	9·0
9·4		50·3	34·9	a	9·0
8·7	1	6·3	7·6	GCtπ	8·6
9·4	2	4·8	56·5		9·2
8·9		17·8	18·7	a	9·1
9·6		23·3	22·9		
9·6	4	34·8	17·7		9·4
9·1		49·5	58·9		9·4
10·0	5	22·1	51·4		9·7
10·0		43·1	53·8		9·7
9·4	6	51·0	16·6		9·3
8·0	7	4·4	37·2	Cal	8·0
9·4		39·2	54·1	a	9·3
9·4	8	4·3	22·5		9·3
10·0		15·5	31·6		9·5
9·0		41·1	22·1	Ca	9·1
10·0		42·3	43·0		
9·6	9	11·9	35·3		9·5
10·0	10	15·8	56·6		
9·3		16·3	22·7		9·4
8·4		21·8	53·4	C	9·0
	+ 1	22·5	—7·3		

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mag.	14ʰ. m	s	—19° ′		
10·0	10	22·0	42·8		9·4
7·1		31·3	22·7	Cal	7·5
10·0		41·8	9·8		10·
8·4	11	10·3	3·0	Ca	9·0
8·4		11·3	35·4	C	8·8
9·6		27·8	54·3		9·6
9·4		50·3	52·4		9·5
9·4	12	5·8	43·7		9·7
9·6		22·8	56·9		
10·0		51·3	48·8		9·8
9·0	13	11·8	52·0		9·3
10·0		36·3	51·1		
10·0		39·8	15·5		9·7
9·4		52·3	29·1		
8·0	14	32·3	6·5	Cbl	8·5
8·4		36·8	12·6	C	9·3
9·4		42·8	13·2		9·8
10·0		44·3	45·1		
9·7		53·8	10·7		
8·4	15	13·8	55·5	C	9·1
8·2		29·3	54·5	Ca	9·2
8·4	16	2·3	37·8	C	8·7
9·7		26·0	30·7		9·5
9·2		26·8	5·3	a	9·0
8·6		59·8	35·4	a	8·5
8·0	17	2·3	13·8	CWal	7·7
8·8		7·8	10·8	Wa	9·1
10·0		13·3	13·9		
10·0		16·0	38·9		
8·4		29·2	6·9	CWal	8·5
10·0		54·7	22·3		9·9
9·0	18	0·7	59·5	C	9·0
9·4		24·7	54·0		9·5
7·5		29·2	23·8	GCal	7·3
7·4		31·7	24·1	GCal	7·0
8·9		41·2	39·4		9·1
10·0	19	2·2	16·1		
9·6		12·2	14·4		9·5
8·8		26·2	3·0	a	9·0
10·0		33·2	1·5		10·
9·4		56·2	34·1		9·1
9·0	20	13·2	8·9	a	9·1
9·3		35·3	2·4		9·5
9·4		59·7	36·3		9·5
9·4	21	23·2	35·0		9·7
9·4		23·7	50·2		10·
9·0	22	15·7	47·6		9·5
10·0		27·7	13·1		9·8
8·8		34·2	10·2		9·2
10·0	23	4·2	0·9		9·5
8·8		16·7	47·0	C	8·7
9·8		17·2	42·0		9·8
9·8		27·7	56·6		9·5
9·2		41·7	37·2		9·3
8·0	24	12·7	25·2	Cal	8·0
10·0		20·2	19·6		
10·0	25	15·9	28·5		
9·4	26	21·7	1·9		9·4
9·6		23·7	53·7		9·5
7·0	27	48·7	53·4	GWlπμ	6·7
	+ 1	23·5	—6·9		

5581—5640.

mag.	14ʰ. m	s	—19° ′		
9·4	28	10·0	50·6		9·5
8·4		23·3	5·4	Cb	9·0
10·0		26·7	31·9		
9·2		34·5	29·6		9·5
9·2		49·4	13·4		9·1
9·2		58·2	3·1		9·3
9·9	29	6·9	44·9		
9·4		16·1	39·4	a	9·3
8·6		47·4	34·1	Ca	8·7
9·8		58·4	9·6		9·4
9·2	30	33·9	27·8		9·4
9·8		34·9	7·0		9·5
9·6		41·9	32·9		9·5
8·4		46·9	52·9	Cal	8·7
9·8	31	22·4	7·0		9·2
8·0		45·3	23·9	Cal	8·2
9·0	32	7·8	34·5	a	9·3
8·2		15·8	48·9	Ca	8·3
9·2		24·3	19·4	Ca	8·9
9·0		30·8	38·2	a	9·2
9·0		56·3	6·1	a	9·0
9·2		56·8	27·9		9·4
9·2	33	0·3	27·1	a	9·4
9·2		2·8	38·4		9·5
9·8		36·3	11·5	a	9·1
9·4		36·8	43·1		10·
9·9		44·3	55·5		9·5
9·9		54·8	27·7		10·
7·6	34	23·8	23·3	Cal	7·3
8·8		41·3	40·1	Ca	8·9
9·2	35	44·8	41·3		9·4
8·9		57·8	22·0		9·0
9·8	36	32·8	15·6		9·4
9·8		55·8	55·4		9·3
8·6	37	39·6	57·2	Ca	8·5
9·8	38	3·8	4·1		9·6
8·9		21·3	47·1	a	9·2
9·8	39	3·3	17·6		9·5
9·4		31·3	6·2		9·3
9·0		38·8	8·9	a	9·2
9·0		50·3	17·2	a	9·2
9·9	40	2·3	26·5		9·7
9·8		25·3	2·0		9·8
9·8		35·8	40·4		9·6
9·8		45·3	32·4		
9·9		46·3	41·1		
9·8	41	14·1	59·4	a	9·4
9·6		45·3	49·5		9·4
9·0		46·3	30·4		9·4
9·9		52·3	11·7		9·2
7·6	42	24·3	22·8	Cbl	7·3
9·8		32·8	21·0		9·3
9·2		43·3	5·4		9·5
9·4	43	10·3	21·0		9·5
9·6		27·3	17·1		9·3
9·2		36·3	2·2	Ca	9·1
9·9		54·3	22·2		
9·0	44	24·3	35·1		9·1
9·8		41·3	52·0		9·8
9·4		54·8	54·8		9·7
	+ 1	24·2	—6·5		

5641—5700.

mag.	14^h m s	−19° ′		
9·8	45 18·3	52·0		9·5
9·8	52·3	32·3		9·8
7·4	46 35·3	27·4	Cal	7·5
10·2	47 45·0	58·1		
7·4	48 1·6	30·1	Cal	7·3
9·5	4·4	5·7		9·7
10·1	22·8	48·4		
9·5	32·2	37·6	Ca	9·0
10·2	54·6	46·0		
8·1	49 5·1	52·9	Ca	8·0
9·8	18·3	14·7		9·3
9·9	21·6	52·3		
8·9	34·0	24·5	a	9·3
8·9	39·6	8·5	b	9·1
7·9	43·1	58·9	Ca	8·6
10·2	50 0·6	53·7		
10·2	3·0	10·3		
8·4	27·8	37·5	Ca	9·0
9·6	41·3	32·3		
9·8	44·8	45·6		
9·9	46·9	47·7		
10·0	51 4·1	23·8		9·4
9·5	25·4	58·8		9·1
9·0	30·6	13·3	Cal	8·5
9·6	55·6	4·8	a	9·3
8·6	52 3·6	26·0	C	9·0
9·6	4·9	24·5		10·
9·6	12·6	23·3		9·4
9·6	33·6	8·2		9·4
10·2	37·1	15·1		
8·8	38·9	25·0	a	9·1
9·8	42·6	42·9		
10·2	44·8	54·1		
9·4	47·9	53·7		9·2
9·8	51·3	53·4		
8·7	54·9	38·8		8·7
10·2	58·3	42·8		
10·0	53 2·2	37·8		
9·6	6·5	0·9		9·5
10·2	18·0	56·7		
10·1	54 2·3	52·1		
9·5	2·3	7·0		9·5
9·8	39·3	53·4		9·6
8·7	54·3	57·7	C	8·7
8·1	55 1·6	46·9	C	8·9
10·2	2·8	7·9		
10·2	8·9	32·6		
9·1	11·1	44·3		9·4
9·4	15·6	3·8		9·1
10·1	16·1	56·4		
9·6	21·6	52·3		9·5
9·6	22·1	19·0		
9·6	23·1	48·2		9·6
10·2	35·8	38·1		
9·6	36·1	20·1		9·8
10·1	45·6	37·3		
9·6	56 12·1	52·0		9·5
9·9	57 11·1	9·1		10·
10·2	17·4	17·7		
10·0	21·9	8·4	}	9·8
25pr.	+1 24·9	−6·1		

5701—5760.

mag.	14^h–15^h m s	−19° ′		
10·2	57 21·9	8·7	}	
10·1	34·2	32·9		9·6
9·8	41·9	49·2		9·6
9·6	46·4	10·1		9·7
9·8	49·2	13·1		10·
10·2	58 5·1	18·6		
8·5	11·6	6·9	Ca	8·8
9·4	17·7	19·0		9·5
9·5	30·4	37·8	a	9·2
7·8	40·2	55·6	Ca	8·2
10·0	55·4	51·6		9·5
9·6	59 3·2	43·4		9·8
9·6	22·2	50·4		9·8
10·2	29·0	2·0		
9·6	31·6	29·3	b	9·4
8·5	38·2	43·1	Cb	8·6
10·0	39·6	46·6		
10·1	48·6	23·2		
8·9	0 1·5	19·9		9·1
9·6	1·5	49·9		10·
8·9	9·8	44·3	Ca	8·5
10·2	15·5	28·4		
10·2	34·4	25·4		
10·0	36·0	39·2		
9·6	36·6	34·3	a	9·4
9·6	36·7	38·3		9·8
10·1	47·1	9·7		
9·9	56·3	50·2		
9·5	1 10·3	22·0	a	9·1
9·6	12·3	28·1		9·5
8·8	18·8	2·0		9·1
10·2	37·3	6·1		
9·8	47·6	43·4		9·5
8·6	52·3	55·4	C	9·0
9·6	2 4·6	17·5	a	9·5
10·2	8·3	47·5		
10·1	15·3	2·7		
10·2	17·7	28·4		
9·9	25·3	35·5		
10·1	28·3	57·8		10·
10·0	37·3	25·8		
10·1	45·2	57·5		9·9
9·8	51·7	22·4		
9·6	58·3	23·9	a	9·4
10·2	3 7·6	38·8		9·5
10·2	7·6	36·9		
9·2	12·4	42·2		9·2
10·2	16·8	1·7		
10·2	26·6	0·2		
10·2	43·4	33·0		10·
10·0	44·8	42·0		10·
10·1	50·8	27·3		
9·6	4 3·6	22·5		9·5
9·6	8·4	21·9		9·8
9·9	14·1	0·1		
9·8	56·6	7·0		
9·6	5 1·0	50·7		9·4
4·5	6·8	18·8	GSπμβ	4·5
9·6	9·8	19·2		9·0
10·2	14·8	50·5		
	+1 25·2	−5·9		

5761—5820.

mag.	15^h m s	−19° ′		
9·2	5 26·2	34·2		9·5
9·6	31·7	20·8		9·2
8·8	48·2	38·9		9·0
9·8	51·6	58·1		9·5
8·3	6 8·7	46·8	Ca	8·5
6·6	11·7	10·5	GWπμβ	6·5
10·2	29·4	58·4		
9·6	35·7	9·9		10·
8·7	51·7	44·6	a	9·0
9·8	7 5·5	54·4		9·8
9·8	13·5	46·3		
9·5	21·3	7·1		
10·2	29·5	48·2		
10·0	50·7	55·5		
9·8	56·0	5·5		
10·0	58·5	16·6		
9·8	8 12·5	32·2		10·
10·2	19·2	35·4		
8·7	20·6	45·0	Ca	8·7
8·1	40·9	4·8	Ca	8·7
10·0	49·5	52·1		
9·9	53·0	9·2		
9·2	58·2	57·8	a	9·0
10·2	9 21·0	0·8		
8·2	36·0	32·1	Ca	8·5
9·2	10 6·5	8·6		9·4
9·5	43·5	56·0		9·2
8·6	57·0	2·5		9·1
10·0	11 20·5	19·3		9·5
9·2	21·5	0·8		9·1
9·2	36·3	49·0		9·5
9·0	50·3	12·2		9·2
9·2	51·8	40·2		9·1
8·7	53·3	22·2		9·0
9·0	12 16·8	1·8		9·4
9·0	17·3	29·8	a	9·0
7·1	42·3	5·6	GCal	7·3
10·2	43·8	21·2		10·
10·2	13 14·8	22·9		9·8
9·0	14 12·8	56·0	G	var.
9·6	13·5	26·0		9·8
10·2	45·3	46·6		9·8
10·2	57·8	19·8		9·7
9·5	15 5·8	36·1		9·2
9·2	21·3	3·1	C	9·0
9·2	33·3	33·8		9·5
10·2	37·5	1·0		
8·6	16 2·3	20·2	C	8·3
10·2	9·3	45·0		9·8
8·8	11·3	17·0		9·2
8·6	32·3	18·2	C	8·9
9·8	42·8	31·6		
9·5	17 9·3	17·0	a	9·4
10·2	11·5	50·6		9·5
8·3	20·3	31·0	Cal	8·2
10·0	18 5·8	20·8		9·5
10·2	56·1	27·3		10·
9·8	19 3·9	33·1		10·
7·6	39·9	33·9	GCal	6·5
10·2	41·9	20·2		10·
	+1 25·6	−5·6		

5821—5880.

mag.	15^h m s	−19° ′		
8·4	20 34·9	11·9	a	9·0
10·1	38·4	44·8		9·5
9·6	46·4	27·2	Ca	9·2
9·1	21 31·4	26·9		:9·3
10·1	34·4	42·3		9·5
8·3	43·4	46·3	Ca	8·6
10·2	22 0·4	7·0		9·5
9·0	48·4	30·2	a	9·2
9·2	49·9	32·2	a	9·2
10·0	23 51·6	50·0		9·5
9·5	24 6·6	47·4		9·5
10·1	19·6	36·9		9·1
6·5	32·6	44·1	Gctπμ	6·7
9·2	37·1	15·8		9·0
10·1	39·1	14·1		
8·8	55·1	28·0		9·0
10·2	25 5·1	20·1		10·
9·4	13·6	45·2	a	9·3
8·8	23·1	34·8	a	8·7
6·0	26·1	14·6	GWlπμ	5·5
9·8	49·6	32·7		9·8
9·4	57·6	28·5	a	9·1
9·6	59·6	19·2		9·8
9·4	26 14·6	49·2		9·0
9·0	17·8	37·9	b	9·0
10·2	28·3	36·7		10·
9·2	42·3	12·7		9·3
10·2	47·8	28·7		9·7
8·4	48·8	9·3	a	9·1
10·2	27 1·8	54·9		9·6
10·2	27·3	13·1		9·6
9·2	52·5	36·6	a	9·3
9·6	59·3	37·5		9·8
9·0	28 5·3	6·9	a	9·2
9·2	22·0	12·5	a	9·4
10·2	43·8	37·5		
10·0	29 0·3	5·3		10·
9·6	1·5	19·7		9·8
9·8	1·8	36·9		
9·6	4·9	57·9		9·4
10·0	12·8	27·4		
9·4	23·5	23·9	a	9·3
10·0	31·4	56·9		
9·6	38·2	56·0	a	9·4
8·5	30 33·7	0·6	a	9·0
8·4	31 5·2	56·1	Ca	8·5
6·8	14·7	29·8	GCal	7·0
9·0	18·2	22·0	a	9·0
8·5	30·2	44·7	C	8·3
7·3	48·2	19·2	GCal	7·9
9·5	53·7	55·2		9·5
10·0	57·4	18·0		9·4
9·2	32 18·9	47·4		9·1
8·4	28·9	43·3	C	8·9
7·9	37·4	18·3	Cal	8·6
6·9	42·9	21·5	GCal	7·6
9·0	33 36·9	28·1	a	9·2
9·0	34 2·4	18·1		9·3
9·6	3·4	48·8		
9·2	13·9	50·1		9·3
	+1 26·1	−5·2		

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5881—5940.

mag.	15ʰ. m	s	—19° ′		
7·7	34	44·4	3·3	GCal	8·2
6·6		44·9	16·3	GSπuβ	5·3
8·4	35	8·9	5·1	al	8·7
8·4		12·4	27·7	a	9·0
10·0		15·9	9·1		9·5
10·0		23·4	34·0		10·
9·2		37·4	50·6	C	9·0
9·3		51·4	16·9		9·7
9·5		53·9	6·1	a	9·5
10·0		55·2	33·4		
9·0		56·7	56·7		9·3
10·0	36	36·4	55·5		9·6
10·0		36·4	34·1		
9·7		41·9	55·1		9·6
9·0		59·6	23·4	Ca	8·8
8·4	37	8·1	18·8	Ca	8·8
9·6		32·6	39·4	a	9·3
10·0	38	29·6	18·8		9·7
9·7		51·1	9·9	a	9·5
9·4	39	22·1	13·6	a	8·9
10·0		34·6	46·0		9·4
9·4	40	9·1	32·6		9·4
9·2		36·6	18·8	CWa	8·8
9·2		41·6	28·0	a	9·2
9·5	41	6·1	37·8		9·8
10·0		12·6	23·2	a	9·5
10·0		13·6	27·8		
9·0		25·9	46·3	b	9·2
9·0		35·4	1·7	CWa	9·2
9·5		47·4	25·8	Wa	8·7
8·0	42	6·4	54·0	Ca	8·0
9·5		14·4	13·7		9·8
9·0		52·9	32·7	a	9·3
9·6	43	17·4	32·4		9·3
10·0		22·4	40·9		9·4
8·3		50·9	37·5	a	8·9
9·2	44	16·9	17·2		9·4
10·0		41·9	38·3		9·8
9·2	45	32·6	55·2	a	9·1
5·0	46	4·6	47·3	GWπμβ	5·4
8·8		7·1	1·3		8·9
8·6		36·8	56·5	Ca	8·7
10·0	47	7·7	1·1	a	9·5
9·7		10·2	6·4		9·7
9·6		46·1	53·0	a	8·9
6·0		46·9	0·7	GWπμβ	6·3
10·0	48	4·6	48·9		9·7
10·0		21·7	14·5	a	9·4
10·0		44·6	7·7		9·7
9·2	51	32·2	10·9	C	8·3
8·4		52·2	34·3	Wbl	8·7
8·0		53·2	34·5	CWbl	8·6
10·2	52	46·2	45·5		9·3
10·0	53	17·7	31·6		9·3
9·6	54	50·2	25·5		8·8
8·4	55	0·7	6·0	Cal	8·2
9·0		45·5	38·9	a	8·9
7·4		52·0	29·4	GWal	7·5
8·4	56	29·0	13·7	Cbl	8·0
10·2		33·0	10·3		9·0
25pr.	+ 1	26·6	—4·7		

5941—6000.

mag.	15ʰ.–16ʰ. m	s	—19° ′		
7·6	56	45·0	25·1	GCal	8·0
9·0	57	34·0	18·3	a	9·0
8·8		34·8	57·7	—	8·5
10·2		40·5	5·3		9·0
3·0	58	10·0	27·5	GSπμβ	2·
7·9		29·5	20·3	GWtlπ	8·0
8·6		58·0	2·3	a	8·7
8·4	59	0·5	26·3	a	8·9
9·4		18·0	53·6	a	9·4
9·8		47·5	6·5		9·4
9·0	0	34·0	39·1	Ca	8·6
9·8	1	12·5	19·7		9·4
10·2	2	4·1	8·1		
8·0		5·6	7·4	Gatlπ	8·2
9·6		7·6	21·7		9·6
9·4	3	26·1	3·8	a	8·9
8·9		36·6	40·9	Ca	8·7
10·2	4	22·5	47·5	K	9·7
10·2		40·1	51·0		9·8
4·4		44·1	7·9	GSπμβ	4·5
7·4	5	5·3	15·1	Cal	8·4
7·4		28·3	10·6	Gatlπ	7·5
9·4	6	56·8	20·2		9·1
10·2		57·1	1·0		9·2
9·0	7	22·2	54·9	Ca	8·8
9·4		42·2	43·7		9·4
9·6		44·2	49·4		9·2
9·4	8	10·2	55·3	a	9·1
7·6		33·0	45·5	Cal	7·5
7·4	9	40·8	47·4	Gctlπ	6·5
10·0	11	1·5	8·3		9·5
9·8		1·5	47·0		9·5
9·0		19·5	28·4		9·0
9·3		29·5	40·0		9·5
10·0		32·0	11·0		9·4
9·2		32·5	22·2		9·2
7·4		49·0	54·7	Gctlπ	6·0
7·9	12	45·5	44·3	Gatlπ	8·5
7·8		46·7	45·0	Gatlπ	7·7
7·1	13	11·7	48·6	Gatlπ	7·3
8·4		51·2	38·1	GCal	8·6
10·0	14	40·7	57·0		9·6
9·6		43·2	4·2		9·5
5·8	16	47·2	44·5	GWπμβ	5·0
8·4	18	8·2	32·8	Ca	8·5
9·8	21	21·1	1·3		9·3
8·9	25	13·6	48·1		8·8
9·2		22·1	19·2	CK—	8·8
9·3		36·1	28·6	K	9·2
9·2	26	2·9	58·7		9·1
9·0	27	27·4	40·7	Ca	8·4
9·3		37·4	52·1	b	9·0
9·2		40·4	24·4		9·1
9·3		49·5	55·7		9·1
10·0	28	14·8	4·1		9·7
9·0		16·0	59·8	Ca	8·7
9·3		30·8	47·4		9·3
8·9	29	14·2	53·5		8·8
8·5		14·5	1·1	Ca	8·5
8·9		21·0	20·5	C—	8·7
	+ 1	27·3	—3·9		

6001—6060.

mag.	16ʰ. m	s	—19° ′		
9·9	29	42·0	6·6		9·5
9·2	31	10·2	16·1		9·2
9·9		20·7	28·7		9·3
9·4	33	9·7	36·3	b	8·8
9·9		12·9	12·6		8·9
6·8	34	32·9	40·8	GWπμβ	6·0
8·1		54·9	49·0	al	8·5
8·2		55·9	56·7	Cal	8·5
8·1	35	2·9	55·1	Cal	8·3
9·2		29·9	40·6		9·3
9·6	36	11·9	59·2		9·0
9·9		11·9	1·3		9·4
9·6		35·9	44·7		9·5
9·8		59·4	49·9		9·6
8·9	37	3·9	36·7	Ca	8·3
9·4	38	39·9	31·5		9·4
9·9		55·4	43·3		
9·9	39	19·4	45·1		9·5
9·2		27·4	47·0		9·1
8·1		35·4	52·1	Wal	7·6
9·2	40	18·9	54·9		9·3
8·5		25·9	38·9	CWb—l	8·5
9·0		46·5	8·8		9·0
9·9		55·5	20·9		9·5
8·3	41	14·0	3·1	Cal	8·0
8·8		25·5	50·3	Ca—l	8·5
8·4		41·5	22·8	Cb	8·7
9·2		43·0	14·3	C—	8·8
9·0		56·0	2·1	Cbl	8·3
9·2	42	13·0	58·8		9·3
9·9		24·0	13·4		9·4
9·8	43	19·0	25·4		9·5
9·8		26·0	54·0		
9·8		29·0	44·6		
9·9		33·5	41·8		
8·2		35·0	37·1	CWal	8·3
9·2		42·5	16·1		9·4
9·2		51·5	33·0		9·2
9·8	44	11·0	23·0		9·8
9·8		42·5	12·9		9·4
9·6		49·5	33·8		
8·0	45	2·0	8·6	CWal	7·8
9·0		13·5	7·9		9·4
8·8		14·0	29·5		9·0
9·9		14·5	33·8		
8·4		33·5	58·3	Ca	8·6
9·4		35·4	25·9		9·4
9·6		55·4	16·6		9·5
9·2		58·9	17·9		9·4
8·4	46	23·4	11·9		9·0
7·8		35·4	6·3	CWa	8·3
8·6		58·9	9·6	a	9·0
9·9	47	55·4	2·9		
8·3		58·2	14·2	Ca	8·7
9·6		59·2	25·8		
8·2	48	3·4	19·0	Ca	8·7
9·2		17·4	54·0	C—	8·7
9·6		22·4	9·0		9·5
9·6		23·6	31·0		9·5
9·9		33·4	23·2		
	+ 1	27·9	—2·8		

6061—6120.

mag.	16ʰ–17ʰ m	s	—19° ′		
6·8	49	43·7	20·3	GWlπμ	6·9
9·2		52·7	22·8		9·1
9·6	50	6·4	41·2	a	9·1
8·8		32·9	35·6	Cb	8·3
8·6		53·9	2·0		9·0
9·6		56·9	28·7		9·4
8·6	51	17·9	12·5	C	8·8
9·2		23·4	56·3		9·1
9·4		33·4	24·8		9·3
9·1		56·4	14·0	C—	9·1
9·0		56·9	17·7		9·5
9·2	52	1·4	47·8	a	9·4
10·2		2·9	56·0		9·8
10·2		40·4	29·9		9·5
10·2		55·9	15·1		9·4
10·2	53	7·5	16·8		
9·8		22·8	7·8		
9·6		54·5	59·8		9·4
9·6	54	8·0	36·3		9·4
9·4		22·5	23·4		9·4
9·6		28·0	31·8		
8·8		43·5	1·6	b	9·0
9·4		47·0	3·3		9·8
10·2	55	32·5	32·1		
.9·6		52·0	36·0		9·8
8·5		56·0	57·6	MCbm	8·2
8·2		58·5	18·5	CWal	8·0
8·2	56	4·5	54·3	Cb	8·4
10·2		9·8	15·4		9·7
8·2		16·0	16·8	b	8·9
10·2		21·8	31·9		
9·6		34·0	44·8		
9·2		37·0	55·0		9·2
9·6		39·5	20·8		9·7
9·2		45·8	3·5		9·3
9·0	57	2·0	33·4		9·3
9·4		12·0	29·4		9·4
9·2		36·5	17·1		9·4
10·2		40·0	10·8		9·7
9·6		40·0	0·8		
10·2		52·5	36·0		9·5
10·2		53·5	32·9		
9·0	58	15·0	11·8		9·2
9·2		26·0	15·8		9·5
10·2		35·5	35·8		
8·7		41·5	36·8	—	9·0
9·0	59	11·2	32·9		9·2
9·6		32·7	20·2		9·2
8·2		33·7	46·5	Ca	8·5
9·6		33·7	49·1		
10·0		34·2	18·3		9·7
8·6		45·7	19·9	C—	8·8
9·2		50·2	26·4		
8·8	0	3·2	4·4		9·2
8·8		5·2	5·7	—m	9·2
8·2		6·2	7·2	Kbl	8·0
8·6		24·2	2·4	Cbml	8·3
10·2		32·2	2·3		
9·6		33·2	27·4		
10·0		46·1	11·1		
	+ 1	28·2	—2·3		

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6121—6180.

mag.	17h. m	s	—19° ′		
10.2	0	51.4	49.1		9.5
9.6		51.9	36.5		9.4
8.6		54.4	38.0	a	9.0
10.2		54.9	37.3		
9.6		56.4	49.4		
10.2	1	2.1	24.0		9.8
9.0		3.9	14.4		9.2
10.2		12.9	12.2		9.7
10.2		26.4	43.0		
8.6		31.4	30.7	a	9.1
8.2		46.4	31.0	Ca	8.7
10.2		46.9	4.2		9.7
10.2		55.4	56.3		
10.2	2	5.4	52.0		9.8
9.5		13.9	24.8		9.4
9.2		14.9	41.8		9.2
10.2		25.9	29.1		9.4
10.0		26.1	51.0		
9.2		50.9	41.1		9.2
6.8		53.9	16.5	Gctlπ	7.0
8.8	3	1.4	53.4		8.9
8.8		3.4	21.1	a	8.8
9.0		27.4	25.6		9.4
9.4		28.9	24.6		9.8
9.4		30.2	59.4		9.2
9.5		31.9	48.4		9.5
10.2		46.9	27.1		9.5
9.6		48.9	22.2		9.4
10.0	4	13.4	46.1		
10.2		21.9	29.1		9.8
10.2		39.4	4.8		
10.2		50.9	3.4		
10.2	5	1.9	47.3		
9.2		5.4	37.7	a	9.1
9.4		41.9	1.7		8.9
9.4		49.9	5.7		
9.4	6	5.4	46.7		9.0
10.0		17.1	15.1		9.4
9.2		18.4	24.0	b	9.3
9.6		18.9	39.8		
10.2		33.4	55.4		9.5
10.0		36.9	33.3		9.8
8.8		46.9	7.2		8.8
9.4	7	5.4	11.7		9.4
9.1		17.5	9.7		9.3
9.5		21.5	0.7		9.7
9.6		22.0	16.1		
8.6		30.7	42.9	C	8.5
8.7		38.5	23.7		9.0
9.5		41.0	42.3		9.3
10.0		55.5	14.9		9.5
10.2	8	2.0	5.3		9.4
9.6		2.3	4.5		
10.2		13.5	54.3		9.8
10.0		48.5	35.9		9.8
10.0		51.5	6.7		
10.2	9	1.5	52.5		
8.2		7.0	11.8	Cal	7.9
9.8		10.0	29.4		
9.4	10	9.6	1.0		9.5
25pr.	+1	28.3	−2.0		

6181—6240.

mag.	17h. m	s	—19° ′		
9.8	10	17.9	58.0		9.2
9.8		28.6	31.6		9.5
9.5		41.6	49.1		9.2
9.8		58.1	43.0		9.5
9.8	11	5.1	39.8		9.4
8.8		8.1	50.4		9.4
8.7		29.1	7.0	–	8.8
9.7		30.4	57.4		9.3
9.7		32.9	46.7		9.5
9.3		56.6	25.4	C	9.0
9.7	12	8.6	20.3		9.1
9.8		15.3	14.6		10.
9.8		16.8	20.0		9.6
8.8		29.3	32.7		9.1
7.7		33.8	34.3	Cbl	8.0
9.2		36.8	40.6		9.3
7.8		37.8	50.9	Caml	7.9
7.2	13	13.8	12.0	Gkaml	6.5
9.8		22.8	29.8		
9.8	14	9.3	47.8		
9.4		14.8	32.9		9.5
9.6		17.3	21.0		9.6
9.8		20.3	21.4		9.6
9.2		43.0	57.0		9.0
9.6		48.8	23.4		9.2
9.0	15	10.3	56.7		9.5
7.9		11.6	29.2	Ckbm	7.9
8.0		54.3	19.6	Gatlπ	7.8
9.8	17	14.8	50.0		9.8
9.8		33.3	6.7		
9.0		37.3	57.3		9.2
8.7		46.1	59.4	Ca	8.5
9.7	18	1.8	52.1		9.4
8.0		5.8	37.4	Ckal	8.0
9.8		17.3	44.7		
9.6		24.3	44.1		9.6
8.4		26.6	10.8	Ca	8.6
8.8		26.6	8.2		9.1
9.0		29.1	51.9		9.4
8.8		31.1	52.7		9.2
8.6	19	2.1	24.1	Ca	} 8.7
9.7		2.1	24.5		}
9.8		21.3	7.4		9.5
8.8		24.1	52.6	a	9.1
8.9	20	21.6	6.8	Ca	8.5
9.0		30.1	10.6		9.3
9.2		43.1	51.9		9.2
8.4	23	16.1	27.3	Cam	8.0
9.8		16.1	33.2		9.5
8.2		20.1	0.9	a	8.0
9.3		43.6	43.8		9.2
8.6	25	52.6	16.9		8.6
9.2	26	2.1	54.1		9.3
9.8		15.1	3.0		9.0
9.7		21.1	49.6	b	8.9
9.7		30.1	24.5		9.5
9.8		45.1	28.2		9.6
8.3		47.4	5.2	MC–m	8.0
9.2	27	6.6	7.9		9.0
9.8	28	6.6	17.1		9.8
	+1	28.5	−1.5		

6241—6300.

mag.	17h. m	s	—19° ′		
8.3	28	9.4	48.6	Ca	8.0
9.2		55.6	27.0		9.2
8.2	29	12.2	59.7	C–	8.1
9.8		15.6	49.9		9.4
9.8		19.6	56.2		9.5
9.5		34.7	44.6		9.4
9.4		38.0	15.5		9.5
9.0	30	6.8	58.6	a	9.1
9.4		37.3	18.6		9.2
9.4		44.3	54.0	Cal	8.9
9.4	31	0.3	0.0		9.3
9.8		17.3	46.2		9.6
8.2		27.8	27.8	Caml	8.3
9.4	33	32.8	54.3	C	8.3
9.9		34.3	59.2		9.5
9.2		43.8	27.7		9.0
8.4		54.8	23.2	CWa	8.0
9.6	34	19.8	57.7		9.4
9.4		24.8	11.6		8.9
9.9		38.3	14.6		9.2
8.3	35	1.3	20.2	CWa	8.5
8.8		17.3	50.6	Mm	9.1
9.6		35.8	30.9		9.6
8.6		46.3	26.6	Wa	8.6
9.2	36	20.3	34.0		9.0
9.2		57.3	49.7		9.4
9.4	37	7.3	46.3		9.5
9.9		42.3	54.3		9.5
9.6	38	46.3	46.6		9.4
9.2	39	17.3	56.8		9.0
8.8	40	52.3	6.5		8.8
9.9	41	0.3	35.2		9.0
9.0		16.8	44.0	MCkam	8.3
9.8	42	10.3	58.3		10.
7.2		10.8	57.8	Cbl	7.4
8.8		27.3	51.8	Mam	8.5
9.7		57.8	0.4		9.5
9.8	43	0.3	17.9		9.4
9.4	44	13.3	59.7		9.3
8.1		20.3	44.2	Gktlπ	8.0
7.1		25.3	29.1	Gctlπ	6.8
9.0		50.8	45.1	–	9.0
7.4		57.3	5.2	GWtπμ	6.7
8.8	45	16.3	20.7	C	8.7
9.9		50.8	2.0		9.1
7.8	46	22.2	51.3	Gktlπ	7.0
9.9		57.7	25.2	C	8.8
9.8	47	11.2	9.9		9.5
9.7		12.0	30.3		9.5
9.8		16.0	22.1		9.5
9.8		22.7	7.8		9.8
10.4		28.8	44.6		
9.7		33.1	51.8		9.3
9.2		36.6	35.9		9.4
10.0		40.3	8.5		
10.5		52.8	19.1		
9.7		54.4	18.2		9.4
9.0		57.4	15.9	C–	8.9
8.9	48	1.9	17.9		9.2
10.2		4.8	12.1		
	+1	28.6	−0.7		

6301—6360.

mag.	17h. m	s	—19° ′		
10.3	48	9.3	7.2		
10.5		12.3	8.3		
9.1		16.6	47.7	a	9.0
9.6		18.4	4.0		9.4
10.1		21.2	24.5		9.5
10.0		33.6	53.4		
10.5		35.8	17.6		
10.5		37.8	6.4		
10.5		42.3	2.0		
9.2		42.6	20.8		9.3
9.1		47.9	48.0		9.2
9.3		48.6	33.3		9.3
8.8		50.9	2.1		9.0
9.7		53.1	0.4		9.6
10.3		56.8	0.3		
10.1	49	0.8	7.6		9.3
9.9		4.1	1.3		10.
10.1		6.3	13.1		
9.7		6.6	7.3		
9.9		8.5	44.3		9.8
9.6		12.4	3.7	:	9.5
10.5		15.3	44.3		
9.4		15.9	4.2		9.6
9.9		19.1	7.3		9.4
10.5		21.2	13.2		
9.4		22.1	1.4		9.7
10.4		22.8	6.6		
9.2		22.9	2.5		9.3
10.4		24.3	2.1		
9.0		29.3	3.4		9.4
8 2		32.3	18.7	Ca	8.4
9.6		33.5	4.2		9.7
9.4		34.8	1.0		9.7
9.6		35.7	1.9		
9.9		35.8	8.0		
10.0		36.5	38.9		
9.6		39.8	2.3		9.8
9.7		40.3	4.3		10.
9.0		45.8	1.9	K	9.3
9.2		46.0	4.3		9.3
9.1		46.0	0.0		9.7
10.5		47.5	19.9		
10.1		49.0	0.3		
10.3		49.5	8.3		
10.1		53.0	10.0		
10.0		54.5	29.0		
10.1		55.0	58.2		
10.1	50	2.0	1.8		9.8
8.4		3.0	55.7	C–	8.3
10.2		4.0	44.1		
10.2		5.5	3.0		10.
9.1		10.3	52.1	C–	8.6
10.4		13.5	0.0		9.8
8.9		16.0	7.2		9.0
8.6		22.0	25.8	C–	8.8
10.4		25.0	1.3		
9.8		34.0	19.8		
9.3		48.5	15.1		8.8
9.3		55.6	12.8	C	8.8
10.3	51	3.6	28.5		
	+1	28.6	−0.4		

6361—6420.

mag.	17h. m s	—19° ′		
10·0	51 3·6	37·3		9·9
10·2	12·6	28·1		
9·8	18·4	58·9		9·3
10·0	22·6	1·4		9·5
9·3	36·1	33·8		9·2
10·5	37·8	27·0		
9·0	52·6	31·4	C	8·5
10·0	52 3·1	41·3		9·5
10·1	6·6	18·0		
10·4	22·6	49·6		9·4
10·3	36·6	7·3		
10·2	39·6	54·6		
9·6	52·6	44·0		9·3
8·8	53 2·6	13·2	Cbl	7·8
10·5	3·6	22·3		9·1
10·5	8·1	19·0		
10·4	9·6	43·7		9·1
10·5	13·1	50·2		
9·4	17·1	42·0	–	8·5
9·8	18·1	41·3		
10·5	23·1	2·3		
9·3	23·8	56·5		9·3
10·1	25·1	15·7		
8·8	25·6	53·9	a	9·0
10·4	25·8	36·9		
8·8	39·6	51·9	Ca	8·3
8·5	42·1	57·4	Ca	7·8
8·9	46·6	41·1		9·0
10·1	48·1	24·3		
9·0	49·1	50·9		9·1
9·6	54 16·1	21·9		9·3
9·9	29·6	37·0		
7·5	31·1	6·0	Gktlr	7·0
10·0	32·6	35·8		9·5
9·6	32·6	40·6		9·0
10·3	33·6	31·2		
9·6	45·6	47·7		9·4
9·0	55·6	36·1		9·1
10·2	55·6	2·4		
9·9	55 8·1	15·3		9·7
9·9	22·6	43·5		9·5
10·4	39·5	45·2		
10·0	53·6	4·9		9·9
10·5	54·6	47·0		
10·4	58·6	19·1		
10·3	56 1·1	15·5		10·
10·2	3·1	13·5		10·
10·0	5·6	51·0		10·
10·2	11·1	56·2		10·
10·2	17·1	32·8		9·5
10·5	25·6	8·9		
10·5	28·6	25·9		9·3
9·4	29·6	13·1		9·0
10·4	33·1	34·8		9·4
9·4	35·6	43·3		9·1
8·0	37·6	27·4	Gatlr	8·0
9·6	38·6	37·2		9·0
8·2	41·1	48·5	Cb=l	8·0
9·8	43·6	26·1		9·3
10·1	45·6	24·3		10·
25pr.	+1 28·6	−0·2		

6421—6480.

mag.	17h.–18h. m s	—19° ′		
9·8	56 52·1	41·9		9·5
10·5	57 4·6	48·7		
9·4	15·6	36·4		:9·1
10·3	19·3	58·3		
10·5	21·1	3·3		9·5
9·7	25·1	34·5		9·7
8·4	25·6	2·7	a	8·5
9·8	28·1	46·9		
10·5	31·1	55·9		
10·3	41·1	57·0		
10·5	41·6	25·3		
9·2	46·6	22·3		9·0
8·8	48·4	35·3	Ca	8·8
10·5	56·4	33·1		
9·8	59·7	59·6		9·5
7·2	58 9·4	45·5	Cal	6·9
10·0	13·7	58·4		9·1
10·0	18·9	33·4		
8·4	32·4	42·9	Cal	8·3
8·5	32·4	28·0	Ca	8·0
10·4	33·2	51·6		
8·4	33·7	57·6	a	8·8
9·4	43·9	57·3		9·0
10·5	48·9	50·5		
10·0	52·4	40·9		
8·4	54·4	33·9	a	9·0
10·5	56·2	58·7		
9·8	59·9	19·9		
8·8	59 9·4	4·6	a	8·8
9·2	9·9	14·0		9·2
9·8	12·4	57·5		
10·1	26·4	49·6		
8·9	33·4	23·3	Ga	9·0
9·6	43·4	40·3		9·5
9·4	48·4	51·3		9·4
9·0	51·4	18·0	G	9·1
10·5	52·4	49·8		
9·7	0 2·4	15·3		9·8
10·5	10·4	18·3	G	9·3
10·3	14·5	56·6		
10·1	16·9	13·6	}	9·7
10·0	17·4	13·9	}	
10·5	17·9	49·0		9·6
10·3	23·4	5·0		
10·0	23·9	9·7		
9·7	28·4	49·7		
9·4	31·4	22·1	G	9·7
9·7	32·3	20·1	G	9·5
9·2	33·3	24·6	G	9·6
10·0	40·3	32·8		
10·0	42·3	9·0		9·5
10·3	51·8	6·8		
9·7	54·8	23·6		
10·5	1 0·8	37·1		
9·9	1·3	42·0		9·5
8·8	1·7	57·6		9·0
10·3	2·3	12·4		
8·4	2·3	53·0	C=	8·4
10·2	2·3	9·4		
9·6	6·3	11·6		
	+1 28·6	0·0		

6481—6540.

mag.	18h. m s	—19° ′		
9·6	1 9·8	3·6		9·5
9·0	16·8	24·0	G	9·7
10·3	19·3	36·9		
10·1	21·3	5·2		
10·5	25·3	5·7		
10·5	26·3	10·4		
10·1	27·3	8·7		
10·0	32·8	26·2		
10·4	35·3	39·1		
9·7	36·3	37·3		9·5
9·8	38·3	13·4		9·5
7·9	40·8	53·5	Cb=l	8·2
10·4	41·3	56·2		
8·4	43·3	52·9	–	8·6
8·7	44·3	54·4		9·0
10·4	45·3	14·4		
8·7	52·8	44·4		9·0
9·8	53·3	28·2		
8·8	58·3	12·2	G	9·1
10·1	2 2·3	47·6		
9·6	4·3	13·6		9·5
9·0	9·2	8·1		9·3
9·3	11·2	4·4		9·6
8·2	13·2	22·4	GCWa	8·4
9·7	14·7	13·0		9·8
9·8	20·7	9·8		9·2
9·2	21·2	19·8	G	9·5
10·4	23·2	0·6		
9·0	24·7	38·8		9·4
10·4	30·2	59·2		
9·9	31·2	5·2	}	9·4
9·7	31·2	5·6	}	
9·4	32·2	18·8	G	
10·2	32·2	28·6		
9·9	36·2	0·8		9·8
10·5	36·2	3·6		
10·5	41·7	30·2		
10·5	43·2	42·4		
9·3	44·7	12·0		9·6
9·9	45·2	7·7		
10·5	47·2	24·4		
10·4	53·7	5·4		
10·4	55·2	15·2		
10·5	59·2	12·8		9·6
10·4	3 1·5	58·1		
10·2	2·7	21·5		
10·2	5·2	23·3		
9·6	5·2	50·4		9·5
9·3	12·2	16·0		
9·6	13·2	4·9		
8·8	15·7	19·2	Ga	9·1
8·5	15·7	11·3	GC	8·8
10·3	22·2	45·6		
10·5	32·2	19·2		
9·8	36·2	35·3		
10·5	36·7	26·2		
10·4	37·7	32·6		
9·0	38·7	35·2		9·2
10·5	41·7	26·7		
10·5	43·0	56·2		
	+1 28·6	+0·1		

6541—6600.

mag.	18h. m s	—19° ′		
9·7	3 45·0	23·3		
10·3	46·0	9·6		
9·2	49·0	56·4		9·5
6·5	51·0	51·9	Gb=cl	6·7
9·2	52·0	42·4		9·5
10·1	52·4	58·2		
10·1	56·0	21·4		
9·0	56·0	27·6	C	8·7
10·4	56·0	23·0		
9·9	4 0·5	22·5		
9·7	2·0	13·9	G	9·4
9·9	2·0	56·1		
10·1	6·0	21·0		9·4
9·8	8·5	20·0		
9·9	10·0	32·0		9·8
10·5	13·5	31·0	–	
10·5	15·0	22·3		
10·1	19·0	46·4		
10·0	21·0	14·0		
8·6	24·5	4·2	G	9·0
9·2	25·5	45·0		9·4
10·5	28·0	52·4		
8·7	32·0	5·1	G	9·0
10·3	49·5	37·0		
10·1	51·0	10·7		
10·3	52·0	9·4		
7·6	52·0	27·4	GWal	7·3
9·6	53·5	28·6		
10·3	54·5	33·2		
9·8	55·0	10·4		
9·9	55·5	43·5		
9·9	56·0	18·3		
9·7	59·0	30·2		
10·1	5 1·4	30·1		
9·6	1·4	18·1		9·5
10·2	3·4	18·4		
10·5	6·4	12·0		
10·5	6·9	10·2		
10·2	9·2	3·1		
9·9	10·4	20·1		
10·5	11·4	9·4		
9·6	14·4	18·6		9·3
9·8	14·4	5·8		
9·8	15·9	1·7		
9·7	17·4	26·4	a	9·3
10·2	22·9	28·0		
10·4	24·4	2·3		
10·3	24·9	21·7		
10·0	25·9	41·3		
9·6	25·9	28·4		9·5
10·5	28·9	40·2		
8·3	31·9	46·4	Ca	8·7
10·4	32·4	34·2		
9·9	32·9	32·6		
10·1	36·9	4·0		
9·3	39·4	15·8	Ga	9·5
10·4	41·4	18·4		
9·9	45·9	42·0		9·8
10·1	47·4	1·1		
9·7	51·4	14·6		
	+1 28·6	+0·2		

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6601—6660.

mag.	18h. m s	—19° ′		
9·6	5 52·4	4·1	*G*	
9·6	55·4	14·2		
9·6	56·9	50·0		
9·7	59·4	30·4		
9·2	6 0·4	24·4	*G*	9·6
9·2	2·9	47·2		9·4
10·5	8·9	55·2		
9·8	9·9	16·9		
8·8	11·9	19·3	*G*a	9·2
10·1	12·4	7·1		
9·3	20·4	51·1		9·4
9·9	21·4	16·3	*G*	9·5
10·4	21·4	51·3		
9·4	21·9	4·6		
10·0	22·9	12·6		
9·4	22·9	13·3	*G*	9·6
9·6	23·9	10·0		
10·5	23·9	6·5		
10·4	24·4	11·2		
10·2	24·4	39·7		
9·9	24·9	8·7		
10·3	26·3	57·5		
10·0	27·4	19·3		
8·4	30·4	1·4	*G*M–m9·1	
10·3	30·9	7·9		
9·6	31·9	5·4		
9·6	32·9	23·8		
8·8	33·9	8·9	*G*	9·3
10·5	34·9	44·5		
9·8	35·9	6·3		
10·3	39·4	33·1		
10·5	40·4	2·5		
9·1	40·4	3·2		9·9
9·0	41·9	12·1		9·5
10·4	42·4	44·1		
10·4	42·4	57·4		
10·4	42·4	6·5		
10·5	43·1	28·0		
10·0	44·9	40·6		
8·8	44·9	13·8	*G*a	9·3
9·4	44·9	1·1		
9·8	47·4	20·1		
10·5	50·9	1·2		
9·3	51·9	18·3		
9·6	51·9	0·0		
9·6	53·9	24·9		9·5
8·7	54·9	6·2		9·2
10·5	7 0·4	32·3		
10·3	0·4	35·7		
10·1	0·9	49·5		
10·3	3·4	21·5		
10·1	5·9	41·1		
10·2	6·1	25·6		
9·9	7·4	31·5		
8·8	8·9	21·5	*G*	9·5
8·1	12·4	5·4	*G*Cka	8·8
10·1	12·4	6·9		
9·3	13·4	26·4		9·4
10·5	15·9	2·8		
10·0	15·9	5·4		
25pr.	+1 28·6	+0·2		

6661—6720.

mag.	18h. m s	—19° ′		
10·5	7 16·9	25·0		
10·0	17·4	44·9		10·
10·2	17·9	16·3		
9·7	19·4	23·9	*G*	9·5
9·4	19·9	15·5		
10·3	20·1	11·0		
9·7	20·9	20·9		
9·4	21·9	21·5		
9·8	21·9	3·1		
9·1	22·1	41·0		
9·0	22·9	31·5		
9·0	24·9	17·0		
9·8	25·4	45·1		
10·5	25·9	10·1		
10·5	25·9	39·7		
10·5	26·9	5·5		
10·5	30·9	0·2		
8·7	31·9	15·8	*G*	9·3
9·0	31·9	1·6		
10·4	33·9	17·1		
10·5	33·9	55·6		
10·1	34·4	46·5		
10·4	35·9	17·9		
9·3	36·3	57·5		9·5
9·2	37·2	57·8		9·5
8·6	38·5	14·4	*G*C	9·0
10·5	41·4	57·0		
10·5	42·9	33·6		
9·9	47·4	10·7		
10·1	49·9	7·8		
9·0	51·7	9·2	*G*	9·3
10·5	52·1	43·4		
9·3	53·2	53·2		9·8
9·4	54·4	50·3		10·
9·0	54·7	2·7		
9·4	54·9	3·0		
7·2	55·1	1·8	*G*Wkal8·2	
10·0	55·4	14·8		
8·3	56·9	58·4	C–	8·5
9·8	57·7	54·4		9·5
10·3	8 1·9	15·5		
9·6	3·2	20·0		
9·9	4·9	39·3		
9·8	5·2	1·8		
8·8	8·5	20·1	*G*	9·3
10·5	11·1	9·7		
9·8	11·4	28·2		
10·0	12·9	59·7		9·1
10·1	12·9	4·8		
9·1	14·9	14·2	*G*	9·6
8·7	14·9	30·9	C	9·0
10·5	15·4	5·0		
10·1	17·4	4·9		
8·6	19·7	52·5	–	9·2
10·5	21·1	23·2		
10·5	21·9	52·0		
10·3	21·9	2·3		
10·2	25·4	0·7		
10·2	25·4	43·5		
10·1	31·4	15·9		
	+1 28·6	+0·3		

6721—6780.

mag.	18h. m s	—19° ′		
10·4	8 32·1	10·8		
10·4	32·1	5·3		
8·6	32·6	56·9		9·2
10·3	35·1	48·9		
10·3	46·2	40·7		
9·2	46·7	23·2		9·5
10·0	49·2	23·8		
9·3	54·7	15·4	*G*	9·7
8·4	9 3·7	0·8	*G*W=	9·1
10·2	6·7	13·2		
10·0	13·2	52·7		
9·6	14·2	8·0		
9·5	14·7	23·3		
10·2	23·7	51·3		
9·8	26·7	4·3		
8·9	26·7	0·5	*G*	
9·2	27·7	49·1		9·4
9·0	28·7	22·7	*G*	9·3
8·9	34·7	20·7	*G*C	9·4
8·5	36·7	36·0		9·3
7·6	36·7	0·6	*G*Wkal8·0	
8·5	37·7	7·0	*G*a	8·9
10·3	40·7	54·5	}	9·4
10·3	41·7	54·3	}	
9·2	48·7	3·0		9·8
8·6	52·7	47·0		9·3
8·6	54·7	18·4	*G*	9·3
9·4	10 0·2	22·0	*G*	
9·6	0·7	45·1		
10·2	3·2	14·1		9·5
9·6	3·7	13·4		
9·3	3·7	7·7	*G*	9·5
8·0	3·7	31·7	*G*C–	7·8
10·0	5·7	2·7		
7·9	16·7	42·8	Gk≡tπ	7·6
10·2	27·7	44·2		9·6
9·2	39·4	9·8	*G*	8·9
10·2	42·4	1·4	*G*	
10·0	50·9	52·2		
9·6	11 4·4	9·6	*G*	9·1
10·3	5·4	15·1	*G*	
9·4	16·4	9·0		9·5
10·3	28·4	26·7		
9·5	35·9	37·9		
8·6	37·4	30·1	*G*Ca	9·0
9·2	46·4	41·8		9·3
9·8	48·4	0·9		
9·8	52·4	10·9		
10·2	56·9	12·9		9·8
9·8	58·9	0·4		
10·0	12 3·9	42·2		9·5
8·8	9·9	46·8	Cal	8·5
10·2	27·9	8·5	*G*	
9·6	41·4	33·2	*G*a	9·0
10·2	59·9	46·1		
8·4	13 4·4	53·7	Cal	8·4
10·0	9·9	38·2		
9·6	10·4	35·1		9·7
9·8	12·9	29·9		
9·8	16·4	16·2		9·5
	+1 28·6	+0·4		

6781—6840.

mag.	18h. m s	—19° ′		
10·0	13 23·4	36·7		10·
10·3	25·9	4·0		
8·6	26·9	59·0	a	9·0
9·8	31·9	20·1		
10·3	33·4	25·7		
8·0	37·4	42·6	Cal	7·8
9·2	43·4	1·6		9·8
10·3	43·4	58·2		9·5
10·3	14 0·9	40·3		9·4
8·1	3·4	19·3	*G*kb–l	8·3
9·8	10·3	4·8		
9·6	13·8	12·8		
10·0	18·3	35·8		9·5
9·6	19·8	44·1		9·3
10·3	22·2	1·2		
10·0	23·3	25·9		
10·0	32·3	42·2		9·5
10·0	33·3	32·9		
10·0	49·3	24·0		
10·0	57·8	33·5		9·6
9·5	15 26·3	13·4		9·0
8·9	30·3	49·4	Ca	8·9
9·5	40·3	2·6		
9·4	50·3	45·7	a	9·3
9·5	50·3	6·6		9·5
10·3	54·3	8·2		
10·2	16 6·3	46·7		
9·0	16·3	21·1		9·3
10·0	26·2	18·7		
10·0	27·3	33·9		9·4
10·2	33·3	1·0		
10·0	33·3	58·9		
9·6	37·3	55·9		9·5
8·9	41·3	27·3	C=	7·8
8·0	45·8	38·4	MCam	8·2
10·0	51·8	15·4		9·8
9·5	53·3	52·2	Ca	8·6
10·2	17 6·2	48·1	?	
9·0	14·3	47·8	Cbm	8·0
9·0	16·3	47·1		9·3
9·0	17·3	44·2		9·3
9·0	18·8	46·1		9·3
10·3	26·3	46·6		
9·4	30·8	19·7		9·2
9·4	54·3	7·3		9·0
10·0	56·9	59·3		9·4
9·5	18 36·7	5·5		9·4
10·0	39·7	2·6		10·
10·0	53·2	4·2		
10·0	19 0·2	4·8		
10·0	2·7	16·6		9·7
9·6	10·2	8·6		9·3
9·6	24·7	7·3		9·5
9·8	32·2	36·1		9·4
8·3	51·2	1·6	Ca	8·5
10·3	55·2	27·1		
10·0	20 3·2	4·7		9·5
10·2	13·2	13·6		9·3
10·3	23·7	13·5		9·6
9·0	36·2	8·5		8·8
	+1 28·6	+0·6		

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6841—6900.

mag.	18h. m s	—19° ′		
9·8	20 38·2	40·4		
9·5	47·7	31·8	Ca	8·8
9·5	53·2	34·8	a	8·8
9·3	21 9·7	39·8		9·3
9·6	10·2	51·0	Ca	8·8
9·4	16·7	14·0		9·5
9·2	26·2	52·9		
9·5	26·2	15·0		9·3
8·8	31·7	19·2		9·0
9·6	35·7	14·3		
8·6	38·2	2·3	am	9·0
8·6	43·7	8·2	Ca	9·0
10·0	22 4·2	49·3		9·4
9·5	6·7	24·5		
10·3	6·7	25·5		
9·8	10·7	20·0		9·5
10·2	14·0	49·5		9·9
8·9	19·0	41·0	Ca	8·8
9·5	21·0	14·0		9·3
10·2	22·0	25·2		
9·6	30·5	38·5		
9·8	31·5	55·6		9·5
9·4	31·5	35·2	Ca	8·8
10·0	32·0	33·0		
10·0	52·0	17·6		
10·3	57·9	49·6		
8·6	23 0·0	26·7	Ca	8·8
10·3	3·0	21·1		
10·3	6·0	31·0		
9·6	13·5	10·2		9·4
9·4	19·0	7·2		9·4
9·8	23·0	28·0		9·5
9·6	31·0	26·1		
9·6	36·0	19·7		
10·3	40·9	13·4		
9·6	45·5	11·1		10·
10·0	47·5	12·5		
9·6	48·0	39·0		9·4
10·0	57·0	8·2		
9·6	24 2·5	9·4		
7·8	3·0	14·5	Ca	8·4
9·0	6·0	14·0	a	9·1
10·3	6·0	19·1		9·4
9·5	6·5	23·7		9·5
9·3	7·0	2·8		9·5
10·0	8·5	20·8		
10·2	10·0	8·8		
8·9	12·0	4·8		9·2
9·6	12·0	21·0		
10·0	15·5	15·2		
10·3	15·9	17·2		
8·1	16·0	10·4	Ga	8·3
9·4	18·5	20·3		9·4
10·2	21·0	25·0		
9·4	21·0	12·0	}	
8·9	22·0	12·0	}	9·1
9·5	23·0	12·4	}	
9·3	23·0	11·7	}	
8·5	23·5	15·3		9·3
10·2	23·6	14·7		
25pr.	+1 28·6	+0·8		

6901—6960.

mag.	18h. m s	—19° ′		
9·6	24 24·0	10·5		
9·4	25·0	11·6		
9·6	27·0	12·0		
8·8	27·0	12·8		
8·8	28·0	15·2		9·3
9·5	30·5	23·0		
7·8	32·0	12·6	Gktlπ	var.
8·6	37·0	0·2	a	9·2
9·6	41·5	10·7		9·5
9·8	44·0	15·2		
9·6	48·5	25·5		9·8
9·6	48·8	16·2		9·5
9·8	49·5	29·3		
8·8	50·5	21·7		9·0
8·5	52·5	12·6	kbcl	8·5
9·7	53·5	32·6		9·5
8·6	54·0	18·1		8·8
9·2	25 3·5	3·8	m	9·6
9·0	5·5	11·1		9·3
9·0	6·0	32·2	Cbl	8·7
8·0	7·5	3·6	GWtπμ	8·0
9·8	7·5	7·5		
10·2	8·5	22·7		9·1
9·6	15·5	7·9		
10·2	16·0	11·2		
9·5	33·0	25·1		9·5
10·2	42·0	22·8		
10·3	46·8	47·1		
9·8	52·5	3·2		9·5
10·0	59·5	18·9		
9·0	26 2·0	35·7		9·3
8·6	13·0	56·1	C=m	8·5
9·5	36·0	34·1		9·0
9·2	37·0	44·5		9·4
10·3	54·0	6·5		
8·3	27 2·0	52·7	Cb=ml	7·5
9·6	7·5	45·3		9·3
10·0	10·9	14·5		
8·6	25·2	22·3		9·1
10·4	31·9	31·2		9·5
8·7	35·7	37·5	Ca	8·8
10·0	56·4	26·5		
7·6	28 1·9	21·8	Gktπμ	7·0
7·8	6·9	29·1	a	9·0
10·2	11·6	59·8		
10·4	14·2	50·3	}	
9·8	14·4	50·5	}	10·
10·0	15·9	4·7		
10·4	17·9	47·4		
10·4	23·9	21·3		
9·1	26·2	40·8		
7·8	27·0	39·0	Cal	8·5
9·0	34·0	32·4		9·3
10·2	34·4	7·0		
10·4	36·9	20·5		
9·4	46·6	0·1		9·5
7·9	50·4	56·4	C=	8·8
9·0	50·9	7·5		9·5
9·1	53·4	40·3		
8·9	53·4	23·1	b	9·4
	+1 28·6	+0·9		

6961—7020.

mag.	18h. m s	—19° ′		
9·2	29 7·4	43·8	—	9·0
9·2	13·4	16·2		9·5
9·6	16·4	58·9		
9·2	20·9	3·5		9·5
10·4	22·2	43·3		
10·4	22·4	56·1		9·6
9·2	28·4	24·0		9·4
9·1	34·4	1·3		9·5
8·4	36·4	21·9	b	9·2
7·7	36·4	14·5	Cbm	8·2
9·2	38·4	22·2		
8·0	42·9	52·9	C≡	8·6
10·0	43·2	14·2		9·4
7·5	45·4	18·6	Gktπμ	7·6
9·1	48·4	23·3		10·
7·8	51·9	30·4	al	8·3
9·4	55·9	38·2		9·8
10·4	56·4	29·0		
7·8	30 5·4	31·5	Cal	8·1
8·9	7·4	42·3		9·8
9·6	7·9	27·5		9·8
9·6	16·2	58·7		9·5
10·0	17·4	54·6		
10·2	17·4	15·3		
8·4	28·9	42·4	Cal	8·3
10·4	41·9	24·1		
10·4	43·4	35·2		
10·0	52·4	11·1		
9·4	53·4	48·3		9·5
10·4	31 13·2	11·0		
9·8	13·4	2·8		9·5
9·2	16·4	15·0		9·4
9·6	17·4	38·3	am	9·1
9·8	23·9	33·8		
8·6	33·4	12·7	MCm	8·4
9·8	33·4	43·4		
10·4	58·9	22·0		
10·4	32 1·2	43·7		
9·2	13·9	53·7		9·2
10·4	19·9	12·9		
10·4	23·9	49·8		
9·8	36·2	10·5		9·7
9·1	36·2	32·6		9·2
9·6	52·2	45·3		9·5
10·4	33 5·2	15·2		
10·4	8·4	57·6		
9·8	12·7	52·1		9·3
10·0	13·7	30·6		
10·0	13·7	18·7		9·5
10·4	13·7	23·8		
10·4	34·4	59·2		
10·4	36·2	52·9		9·5
8·8	40·7	52·9		9·3
9·2	42·7	39·7	C–	9·0
8·4	50·2	44·5	M	8·9
8·4	51·7	34·5	C=m	8·6
10·0	34 2·2	17·2		9·4
9·6	4·2	30·7		
10·0	6·2	47·4		
10·0	17·2	55·8		
	+1 28·6	+1·1		

7021—7080.

mag.	18h. m s	—19° ′		
9·4	34 19·7	2·2	a	9·1
10·0	23·7	16·1		9·6
9·6	24·2	46·1		
9·6	26·2	31·4		9·5
10·0	27·7	23·2		9·4
10·0	30·7	23·9		
9·8	30·7	27·3	Mm	9·4
8·4	36·2	13·3	Cam	8·7
9·2	59·2	47·3	m	9·1
10·0	35 4·2	50·6		
10·0	23·2	36·1		9·5
10·0	27·2	16·4		
7·8	33·7	24·1	GCWam	6·5
9·4	34·7	44·2		9·5
9·2	41·2	52·4		9·4
8·2	55·7	20·8	Wam	8·8
10·0	36 25·7	45·1		9·4
9·8	41·7	45·1		
8·7	42·2	21·2		9·0
9·8	42·2	48·9		
10·4	44·2	54·5		10·
7·4	46·7	26·4	GCWam	7·0
9·8	51·2	55·2		
9·8	55·2	1·2		9·4
9·6	56·7	15·6		9·5
9·2	37 0·7	0·7		9·5
10·4	2·7	46·0		
8·8	2·7	14·6		9·2
9·2	3·7	35·3		9·5
9·8	5·7	46·3		
8·8	13·7	30·8		9·4
8·4	20·2	27·0	am	8·9
9·1	40·2	59·5		9·1
9·8	38 0·2	0·6		9·5
9·8	14·2	7·0		
10·0	21·7	9·8		9·5
9·2	31·2	55·5		9·4
8·7	35·7	12·6	am	8·7
9·6	36·7	54·1		
7·8	38·7	44·1	GWlπμ	6·8
9·8	54·7	42·2		9·5
9·2	57·7	7·8		9·5
9·1	39 2·7	59·5		9·5
9·1	9·7	47·2		9·5
10·4	11·2	50·0		
9·6	11·5	2·4		9·5
10·0	11·7	22·6		
10·0	20·0	4·9		
9·4	21·5	45·1		
8·6	23·5	7·6	Mm	9·1
10·0	36·5	7·4		9·9
9·6	43·5	38·1		9·3
9·2	52·0	49·5		9·2
10·4	52·5	5·2		
9·8	58·0	7·1		
9·8	40 3·5	6·3		9·6
9·2	8·0	35·1		9·5
9·6	8·0	1·8		
9·6	12·0	21·1		9·5
8·2	15·3	59·9	Cam	8·7
	+1 28·5	+1·3		

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7081—7140.

mag.	18ʰ m	s	—19° ′		
9·8	40	15·5	50·5		
9·8		19·5	13·3		
9·8		20·5	43·4		
10·4		31·0	54·0		
8·2		52·5	19·9	Wb=ml	7·0
8·7		53·5	43·7		9·1
10·0	41	2·0	44·3		
8·2		8·5	49·2	C	8·8
9·0		15·5	4·1		9·5
8·6		20·5	10·7		9·3
9·4		25·0	3·5	—	10·
9·8		25·0	0·9		
9·6		31·0	36·9		9·5
9·6		32·5	54·8		
10·4		32·5	22·4		9·5
8·9		44·0	12·3		9·4
10·4		46·5	0·3		
9·2		52·0	1·5		9·5
9·4		55·0	8·1		9·5
10·4		57·5	20·7		
9·8	42	7·5	20·1		10·
8·4		9·0	8·8		9·0
7·0		15·5	16·8	Wb=ml	7·1
8·0		15·5	2·9	Caml	8·5
10·0		16·5	7·0		
9·8		22·5	3·8		9·5
9·8		25·5	15·2		
10·0		26·5	4·1		
10·4		33·0	42·4		
8·7		33·0	52·6	a	9·2
10·4		33·5	43·2		
9·8		37·5	38·9		
9·6		40·0	34·7	a	9·4
9·6		42·5	10·8		
9·6		42·5	24·7		
10·0		48·5	28·9		
8·4		55·5	6·7	am	8·8
10·0	43	2·5	34·6		9·5
9·8		3·0	1·8		9·5
9·2		5·3	59·7		9·5
8·6		6·5	26·3	a	8·7
9·6		16·0	30·1		9·5
9·8		17·5	42·4		9·5
9·1		18·5	48·0	a	9·5
10·4		21·0	12·1		
9·6		22·5	21·4	b	9·1
9·6		35·0	2·1		9·5
10·4		35·5	15·2		
10·4		44·0	3·3		
8·4		45·5	45·4	Ca	8·4
10·4		51·0	6·1		
10·0		59·5	48·4		9·8
9·2	44	4·5	7·9		9·8
8·4		7·0	47·0	Ca	8·4
9·8		33·0	11·4		
10·4		45·3	13·3		
10·4		46·3	9·2		
9·8		51·8	39·1		
10·2		52·8	56·9		
10·2		53·3	0·9		
25pr.	+1	28·5	+1·5		

7141—7200.

mag.	18ʰ m	s	—19° ′		
10·4	44	59·3	2·5		
10·4	45	2·4	35·2		
10·4		6·4	32·2		
10·4		15·3	42·0		
10·4		26·3	4·6		
10·0		31·8	56·9		
10·2		32·3	37·6		9·5
8·2		35·3	49·0	am	8·7
8·0		35·3	16·1	GWktπ	8·3
9·8		39·4	57·5		9·5
9·8		45·3	59·1		
10·4		45·8	19·7		
8·6		55·3	56·1	a	8·8
9·6	46	1·3	41·6		9·5
10·0		2·3	12·3		
9·4		3·8	40·4		
9·4		4·3	54·1		
10·4		5·4	22·8		
8·6		6·3	53·4	a	9·2
9·8		12·3	44·2		
9·4		13·8	49·7		9·2
9·6		15·3	16·3		9·8
8·4		15·8	36·1	a	8·8
10·0		21·8	50·0		
10·2		23·3	16·3		
9·8		24·4	40·8		9·5
8·0		25·3	57·0	Caml	7·8
10·2		26·3	23·6		
9·1		27·8	52·9		9·3
9·6		27·8	54·5		
9·8		30·3	49·4		
8·4		36·3	13·3		9·1
8·7		42·3	41·4		9·4
10·4		42·8	52·9		
10·0		43·4	25·0		9·5
10·0		45·3	10·3		
9·4		49·5	28·0		9·4
9·8		57·5	4·8		
9·2		58·0	34·0		9·5
8·9	47	2·3	45·6		9·4
10·4		6·0	41·0		
9·6		14·0	52·8		
9·8		14·3	57·8		
9·1		21·8	54·5		9·2
8·6		22·0	48·2	am	9·1
10·4		26·5	56·6		
10·4		32·5	1·1		10·
10·2		36·5	56·6		
8·4		38·8	47·6	Caml	8·2
9·6		41·5	49·0		
10·4		46·0	52·0		
10·0		50·5	32·1		
10·4		51·6	59·7		
10·0		53·8	22·1		
8·7		55·0	36·0		9·5
8·7		55·0	27·1		9·3
8·6		55·3	56·3		9·4
8·0		58·8	8·1	M=m	9·0
9·6		59·6	53·1		
9·6	48	2·1	2·4		
	+1	28·4	+1·7		

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mag.	18ʰ m	s	—19° ′		
8·6	48	2·8	40·8	a	9·2
9·1		7·4	7·1		9·5
9·4		8·1	46·7		9·3
10·0		9·0	9·9		9·9
10·0		16·5	2·5		
10·0		18·0	6·2		
9·6		20·6	21·7		9·4
9·8		24·5	8·3		
10·0		32·0	10·7	}	9·3
8·9		33·1	10·4	}	
10·4		42·7	33·4		9·7
8·9	49	13·2	52·3	a	9·3
8·3		16·2	58·1	am	9·0
9·2		16·7	47·4	Ca	8·6
10·0		26·7	27·3		
10·4		33·2	46·8		9·4
9·2		43·7	33·9		9·3
9·3	50	0·2	36·8		9·5
10·4		9·7	47·1		
10·4		10·7	46·6		9·5
7·1		15·2	18·8	GMW=m	7·0
10·4		21·7	4·6		9·5
8·8		25·7	52·2	Cam	8·4
8·5		31·7	59·3	—	9·2
9·2		43·7	34·7		9·6
9·7		44·7	35·8		
10·4		47·7	20·4		
9·8		53·7	34·8		
8·8		54·7	2·2		9·4
9·8	51	7·2	49·9		9·5
9·2		8·2	20·4	am	8·8
9·2		8·2	45·3	a	9·4
9·8		48·2	19·1		10·
9·7		52·7	11·8		9·4
9·7		53·7	23·3		
9·8		57·2	46·7		
7·7	52	2·5	26·7	CWam	7·0
9·7		3·2	31·7		
10·4		4·2	21·2		
9·3		13·7	49·9	b	9·2
10·0		15·2	19·7		
10·4		18·7	52·1		9·4
10·4		36·7	28·9		
8·5		39·7	28·3	am	8·8
9·7		42·7	25·4		9·3
9·7		45·7	4·1		9·8
8·0	53	13·7	49·7	MCbm	7·3
7·9		43·2	31·2	GCWam	7·8
9·5		59·7	50·9		9·4
10·4	54	2·7	12·9		9·5
8·4		13·7	59·8	am	8·9
9·7		18·2	51·1		
10·4		22·2	13·9		9·6
8·6		23·2	29·1		9·3
10·4		44·7	12·1		
9·8		54·7	9·8		9·1
9·0	55	12·7	22·1		9·1
9·6		15·7	40·1		9·5
10·4		28·2	12·0		9·4
9·7		28·2	35·1		9·4
	+1	28·4	+1·8		

7261—7320.

mag.	18ʰ–19ʰ m	s	—19° ′		
10·4	55	32·7	57·3		
9·6		33·2	58·9		9·0
10·4		35·7	5·1		
8·4		43·7	38·7	—	9·1
7·3		43·7	25·4	GWb=l	6·1
9·5		45·7	5·7		9·2
7·0		45·7	16·8	GWb=l	7·0
8·6		53·7	35·5		9·0
8·9	56	4·2	41·7	—	9·0
9·7		6·7	49·1		9·5
8·5		12·7	36·9		9·1
9·8		12·7	35·8		
9·4		16·7	52·7		9·4
10·4		17·7	20·8		9·5
9·8		29·7	1·1		9·5
10·0		32·7	59·5		9·5
10·4		55·7	15·6		
10·4	57	1·2	34·5		
9·4		2·7	14·5		9·6
10·4		21·2	21·7		
10·4		45·7	16·1		
8·8		49·7	52·3	M=m	8·6
10·0		56·2	27·0		9·8
10·4		56·7	7·0		
10·4	58	2·7	13·1		
10·4		21·7	3·5		9·5
10·0		26·7	2·7		9·6
9·8		31·7	56·6		9·6
8·0		35·7	40·1	Cal	8·0
8·7		58·2	15·1		9·1
10·4	59	5·7	2·9		9·5
8·6		12·7	50·9	am	8·7
10·4		16·2	18·5		
10·4		28·2	15·9		9·8
10·4		33·2	38·4		9·8
9·8		42·7	55·0		9·8
9·5		44·2	6·5		9·4
10·4		52·7	55·1		
9·5		53·7	51·9	a	9·2
10·2		55·7	3·5		10·
10·0	0	1·2	47·3		9·8
8·6		16·2	34·1	=	8·8
9·8		21·7	44·1		9·4
10·4		41·7	43·2		9·8
10·4		43·2	22·5		9·9
8·3		51·7	48·3	Ca	9·0
9·5		52·2	41·0		9·5
9·0		55·7	6·5		9·4
5·1		55·7	29·0	GWklβ	6·0
9·6	1	5·7	53·1		10·
10·4		11·2	7·0		9·5
9·8		12·2	55·5		9·5
9·5		14·7	44·1		9·5
7·9		24·7	8·9	GCacl	7·4
9·6		25·2	42·9		9·5
9·6		28·2	0·1		9·3
9·5		36·2	26·7		9·3
9·7		55·7	24·6		
9·6	2	6·7	15·9		
7·6		9·7	36·5	Ca	8·5
	+1	28·2	+2·1		

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6841—6900.

mag.	18h. m s	—19° '		
9·8	20 38·2	40·4		
9·5	47·7	31·8	Ca	8·8
9·5	53·2	34·8	a	8·8
9·3	21 9·7	39·8		9·3
9·6	10·2	51·0	Ca	8·8
9·4	16·7	14·0		9·5
9·2	26·2	52·9		
9·5	26·2	15·0		9·3
8·8	31·7	19·2		9·0
9·6	35·7	14·3		
8·6	38·2	2·3	am	9·0
8·6	43·7	8·2	Ca	9·0
10·0	22 4·2	49·3		9·4
9·5	6·7	24·5		
10·3	6·7	25·5		
9·8	10·7	20·0		9·5
10·2	14·0	49·5		9·9
8·9	19·0	41·0	Ca	8·8
9·5	21·0	14·0		9·3
10·2	22·0	25·2		
9·6	30·5	38·5		
9·8	31·5	55·6		9·5
9·4	31·5	35·2	Ca	8·8
10·0	32·0	33·0		
10·0	52·0	17·6		
10·3	57·9	49·6		
8·6	23 0·0	26·7	Ca	8·8
10·3	3·0	21·1		
10·3	6·0	31·0		
9·6	13·5	10·2		9·4
9·4	19·0	7·2		9·4
9·8	23·0	28·0		9·5
9·6	31·0	26·1		
9·6	36·0	19·7		
10·3	40·9	13·4		
9·6	45·5	11·1		10·
10·0	47·5	12·5		
9·6	48·0	39·0		9·4
10·0	57·0	8·2		
9·6	24 2·5	9·4		
7·8	3·0	14·5	Ca	8·4
9·0	6·0	14·0	a	9·1
10·3	6·0	19·1		9·4
9·5	6·5	23·7		9·5
9·3	7·0	2·8		9·5
10·0	8·5	20·8		
10·2	10·0	8·8		
8·9	12·0	4·8		9·2
9·6	12·0	21·0		
10·0	15·5	15·2		
10·3	15·9	17·2		
8·1	16·0	10·4	Ga	8·3
9·4	18·5	20·3		9·4
10·2	21·0	25·0		
9·4	21·0	12·0	}	
8·9	22·0	12·0	}	9·1
9·5	23·0	12·4	}	
9·3	23·0	11·7	}	
8·5	23·5	15·3		9·3
10·2	23·6	14·7		
25pr.	+1 28·6	+0·8		

6901—6960.

mag.	18h. m s	—19° '		
9·6	24 24·0	10·5		
9·4	25·0	11·6		
9·6	27·0	12·0		
8·8	27·0	12·8		
8·8	28·0	15·2		9·3
9·5	30·5	23·0		
7·8	32·0	12·6	Gktlπ	var.
8·6	37·0	0·2	a	9·2
9·6	41·5	10·7		9·5
9·8	44·0	15·2		
9·6	48·5	25·5		9·8
9·6	48·8	16·2		9·5
9·8	49·5	29·3		
8·8	50·5	21·7		9·0
8·5	52·5	12·6	kbcl	8·5
9·7	53·5	32·6		9·5
8·6	54·0	18·1		8·8
9·2	25 3·5	3·8	m	9·6
9·0	5·5	11·1		9·3
9·0	6·0	32·2	Cbl	8·7
8·0	7·5	3·6	GWtπμ	8·0
9·8	7·5	7·5		
10·2	8·5	22·7		9·1
9·6	15·5	7·9		
10·2	16·0	11·2		
9·5	33·0	25·1		9·5
10·2	42·0	22·8		
10·3	46·8	47·1		
9·8	52·5	3·2		9·5
10·0	59·5	18·9		
9·0	26 2·0	35·7		9·3
8·6	13·0	56·1	C=m	8·5
9·5	36·0	34·1		9·0
9·2	37·0	44·5		9·4
10·3	54·0	6·5		
8·3	27 2·0	52·7	Cb=ml	7·5
9·6	7·5	45·3		9·3
10·0	10·9	14·5		
8·6	25·2	22·3		9·1
10·4	31·9	31·2		9·5
8·7	35·7	37·5	Ca	8·8
10·0	56·4	26·5		
7·6	28 1·9	21·8	Gktπμ	7·0
7·8	6·9	29·1	a	9·0
10·2	11·6	59·8		
10·4	14·2	50·3	}	10·
9·8	14·4	50·5	}	
10·0	15·9	4·7		
10·4	17·9	47·4		
10·4	23·9	21·3		
9·1	26·2	40·8		
7·8	27·0	39·0	Cal	8·5
9·0	34·0	32·4		9·3
10·2	34·4	7·0		
10·4	36·9	20·5		
9·4	46·6	0·1		9·5
7·9	50·4	56·4	C=	8·8
9·0	50·9	7·5		9·5
9·1	53·4	40·3		
8·9	53·4	23·1	b	9·4
	+1 28·6	+0·9		

6961—7020.

mag.	18h. m s	—19° '		
9·2	29 7·4	43·8	–	9·0
9·2	13·4	16·2		9·5
9·6	16·4	58·9		
9·2	20·9	3·5		9·5
10·4	22·2	43·3		
10·4	22·4	56·1		9·6
9·2	28·4	24·0		9·4
9·1	34·4	1·3		9·5
8·4	36·4	21·9	b	9·2
7·7	36·4	14·5	Cbm	8·2
9·2	38·4	22·2		
8·0	42·9	52·9	C≡	8·6
10·0	43·2	14·2		9·4
7·5	45·4	18·6	Gktπμ	7·6
9·1	48·4	23·3		10·
7·8	51·9	30·4	al	8·3
9·4	55·9	38·2		9·8
10·4	56·4	29·0		
7·8	30 5·4	31·5	Cal	8·1
8·9	7·4	42·3		9·8
9·6	7·9	27·5		9·8
9·6	16·2	58·7		9·5
10·0	17·4	54·6		
10·2	17·4	15·3		
8·4	28·9	42·4	Cal	8·3
10·4	41·9	24·1		
10·4	43·4	35·2		
10·0	52·4	11·1		
9·4	53·4	48·3		9·5
10·4	31 13·2	11·0		
9·8	13·4	2·8		9·5
9·2	16·4	15·0		9·4
9·6	17·4	38·3	am	9·1
9·8	23·9	33·8		
8·6	33·4	12·7	MCm	8·4
9·8	33·4	43·4		
10·4	58·9	22·0		
10·4	32 1·2	43·7		
9·2	13·9	53·7		9·2
10·4	19·9	12·9		
10·4	23·9	49·8		
9·8	36·2	10·5		9·7
9·1	36·2	32·6		9·2
9·6	52·2	45·3		9·5
10·4	33 5·2	15·2		
10·4	8·4	57·6		
9·8	12·7	52·1		9·3
10·0	13·7	30·6		
10·0	13·7	18·7		9·5
10·4	13·7	23·8		
10·4	34·4	59·2		
10·4	36·2	52·9		9·5
8·8	40·7	52·9		9·3
9·2	42·7	39·7	C–	9·0
8·4	50·2	44·5	M	8·9
8·4	51·7	34·5	C=m	8·6
10·0	34 2·2	17·2		9·4
9·6	4·2	30·7		
10·0	6·2	47·4		
10·0	17·2	55·8		
	+1 28·6	+1·1		

7021—7080.

mag.	18h. m s	—19° '		
9·4	34 19·7	2·2	a	9·1
10·0	23·7	16·1		9·6
9·6	24·2	46·1		
9·6	26·2	31·4		9·5
10·0	27·7	23·2		9·4
10·0	30·7	23·9		
9·8	30·7	27·3	Mm	9·4
8·4	36·2	13·3	Cam	8·7
9·2	59·2	47·3	m	9·1
10·0	35 4·2	50·6		
10·0	23·2	36·1		9·5
10·0	27·2	16·4		
7·8	33·7	24·1	GCWam	6·5
9·4	34·7	44·2		9·5
9·2	41·2	52·4		9·4
8·2	55·7	20·8	Wam	8·8
10·0	36 25·7	45·1		9·4
9·8	41·7	45·1		
8·7	42·2	21·2		9·0
9·8	42·2	48·9		
10·4	44·2	54·5		10·
7·4	46·7	26·4	GCWam	7·0
9·8	51·2	55·2		
9·8	55·2	1·2		9·4
9·6	56·7	15·6		9·5
9·2	37 0·7	0·7		9·5
10·4	2·7	46·0		
8·8	2·7	14·6		9·2
9·2	3·7	35·3		9·5
9·8	5·7	46·3		
8·8	13·7	30·8		9·4
8·4	20·2	27·0	am	8·9
9·1	40·2	59·5		9·1
9·8	38 0·2	0·6		9·5
9·8	14·2	7·0		
10·0	21·7	9·8		9·5
9·2	31·2	55·5		9·4
8·7	35·7	12·6	am	8·7
9·6	36·7	54·1		
7·8	38·7	44·1	GWlπμ	6·8
9·8	54·7	42·2		9·5
9·2	57·7	7·8		9·5
9·1	39 2·7	59·5		9·5
9·1	9·7	47·2		9·5
10·4	11·2	50·0		
9·6	11·5	2·4		9·5
10·0	11·7	22·6		
10·0	20·0	4·9		
9·4	21·5	45·1		
8·6	23·5	7·6	Mm	9·1
10·0	36·5	7·4		9·9
9·6	43·5	38·1		9·3
9·2	52·0	49·5		9·2
10·4	52·5	5·2		
9·8	58·0	7·1		
9·8	40 3·5	6·3		9·6
9·2	8·0	35·1		9·5
9·6	8·0	1·8		
9·6	12·0	21·1		9·5
8·2	15·3	59·9	Cam	8·7
	+1 28·5	+1·3		

7081—7140.

	18h.		—19°		
mag.	m	s	′		
9·8	40	15·5	50·5		
9·8		19·5	13·3		
9·8		20·5	43·4		
10·4		31·0	54·0		
8·2		52·5	19·9	Wb=ml	7·0
8·7		53·5	43·7		9·1
10·0	41	2·0	44·3		
8·2		8·5	49·2	C	8·8
9·0		15·5	4·1		9·5
8·6		20·5	10·7		9·3
9·4		25·0	3·5	–	10·
9·8		25·0	0·9		
9·6		31·0	36·9		9·5
9·6		32·5	54·8		
10·4		32·5	22·4		9·5
8·9		44·0	12·3		9·4
10·4		46·5	0·3		
9·2		52·0	1·5		9·5
9·4		55·0	8·1		9·5
10·4		57·5	20·7		
9·8	42	7·5	20·1		10·
8·4		9·0	8·8		9·0
7·0		15·5	16·8	Wb=ml	7·1
8·0		15·5	2·9	Caml	8·5
10·0		16·5	7·0		
9·8		22·5	3·8		9·5
9·8		25·5	15·2		
10·0		26·5	4·1		
10·4		33·0	42·4		
8·7		33·0	52·6	a	9·2
10·4		33·5	43·2		
9·8		37·5	38·9		
9·6		40·0	34·7	a	9·4
9·6		42·5	10·8		
9·6		42·5	24·7		
10·0		48·5	28·9		
8·4		55·5	6·7	am	8·8
10·0	43	2·5	34·6		9·5
9·8		3·0	1·8		9·5
9·2		5·3	59·7		9·5
8·6		6·5	26·3	a	8·7
9·6		16·0	30·1		9·5
9·8		17·5	42·4		9·5
9·1		18·5	48·0	a	9·5
10·4		21·0	12·1		
9·6		22·5	21·4	b	9·1
9·6		35·0	2·1		9·5
10·4		35·5	15·2		
10·4		44·0	3·3		
8·4		45·5	45·4	Ca	8·4
10·4		51·0	6·1		
10·0		59·5	48·4		9·8
9·2	44	4·5	7·9		9·8
8·4		7·0	47·0	Ca	8·4
9·8		33·0	11·4		
10·4		45·3	13·3		
10·4		46·3	9·2		
9·8		51·8	39·1		
10·2		52·8	56·9		
10·2		53·3	0·9		
25pr.	+ 1	28·5	+ 1·5		

7141—7200.

	18h.		—19°		
mag.	m	s	′		
10·4	44	59·3	2·5		
10·4	45	2·4	35·2		
10·4		6·4	32·2		
10·4		15·3	42·0		
10·4		26·3	4·6		
10·0		31·8	56·9		
10·2		32·3	37·6		9·5
8·2		35·3	49·0	am	8·7
8·0		35·3	16·1	GWktπ	8·3
9·8		39·4	57·5		9·5
9·8		45·3	59·1		
10·4		45·8	19·7		
8·6		55·3	56·1	a	8·8
9·6	46	1·3	41·6		9·5
10·0		2·3	12·3		
9·4		3·8	40·4		
9·4		4·3	54·1		
10·4		5·4	22·8		
8·6		6·3	53·4	a	9·2
9·8		12·3	44·2		
9·4		13·8	49·7		9·2
9·6		15·3	16·3		9·8
8·4		15·8	36·1	a	8·8
10·0		21·8	50·0		
10·2		23·3	16·3		
9·8		24·4	40·8		9·5
8·0		25·3	57·0	Caml	7·8
10·2		26·3	23·6		
9·1		27·8	52·9		9·3
9·6		27·8	54·5		
9·8		30·3	49·4		
8·4		36·3	13·3		9·1
8·7		42·3	41·4		9·4
10·4		42·8	52·9		
10·0		43·4	25·0		9·5
10·0		45·3	10·3		
9·4		49·5	28·0		9·4
9·8		57·5	4·8		
9·2		58·0	34·0		9·5
8·9	47	2·3	45·6		9·4
10·4		6·0	41·0		
9·6		14·0	52·8		
9·8		14·3	57·8		
9·1		21·8	54·5		9·2
8·6		22·0	48·2	am	9·1
10·4		26·5	56·6		
10·4		32·5	1·1		10·
10·2		36·5	56·6		
8·4		38·8	47·6	Caml	8·2
9·6		41·5	49·0		
10·4		46·0	52·0		
10·0		50·5	32·1		
10·4		51·6	59·7		
10·0		53·8	22·1		
8·7		55·0	36·0		9·5
8·7		55·0	27·1		9·3
8·6		55·3	56·3		9·4
8·0		58·8	8·1	M=m	9·0
9·6		59·6	53·1		
9·6	48	2·1	2·4		
	+ 1	28·4	+ 1·7		

7201—7260.

	18h.		—19°		
mag.	m	s	′		
8·6	48	2·8	40·8	a	9·2
9·1		7·4	7·1		9·5
9·4		8·1	46·7		9·3
10·0		9·0	9·9		9·9
10·0		16·5	2·5		
10·0		18·0	6·2		
9·6		20·6	21·7		9·4
9·8		24·5	8·3		
10·0		32·0	10·7	}	9·3
8·9		33·1	10·4	}	
10·4		42·7	33·4		9·7
8·9	49	13·2	52·3	a	9·3
8·3		16·2	58·1	am	9·0
9·2		16·7	47·4	Ca	8·6
10·0		26·7	27·3		
10·4		33·2	46·8		9·4
9·2		43·7	33·9		9·3
9·3	50	0·2	36·8		9·5
10·4		9·7	47·1		
10·4		10·7	46·6		9·5
7·1		15·2	18·8	GMW=m	7·0
10·4		21·7	4·6		9·5
8·8		25·7	52·2	Cam	8·4
8·5		31·7	59·3	–	9·2
9·2		43·7	34·7		9·6
9·7		44·7	35·8		
10·4		47·7	20·4		
9·8		53·7	34·8		
8·8		54·7	2·2		9·4
9·8	51	7·2	49·9		9·5
9·2		8·2	20·4	am	8·8
9·2		8·2	45·3	a	9·4
9·8		48·2	19·1		10·
9·7		52·7	11·8		9·4
9·7		53·7	23·3		
9·8		57·2	46·7		
7·7	52	2·5	26·7	CWam	7·0
9·7		3·2	31·7		
10·4		4·2	21·2		
9·3		13·7	49·9	b	9·2
10·0		15·2	19·7		
10·4		18·7	52·1		9·4
10·4		36·7	28·9		
8·5		39·7	28·3	am	8·8
9·7		42·7	25·4		9·3
9·7		45·7	4·1		9·8
8·0	53	13·7	49·7	MCbm	7·3
7·9		43·2	31·2	GCWam	7·8
9·5		59·7	50·9		9·4
10·4	54	2·7	12·9		9·5
8·4		13·7	59·8	am	8·9
9·7		18·2	51·1		
10·4		22·2	13·9		9·6
8·6		23·2	29·1		9·3
10·4		44·7	12·1		
9·8		54·7	9·8		9·1
9·0	55	12·7	22·1		9·1
9·6		15·7	40·1		9·5
10·4		28·2	12·0		9·4
9·7		28·2	35·1		9·4
	+ 1	28·4	+ 1·8		

7261—7320.

	18h.–19h.		—19°		
mag.	m	s	′		
10·4	55	32·7	57·3		
9·6		33·2	58·9		9·0
10·4		35·7	5·1		
8·4		43·7	38·7	–	9·1
7·3		43·7	25·4	GWb=l	6·1
9·5		45·7	5·7		9·2
7·0		45·7	16·8	GWb=l	7·0
8·6		53·7	35·5		9·0
8·9	56	4·2	41·7	–	9·0
9·7		6·7	49·1		9·5
8·5		12·7	36·9		9·1
9·8		12·7	35·8		
9·4		16·7	52·7		9·4
10·4		17·7	20·8		9·5
9·8		29·7	1·1		9·5
10·0		32·7	59·5		9·5
10·4		55·7	15·6		
10·4	57	1·2	34·5		
9·4		2·7	14·5		9·6
10·4		21·2	21·7		
10·4		45·7	16·1		
8·8		49·7	52·3	M=m	8·6
10·0		56·2	27·0		9·8
10·4		56·7	7·0		
10·4	58	2·7	13·1		
10·4		21·7	3·5		9·5
10·0		26·7	2·7		9·6
9·8		31·7	56·6		9·6
8·0		35·7	40·1	Cal	8·0
8·7		58·2	15·1		9·1
10·4	59	5·7	2·9		9·5
8·6		12·7	50·9	am	8·7
10·4		16·2	18·5		
10·4		28·2	15·9		9·8
10·4		33·2	38·4		9·8
9·8		42·7	55·0		9·8
9·5		44·2	6·5		9·4
10·4		52·7	55·1		
9·5		53·7	51·9	a	9·2
10·2		55·7	3·5		10·
10·0	0	1·2	47·3		9·8
8·6		16·2	34·1	=	8·8
9·8		21·7	44·1		9·4
10·4		41·7	43·2		9·8
10·4		43·2	22·5		9·9
8·3		51·7	48·3	Ca	9·0
9·5		52·2	41·0		9·5
9·0		55·7	6·5		9·4
5·1		55·7	29·0	GWklβ	6·0
9·6	1	5·7	53·1		10·
10·4		11·2	7·0		9·5
9·8		12·2	55·5		9·5
9·5		14·7	44·1		9·5
7·9		24·7	8·9	GCacl	7·4
9·6		25·2	42·9		9·5
9·6		28·2	0·1		9·3
9·5		36·2	26·7		9·3
9·7		55·7	24·6		
9·6	2	6·7	15·9		
7·6		9·7	36·5	Ca	8·5
	+ 1	28·2	+ 2·1		

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7321—7380.

mag.	19h. m s	—19° ′		
9·4	2 9·7	35·9	a	9·5
10·4	10·7	12·0		
8·4	15·7	10·2		9·0
9·7	20·7	29·7		
10·4	21·7	17·0		
9·4	46·7	54·1		9·5
10·4	59·2	8·7		
8·8	3 2·7	51·7		9·0
9·8	10·7	11·3		9·9
9·7	21·2	36·7	M–m	9·4
9·6	24·2	32·2		9·8
10·4	34·7	13·9		
9·8	43·2	7·7		
9·0	44·2	22·2		9·5
9·0	51·7	53·2	a	9·2
10·4	53·1	59·4		
9·8	59·7	23·5		10·
8·6	4 4·7	14·1		9·2
10·4	5·7	38·9		
9·0	24·9	12·2		9·1
8·2	25·9	23·4	MC=m	8·8
10·0	34·4	53·7	a	9·3
9·6	47·9	25·5		9·9
10·4	52·4	58·1		9·5
10·4	55·4	56·8		
10·4	5 1·4	3·9		
10·4	4·0	59·3		
10·4	12·9	41·3		9·5
9·5	16·4	53·0	a	9·3
9·6	22·9	30·0		9·4
8·0	24·9	26·1	Cb=ml	8·3
8·0	43·9	41·6	Cal	8·6
8·2	6 5·9	3·8	aml	9·0
10·4	29·8	17·9		
10·4	32·9	58·8		9·5
8·9	35·9	38·0		9·2
9·0	38·4	8·6		9·5
9·0	45·9	50·6		9·2
10·4	48·4	13·2		
10·0	59·9	51·0		
9·0	7 5·9	37·8		9·3
10·4	14·0	59·7	G	9·5
10·4	25·3	12·7		
8·4	25·5	11·2	GCa	8·7
10·4	56·4	34·1		9·5
10·0	8 5·3	24·5		9·5
9·2	10·8	39·0		9·3
9·5	11·3	34·9	Mm	9·3
10·4	19·4	37·5		9·5
10·4	42·9	9·7		
10·4	45·7	34·1		9·6
10·4	46·9	16·8		
10·0	48·1	52·7		9·7
10·4	9 5·1	45·1		9·6
10·4	13·6	45·7		9·6
9·2	33·1	26·1		9·3
9·2	37·1	16·7		9·3
10·4	44·3	31·5		9·4
8·3	51·1	12·2	–	8·8
10·0	56·6	50·2		
25pr.	+1 28·2	+2·3		

7381—7440.

mag.	19h. m s	—19° ′		
9·2	9 57·6	20·4		9·4
10·4	10 3·1	15·8		9·4
9·2	4·1	25·3		9·1
9·0	8·6	57·7		9·2
8·5	12·6	16·8	CW	9·0
6·4	19·1	10·4	GSπμβ	5·3
9·0	25·6	50·8	≡	8·8
10·4	32·6	12·9		9·8
10·0	32·6	22·8		
8·6	36·6	38·5		9·0
8·5	44·6	21·6	C–	8·5
7·2	53·6	5·1	Gklπμ	8·0
8·6	11 0·6	34·9	Ca	8·5
10·0	3·5	17·1		9·6
9·8	12·5	17·7	W	9·2
9·6	14·2	56·7		9·5
8·6	27·0	57·0	MC=m	8·8
10·4	42·0	59·7		9·5
9·2	12 2·5	41·1		9·3
9·0	11·5	42·0		9·1
9·6	27·5	29·9		9·4
10·4	36·0	16·2		9·8
7·8	38·5	35·6	Cb≡ml	8·0
8·8	56·5	43·7		9·3
9·4	57·5	0·8		9·5
10·4	58·5	30·6		9·5
9·0	13 7·0	5·6	Ca	8·8
9·2	10·5	13·5	MW–m	9·1
9·2	14·0	46·3		9·5
8·8	16·5	23·4		9·5
10·4	17·5	7·1		
9·2	31·0	17·5	W	9·2
9·4	46·0	56·2		9·3
10·4	14 2·5	59·9		9·5
10·4	3·5	23·0		
9·4	7·0	20·8		9·1
9·8	13·0	27·0		9·1
9·0	16·5	55·5	C	9·1
9·7	16·5	49·9		9·5
6·8	17·5	27·9	GWtlπ	6·5
9·4	32·5	35·0		9·4
8·6	35·5	3·2		9·3
8·4	44·5	21·3	Cb–l	8·3
9·8	15 13·5	52·0		9·2
7·8	16·8	15·5	GWtlπ	8·3
10·0	38·3	24·4		
10·4	39·3	12·9		9·7
8·4	45·8	13·1	CWal	8·3
10·0	47·3	2·5		9·4
10·4	57·8	19·7		
8·6	16 3·3	53·7		9·2
9·4	16·3	52·9		9·5
10·2	17·3	50·6		9·7
10·4	17·3	57·0		
10·0	22·3	43·6		
8·6	26·3	54·7	C–	8·8
10·0	35·8	21·0		9·5
9·4	36·3	33·0		9·4
9·2	36·3	38·6		9·5
10·0	44·3	9·6		9·7
	+1 28·0	+2·6		

7441—7500.

mag.	19h. m s	—19° ′		
10·4	16 44·3	53·3		9·8
9·7	17 2·3	40·2		10·
8·3	4·0	57·3	MCbm	8·4
10·4	7·3	41·6		
10·2	7·8	43·0		10·
8·3	11·8	10·1	Gatlπ	8·2
9·4	22·8	50·7		9·6
9·4	31·3	8·1		9·1
9·7	33·3	33·8		9·5
9·2	36·3	52·7		9·4
10·4	37·3	41·7		
8·2	46·3	17·8	W–	8·9
10·4	46·3	9·2		9·5
10·4	52·1	59·7		
10·2	18 2·3	40·0		9·6
9·8	13·3	37·2	–	9·5
10·4	15·8	10·7		9·7
8·2	23·3	24·9	CWa	8·7
9·7	25·3	16·2		9·5
10·4	34·2	51·1		
10·4	54·3	51·0		
9·6	54·3	38·7		9·7
9·2	19 4·3	30·1		9·6
10·0	6·5	50·3		
10·4	10·5	30·9		
10·0	29·5	39·6		9·3
10·4	32·0	31·5		
9·8	32·5	22·4		10·
9·8	32·8	58·5		9·4
9·7	46·0	30·7		9·8
10·4	56·0	14·0		
10·4	56·5	5·6		
9·2	20 12·5	27·1	–	9·0
8·5	30·0	1·1	≡	8·6
10·4	41·0	43·6		9·8
10·4	44·0	51·8		
8·3	44·0	35·6	C≡	7·8
10·4	52·0	57·0		
9·8	57·0	48·9		9·5
9·2	21 12·5	38·5		9·4
10·0	18·5	31·9		9·6
9·8	25·5	58·7	Ca	9·0
10·4	32·0	45·1		9·7
10·4	44·5	43·3		9·8
8·5	22 8·5	6·6	–	8·5
9·7	13·0	3·9		9·5
9·0	18·0	30·8	–	9·1
9·4	22·0	44·7	CWa	9·0
9·8	39·0	27·7		9·5
8·2	43·0	48·5	CWaml	8·0
9·7	46·5	19·1		9·6
10·0	49·0	43·4		9·8
9·7	50·5	27·7		9·5
8·6	51·0	38·4	CWal	8·2
9·8	52·3	58·7		9·1
10·0	53·5	34·6		
10·4	23 3·8	59·1		
10·4	13·5	30·0		9·5
10·4	15·5	1·2		
10·0	27·0	52·0		9·8
	+1 27·9	+2·9		

7501—7560.

mag.	19h. m s	—19° ′		
9·2	23 32·5	10·8		9·4
10·0	44·0	24·3		9·6
9·7	24 0·0	20·8		9·5
9·7	7·0	26·3		9·5
10·4	13·0	36·3		
10·0	13·5	23·9		9·6
10·4	14·5	28·9		9·8
9·0	24·0	59·7		9·1
8·0	24·0	38·8	CWal	7·0
9·6	33·5	17·9		
10·0	34·0	51·0		
9·4	25 2·0	24·0		9·3
9·8	2·0	0·0		9·2
8·5	6·0	57·8	Ca	9·0
10·0	12·0	48·5		
9·7	45·0	6·1		9·4
8·5	54·0	32·1	CWal	9·0
9·8	57·5	52·3		9·8
10·0	26 13·0	31·6		
10·4	13·0	32·1		
10·4	24·0	28·6		
8·2	27·5	7·7	al	8·5
9·4	30·5	51·0		9·7
8·4	31·8	59·8	a	9·2
8·5	50·0	50·2	CWam	8·5
10·4	56·0	36·8		10·
10·0	27 11·0	56·5		9·5
10·4	11·0	29·3		
10·4	24·4	19·5		9·7
9·4	25·8	56·7		9·5
10·0	37·9	37·7		9·8
8·3	39·5	2·3	Ckal	8·3
8·6	58·7	50·9	CWa	8·9
10·2	28 1·9	9·9		
9·0	16·2	44·7		9·3
10·4	27·9	2·9		
9·4	33·9	40·0	C	9·0
9·0	46·2	52·0	CWa	8·8
8·6	55·2	10·7	Wam	8·7
9·4	56·4	21·1		9·4
10·0	29 1·9	11·9		9·9
10·4	4·2	37·4		
9·6	5·5	2·9		9·3
6·5	9·0	7·6	GWlπμ	5·8
10·0	11·0	16·1		9·3
9·6	23·0	48·5		9·5
9·0	23·5	31·6	Ca	8·8
10·3	28·5	34·9		9·5
8·0	32·5	3·6	Wkaml	7·8
9·6	56·3	0·9		8·8
8·4	30 16·8	17·6	a	8·7
8·0	44·3	29·3	Cam	8·5
9·2	53·3	10·9		9·2
10·3	56·3	25·4		9·5
9·4	31 27·3	37·5		9·3
9·4	35·3	31·5		9·4
10·3	36·3	43·8		9·5
9·8	40·3	48·1		9·3
8·4	43·8	29·5	Cam	9·0
9·2	32 9·8	53·3	C–m	8·8
	+1 27·7	+3·1		

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7561—7620.

mag.	19^h m	s	—19° ′		
8.8	32	26.3	19.2		9.2
7.8		27.8	30.9	Cam	7.8
10.3		30.3	27.2	a	9.4
9.8		37.3	54.7		9.4
9.6		53.3	12.3		9.1
9.0	33	32.3	49.6	Cam	8.6
9.6	34	10.6	59.2	Ca	9.0
10.2		16.3	17.2		10.
10.3		21.3	53.9		9.4
10.3		23.8	57.2		9.8
9.4	35	27.3	4.8		9.3
8.5		54.3	24.2	Ca	8.0
10.3		58.8	7.7		9.2
9.6	36	16.3	19.2	M—m	9.0
10.3		17.8	6.1		9.6
9.0	37	5.3	57.0		9.3
10.0		11.8	59.8		9.6
9.0		53.3	50.8		9.7
8.8	38	3.8	9.1	a	8.6
9.8	39	12.3	41.7		9.4
9.8		12.3	25.1	Mm	9.2
10.3		50.3	34.4		9.8
9.0		54.3	22.0		9.2
7.7	40	3.2	2.9	MC≡m	7.5
10.3		16.7	55.2		9.6
10.3		22.7	12.1		9.5
8.4		28.7	30.9	MC—m	8.5
10.2		50.2	30.5		10.
9.8	41	0.7	56.8		9.5
9.0		6.7	6.7	a	8.8
8.4		13.2	39.3		9.6
10.3		14.2	12.8		
9.8		46.7	39.6		9.5
9.2		47.7	0.0		9.5
9.4		53.7	25.6		9.5
8.6		54.7	20.5	Ca	8.8
10.3	42	20.7	43.1		9.4
9.6		32.2	40.1	MC=m	9.0
9.4		36.7	26.7		9.5
9.8		42.7	21.1	a	9.0
8.4		52.7	11.9	a	8.6
8.4	43	11.7	26.8		8.8
9.0		15.7	35.9	C—	9.0
9.0		49.7	56.3	C	9.2
8.2	44	19.2	31.5	Gbmtπ	7.8
9.0		42.7	6.0	a	8.5
10.3		53.2	27.0		9.6
6.4		55.7	21.6	GWtπβ	6.5
8.6	45	5.7	5.7	a	8.8
10.3		13.7	34.6	C	9.4
8.8		21.7	41.4	MC—m	8.3
10.3		23.2	30.2		9.5
8.8		55.2	35.0	MCm	8.9
9.2	46	56.7	38.3	—	9.0
9.4		57.2	49.1		9.2
10.3	47	0.7	10.1		
10.3		5.7	56.0		9.4
8.2		15.7	15.5	MC≡m	7.8
8.8		17.2	47.0	Mm	8.8
10.2		22.0	17.7		9.4
25pr.	+1	27.5	+3 6		

7621—7680.

mag.	19^h—20^h m	s	—19° ′		
9.4	47	25.7	20.6		9.5
8.6		46.2	5.6	M—m	8.5
6.9	48	7.0	37.1	GCWal	7.0
7.9_		42.0	12.1	Cam	8.0
9.1	49	45.7	53.4	C	9.0
8.8	50	6.7	10.4	a	9.0
9.2		8.9	26.9		9.6
8.8		9.9	51.5	C—m	8.6
9.2		40.7	42.3		9.3
9.4		57.2	3.1		9.5
9.3	51	56.8	38.6		9.5
8.6	52	0.2	56.3	C≡	8.5
9.0	53	16.4	23.6		9.3
9.4	54	1.1	49.5		9.8
7.2		45.4	26.5	CWal	7.3
8.7	55	26.4	28.0	C—	8.6
9.2	56	22.7	18.1		9.0
9.4		38.7	8.1	a	8.8
9.3	57	33.1	52.1		9.3
7.6		48.4	7.4	CWaml	7.8
8.6		59.4	3.7	Cam	9.0
9.4	58	11.1	46.5		10.
9.1		41.7	42.9		9.2
8.4		49.4	3.6	Wb≡ml	8.3
9.0		49.7	4.9		9.2
7.0		58.4	50.7	GCbtπ	7.0
9.2	59	23.2	32.8		9.3
9.4		41.8	8.8	K	9.2
9.0		45.8	48.1		9.4
9.2		50.1	25.9		9.3
8.4	0	4.7	55.9	Cal	7.8
9.1		18.7	41.5	a	9.0
8.8		34.4	33.2	a	8.7
9.2		47.9	41.1		9.3
6.9		59.7	9.8	GWlπμ	7.0
9.0	1	30.5	53.0	MCm	9.0
8.0	2	2.5	46.6	CW—m	8.5
9.1		6.5	13.4		9.5
8.4		19.1	15.8	a	9.0
9.2		26.5	37.4	C	9.1
9.2		42.3	10.9		9.6
9.3		54.8	37.2		9.0
7.2	3	10.1	44.8	GWlπμ	7.0
9.4		56.1	19.9		9.3
8.8	4	25.3	33.8		9.6
8.8		45.3	17.9		9.3
9.3	5	33.8	39.0		9.6
8.2		33.8	5.4	C≡	8.5
8.8		37.2	27.7	C=	8.7
9.3		59.6	42.0		9.8
9.4	7	24.2	10.2		9.5
9.2		26.3	42.7		9.8
8.0		29.0	34.9	Gbtlπ	8.0
9.4		52.8	55.1		9.5
10.0*		54.5	4.0		
10.0*	8	4.0	23.1		
9.0		5.2	7.0		9.2
9.4		13.0	57.0		9.4
8.7_		29.0	17.2	C=m	8.5
10.4_		30.5	11.8		9.8
	+1	27.1	+4.2		

7681—7740.

mag.	20^h m	s	—19° ′		
9.4	8	48.8	55.2	a	9.1
10.4		53.5	37.6		
10.2		55.0	20.6		
10.4		55.2	33.6		
10.4		55.2	41.8		
10.0	9	4.5	14.0		9.5
10.2		6.5	39.5		9.5
10.4		14.5	49.1		
9.6		26.0	38.1		9.3
10.0		26.5	6.4		
9.8		43.0	47.4		9.3
9.6		44.0	46.2		9.5
10.0		52.5	42.0		9.5
10.2		53.5	42.7		
8.6	10	6.5	39.8	C≡	8.5
9.8		10.0	1.1		9.4
10.0		17.5	14.8		
10.0		22.5	16.3		9.8
9.8		56.5	25.0		9.5
10.0	11	13.0	53.4		
8.1		15.5	40.5	C—	8.2
8.8		19.5	45.6		9.1
9.8		33.5	58.0		
10.4		35.0	11.3		9.4
10.4		41.5	51.1		9.5
9.5		52.0	35.3		9.5
8.8	12	4.0	57.8	Cam	8.9
9.2		11.5	31.3	GW=	9.0
7.2		11.5	30.4	GWπμβ	5.7
10.0		22.0	10.8		9.5
9.8		34.5	29.3		
9.8		36.5	54.0		9.5
10.4		37.0	59.4		9.7
9.8		59.0	33.0		9.5
9.6	13	10.0	42.4		9.8
9.5		14.0	56.2	a	9.1
10.4		24.5	18.6		
9.5		27.0	1.3		9.2
9.2		36.5	29.6	C—	9.1
10.0		38.5	5.7		
9.2		39.0	38.1		9.5
8.8		44.0	17.3		9.8
9.8		49.0	13.3		
9.8		50.0	33.1		
8.4		53.5	7.8	C—	8.9
9.8		54.0	43.7		9.8
9.2		56.0	48.9		9.5
9.6		56.5	19.2		9.9
9.8		57.5	32.5		
9.0	14	20.5	28.1	CWK—	9.0
9.8		24.0	10.8		
10.4		34.0	27.0		
10.2		42.5	43.9		
9.4		44.0	17.9		9.9
10.0		58.0	29.4		
10.4	15	6.0	26.3		
10.0		7.5	21.1		
10.4		10.0	56.7		
8.1		11.5	5.2	Cam	8.4
9.8		19.5	47.7		9.8
	+1	26.7	+4.6		

7741—7800.

mag.	20^h m	s	—19° ′		
10.4	15	23.0	12.8		
10.4		36.0	18.8		
8.9		52.5	24.4		9.3
9.0		56.0	55.7	Mm	9.4
10.2	16	16.4	11.4		9.8
9.5		25.4	33.6		9.8
9.4		31.4	49.6	C	9.4
10.4		32.3	43.1		
9.8		32.4	29.2		
9.4		43.4	55.5		9.5
9.4		43.9	7.7	CW	9.2
10.2		51.3	50.4		9.8
9.2	17	12.4	50.2	MCm	9.1
8.6		15.9	16.2		9.4
8.7		21.4	10.3	CW=	9.1
10.2		23.4	16.6	?	
7.9		51.4	50.2	Gtlπμ	7.0
8.6		52.9	6.2	—	9.0
9.0	18	6.4	32.0		9.4
10.4		10.9	30.6		
9.6		14.9	33.0		9.6
7.6	19	10.9	33.4	Gbtlπ	7.7
10.4		15.9	32.4		
10.2		21.9	55.8		9.6
10.4		25.4	33.3		
8.2		38.4	15.2	C=	8.9
10.4		43.9	54.1		
7.8		50.1	57.2	GWatπ	8.7
9.2	20	5.4	34.6		9.4
10.0		6.3	19.5		
9.0		6.9	1.1		9.5
9.2		13.4	25.0	K	9.4
9.8		23.9	24.8		10.
10.4		30.4	52.5		
9.4		56.9	44.4		9.4
9.6	21	12.6	56.7		9.5
9.4		16.4	27.2		9.7
9.8		25.9	17.8		
9.4		35.4	52.3		9.7
10.2	22	5.4	19.7		
10.4		7.3	55.0		
10.4		13.4	2.2		
9.8		14.4	14.7		
10.0		14.9	23.0		
10.0		18.4	32.1		
9.5		21.9	47.3		9.5
9.6		24.9	17.9		9.6
9.8		28.4	51.0		9.7
8.2		32.4	30.1	C≡	8.5
9.4		37.4	58.0		9.2
9.8		53.9	4.9		9.5
10.4		56.7	36.7		
10.4	23	7.9	16.9		
9.4		10.9	17.6		9.7
8.6		34.9	51.9	C	8.7
10.0		34.9	31.7		10.
10.4		40.4	35.9		
10.0		45.4	29.6		9.6
8.8		49.9	32.5	Ca	9.0
9.6		55.4	18.2		
	+1	26.5	+4.8		

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7801—7860.

mag.	20h. m	s	—19° ′		
10·2	24	1·9	49·6		
10·2		25·9	56·7		10·
10·2		38·4	22·8		
10·4		40·4	43·5		
10·2		44·9	33·7		9·8
10·0		47·4	44·7		
10·4		47·9	53·0		
9·4		49·4	3·1		9·7
10·4		59·9	59·8		
9·6	25	0·9	45·2		9·6
9·8		9·9	45·7		9·6
9·0		11·4	41·9	C	9·3
9·4		11·4	6·0		9·3
10·0		13·4	58·3		9·5
10·2		21·9	48·7		
10·4		29·9	43·2		
10·2		32·7	0·0		
9·2		35·4	42·7		9·5
10·4		41·9	6·9		
10·0		42·9	28·3		
10·4		50·4	33·3		
9·2		51·9	43·6	C=m	8·5
10·4		59·9	12·8		
10·4	26	3·9	48·0		
9·8		5·8	23·7		9·5
10·4		8·3	51·1		
9·8		34·8	44·6		9·5
9·2		36·8	33·1		9·4
8·4		59·1	42·7	Caml	8·2
10·4	27	1·8	20·2		10·
9·8		15·0	57·5		9·6
7·7		15·6	49·3	Caml	7·8
9·4		25·3	21·2		9·3
10·4		30·8	50·7		
10·4		31·8	54·0		
10·4		36·8	54·4		
9·6		49·8	13·1		9·5
10·4	28	5·8	50·9		
9·8		8·3	52·5		9·6
9·2		12·6	31·3	Ca	9·1
10·0		13·8	29·1		9·5
9·8		15·3	13·6		9·4
9·8		18·3	4·2		
10·4		21·6	44·4		
10·4		21·6	11·5		10·
10·0		30·8	15·2		9·6
8·6		32·8	30·9	Caml	8·5
9·6		38·3	37·8		9·4
10·2		49·8	3·8		
10·4		55·8	22·9		
9·4	29	2·8	42·1		9·7
9·4		12·0	22·3		9·3
10·0		12·6	10·3		
10·4–		12·6	4·7		
9·8–		47·9	34·5		9·4
9·2		55·4	52·7		9·4
8·6	30	16·9	41·0	C	9·0
8·6		39·9	12·5	CWb≡	8·9
8·2	31	3·4	13·6	CWb≡l	8·7
9·4		5·4	59·7	Cam	9·0
25pr.	+1	26·3	+5·0		

7861—7920.

mag.	20h. m	s	—19° ′		
8·0	31	19·9	4·6	bml	8·7
10·3		23·4	22·5		9·6
9·0		42·9	36·9		9·3
9·8		45·4	38·2		9·3
9·0	32	3·4	46·5		9·3
8·2		5·4	42·8	Cbml	7·8
9·8		16·9	12·9		9·5
10·3		18·4	8·7		9·6
9·2		21·4	26·8		9·1
10·2		21·9	51·7		9·4
9·8		34·4	46·5		10·
9·8		35·4	55·6		9·7
9·3		37·4	11·7		9·5
8·0	33	41·4	13·2	CWaml	8·2
10·3		50·9	41·7		
9·6	34	25·9	54·0		9·5
9·0		35·4	29·9	Cb–l	8·5
10·0		48·4	30·9		9·5
9·1	35	1·4	44·7	MCm	9·0
8·4		7·9	2·3	al	9·0
9·8		22·4	18·2		9·5
10·3		35·9	41·8		9·5
9·8		38·9	34·9		9·5
8·6		46·9	56·0	CWbm	8·7
8·7	36	5·9	56·3		9·2
8·6		15·9	55·7	Ca	9·1
9·1		22·4	33·6		9·0
9·6		26·9	4·6	=	9·1
9·4		32·4	40·9		9·5
7·8		45·4	47·3	MCaml	7·3
10·2	37	12·4	19·8		9·8
10·0		20·9	32·9		9·5
9·3		25·9	29·6	Cam	9·0
10·3		26·9	35·6		
9·1		39·9	16·2		9·2
10·0		59·4	32·6		10·
9·6	38	1·4	28·7		9·6
9·2		21·9	30·2	Cam	9·0
8·8		38·4	37·2	Cal	9·0
9·0		57·4	35·3	Caml	8·8
9·2		58·9	31·9		9·3
9·1	39	20·4	15·6	Cam	8·8
7·4		28·4	53·5	CWaml	7·0
9·6		35·4	33·0		9·5
9·2		44·4	5·4		9·1
8·0	40	15·4	4·6	Cam	8·0
9·4		23·4	56·4	C	9·1
10·0		35·4	25·5		9·5
10·0		54·9	16·7		9·5
7·0	41	3·9	43·0	GCb≡l	6·5
9·1		33·9	56·4	Cam	8·8
9·1	43	24·9	26·3	C	9·2
9·2		31·9	26·0		9·3
10·0		54·4	3·4		9·4
10·0	44	12·4	53·5		9·7
10·0		46·4	55·1		9·5
9·8		51·4	1·2		9·5
8·4	45	2·4	32·3	Ç–	8·8
10·2		2·9	50·9		9·5
8·1		13·4	12·6	C≡	8·3
	+1	26·0	+5·3		

7921—7980.

mag.	20h. m	s	—19° ′		
9·0	45	19·4	59·9	MCal	8·6
10·0		36·4	25·7		9·5
8·8		39·9	5·7		9·2
10·0		41·4	10·9		9·8
9·2		51·4	4·9		9·4
7·6	46	24·4	35·0	GCaml	6·5
10·0		28·4	14·9		9·7
10·3		40·4	17·0		9·8
9·2		42·4	15·4		9·4
7·6		58·4	28·0	GCaml	7·3
10·2	47	6·3	54·4		9·4
10·3–		22·0	37·1		9·8
7·8		25·2	19·3	Ca	8·6
9·5		33·2	49·6		9·3
6·9		39·9	16·0	GWacl	7·0
9·7	48	0·4	55·6		
9·9		9·7	1·0		9·8
9·2		12·2	7·9		9·7
8·5		20·9	25·0	a	9·0
9·5		35·5	29·9	Wa	9·1
7·3		38·2	3·4	Cb≡ml	8·2
9·0		57·7	30·5	CWam	8·9
9·9	49	8·4	4·8		
9·9		50·4	49·4		9·5
8·0	50	6·4	15·6	Ca	8·8
8·9		23·4	23·8	a	9·1
8·5		33·4	10·8	Ca	9·0
9·7	51	1·1	59·0		9·7
9·9		5·9	17·8		9·8
9·5		6·9	9·2		9·7
9·7		7·4	40·4		9·8
9·9		26·9	46·8		9·8
9·0		34·9	36·7	W	9·4
8·9		52·9	38·0	W	9·1
8·2		56·4	23·6	Caml	8·2
9·2	52	6·9	38·8		9·3
9·0		12·9	39·4	W	9·2
9·7		23·4	54·8		9·6
6·2		29·3	31·1	GWπμβ	6·2
9·9		29·4	45·7		
9·9		46·8	53·1		9·7
9·0	53	1·3	30·5	C–	9·0
9·0		9·8	31·2	C	9·2
9·9		11·8	2·8		
9·7		14·8	43·2		9·8
9·9		33·8	16·8		
9·2		41·8	11·9		9·2
9·9		54·8	0·9		9·8
9·9	54	6·3	52·0		9·4
8·6		20·3	24·2	Ca	8·3
9·7		23·8	6·3		9·5
9·5		25·3	41·8		9·5
9·9		33·3	55·9		10·
9·9		43·3	18·9		9·6
8·5		52·3	44·0	CWa	8·9
9·7		52·8	44·4		
9·5	55	3·8	49·5		9·4
9·7		24·8	16·5		9·4
7·8		38·3	44·2	CWal	7·0
8·4	56	0·8	48·4	Cal	8·5
	+1	25·5	+5·7		

7981—8040.

mag.	20h.–21h. m	s	—19° ′		
9·7	56	25·8	15·0		9·8
9·9		34·8	16·2		
9·9		43·8	14·1		9·8
9·7		50·8	16·8		9·4
9·9		53·8	52·0		10·
9·9		57·8	49·4		9·5
9·7	57	5·3	9·1		9·5
9·9		5·8	10·3		
7·8		8·8	1·1	Ca	8·4
9·9		14·8	4·7		
9·7		16·8	48·8		9·2
9·9		17·3	48·0		
8·9		23·8	12·1		9·1
8·9	58	3·3	12·5		9·2
9·0		16·8	15·8		9·5
9·5		25·8	34·6		9·3
9·5		42·3	58·7	G	9·2
9·9		56·8	11·0		9·5
9·5	59	4·3	48·9		9·5
9·5		31·8	39·8		9·7
9·9		55·8	40·8		9·8
8·2	0	2·8	12·0	C=	8·2
9·0		9·3	59·0	C	9·1
9·5		19·8	51·5		9·5
7·2		24·8	35·2	G–ctπ	7·0
8·5		55·8	29·1	Ca	9·1
8·5		56·8	25·6	Ca	9·0
9·0	1	2·8	55·6		9·3
9·2		5·8	37·9		9·4
8·5		45·8	13·8	am	8·3
8·9		53·3	7·6	Mm	9·2
9·7	2	1·8	43·1		9·5
9·9		3·3	14·8		
9·5		19·3	57·9		9·7
9·9		21·8	53·9		
9·7		23·3	0·0		
9·7		45·8	3·7		9·5
8·9		47·3	3·9		9·1
9·5		51·8	21·6		9·5
9·0	3	33·3	45·8	C	9·1
8·5		55·8	30·4	K=	8·8
9·9	4	33·8	13·3		9·5
9·2		43·8	1·4		9·8
9·7	5	7·8	16·8		9·6
9·7		39·8	42·0		9·5
9·9		53·8	42·6		9·8
9·7	6	4·3	57·8		9·5
9·9		10·8	40·0		9·5
9·0		42·8	29·9		9·0
9·5		46·3	17·0		9·3
8·9	7	3·1	22·1	Ca	9·0
9·7		12·8	9·9		10·
9·9		43·8	28·8		10·
9·9	8	43·8	20·2		9·5
9·9–		52·8	46·4		10·
10·1	9	15·2	51·7	C	9·0
9·7		55·2	59·0		9·0
8·4	11	8·9	12·5	C≡	8·3
9·4		31·9	45·3		9·3
9·8		43·9	19·2		9·5
	+1	25·1	+6·0		

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8041—8100.

mag.	21h m	s	−19° ′		
9·6	13	15·4	27·5	C≡m	9·0
8·9	14	13·9	41·7	C	9·0
8·5		15·4	21·1	MC–m	8·8
8·4		27·9	42·7	C	9·0
7·8		42·9	15·8	GCb=l	8·0
9·9	15	0·4	45·2	Ca	9·0
9·4		16·4	50·9	Ca	9·2
10·1	17	11·1	10·4		9·7
8·4		55·4	29·2	C≡m	8·5
8·4	18	42·4	7·4	Cb=ml	8·0
10·1	19	34·4	20·9		9·4
8·4	20	2·4	35·7	C≡	7·5
8·4		11·4	51·0	CW–	8·0
9·0		44·4	43·3	Ca	9·0
10·1	21	10·9	38·4		9·5
9·4		32·4	12·6	a	9·2
9·2	22	8·6	57·3		9·1
6·8		58·9	41·5	GWlπμ	6·5
10·1	23	7·4	33·9		9·8
10·1		13·9	9·6		9·3
8·4	24	19·9	52·3	CWam	8·8
7·0		23·9	47·2	GWlπμ	7·3
8·9	25	21·4	34·7	C–	9·0
9·6		48·9	44·3		
7·9		50·9	7·9	C=	8·7
8·9	26	14·9	7·3	C≡	8·7
10·1		15·4	54·0	K	9·8
8·9		23·9	35·6	a	9·1
8·8		35·4	13·4		9·2
10·0		47·9	27·5		10·
10·0		49·9	26·0		
8·2	27	29·9	45·0	Cam	8·5
7·8	28	19·1	48·0	Gamtπ	8·5
7·6		33·1	19·5	Cal	8·2
9·4	29	12·8	31·8		9·4
9·4		43·8	13·1	a	9·2
7·8		59·8	18·0	Ca	7·7
10·0	30	32·3	17·0		9·6
7·4		37·3	47·5	Gbtlπ	7·8
9·2		54·8	7·9		9·5
8·2	31	43·3	14·7	Cam	8·5
10·0		54·8	33·2		
8·2	32	32·3	46·8	Cam	8·5
9·4		33·3	47·2		9·3
9·5	33	13·3	42·7		9·6
8·1		36·3	27·6	GC–tπ	7·5
9·5	34	3·3	51·0	C	9·3
9·4		6·3	15·4		9·4
10·0		53·3	55·9		9·7
10·0	35	2·8	52·4	C	9·5
10·0		19·3	10·3		9·5
6·4		41·3	26·0	GWπμβ	5·0
9·4		51·8	56·9		9·4
9·4	36	5·8	44·5		9·5
9·8		53·8	54·7		9·5
8·5		56·3	9·7	M=m	8·9
9·4	37	12·8	11·7		9·4
9·9		43·3	54·8		9·5
8·9	38	24·8	9·1	Mm	9·1
8·9	40	25·3	37·8	C–	8·8
25pr.	+1	24·1	+6·6		

8101—8160.

mag.	21h m	s	−19° ′		
10·0	40	28·0	15·5		9·5
8·9		44·3	24·2	C=	9·1
9·9	41	16·8	13·8		9·6
8·9		43·5	59·3	Cam	8·9
10·0		48·7	21·1		9·3
9·4	42	4·2	10·5		9·2
8·8		37·2	11·5		9·1
9·4		37·2	13·9	–	9·3
8·5	43	3·7	16·7	MC–	8·6
9·4	44	27·7	25·9		9·0
9·4		41·7	14·1		9·4
7·0		45·2	12·3	Gtlπμ	6·6
9·2		52·7	25·5	C	9·0
8·6	45	12·2	43·1	MCWm	9·0
9·4		31·0	58·7		9·6
9·8		57·7	35·0		9·5
9·9	46	3·7	36·9		9·5
8·7		4·7	44·2	CWam	8·8
9·6	47	17·4	23·8		9·5
10·4		50·1	7·9		9·6
10·4	48	10·6	36·8		
8·5		39·0	59·7	Ca	8·8
10·4		56·1	21·8		9·7
10·4	49	1·6	49·6		
9·8		48·1	40·6		9·3
7·8	50	8·6	46·9	Gatlπ	8·0
9·2		13·6	18·3	=	8·9
8·4		23·1	29·3	MC=	8·8
10·4		59·9	12·5		
9·8	51	2·1	45·4		9·8
9·6		4·1	34·3		9·5
9·8		12·0	44·1		
8·7		30·6	58·7	Ca	9·1
8·6		32·5	9·2	a	8·8
8·4	52	12·5	55·1	Cal	8·8
10·4		15·5	1·7		
9·8	53	9·0	20·6		9·8
10·0		13·0	21·1		
10·2		37·0	2·1		
10·0		49·0	13·8		
10·2	54	3·0	7·8		9·5
9·8		17·5	52·2		9·5
9·8		18·0	11·8		9·3
8·6		19·0	54·7	Ca	8·7
10·0		45·5	37·5		9·5
10·0		46·5	49·8	C	9·5
9·2	55	36·5	33·9		9·4
9·2		43·9	59·1		9·5
10·4	56	0·0	24·7		
9·8		23·0	25·0		9·6
9·8		28·7	56·3		9·7
9·8		50·0	51·8		9·6
10·4	57	18·5	8·7		
9·2		26·0	2·9		9·5
10·2		55·0	24·0		9·5
8·6		57·5	40·7	CW–	8·2
9·6	58	13·0	58·0		9·3
9·1		20·0	26·2	C	9·0
10·0		44·0	42·0		9·5
7·4		55·5	16·4	CWal	7·5
	+1	23·2	+7·1		

8161—8220.

mag.	21h.–22h. m	s	−19° ′		
9·1	59	2·0	32·1	CWa	9·0
9·6		44·0	30·5		9·3
9·8		46·0	31·4		
10·0		56·5	43·8		9·5
9·4	0	2·5	59·7		9·4
10·0		20·5	16·4		9·5
9·4	1	12·5	50·4		9·4
9·8		21·5	1·4		9·6
8·7		28·0	41·6	C	8·8
10·0		35·0	47·4		
5·6	2	7·2	7·6	GWlπβ	6·0
8·2		14·2	5·6	CWal	8·5
8·4		27·7	35·7	C	8·7
10·2		33·0	36·0		
8·8		36·2	3·2	a	9·0
8·7		36·7	3·6	al	8·8
10·4		50·2	37·7		
9·2	3	16·2	31·9		9·4
9·2		27·2	49·8	C	9·1
9·8	4	15·7	0·2		9·6
9·1		26·2	32·0	C	9·0
9·6		35·7	16·7	b	9·4
9·2		48·7	8·7	a	9·4
9·6	5	30·2	42·7		9·4
10·2		36·0	34·0		
8·8		36·7	52·4	C	9·1
10·4	6	0·7	7·9		9·8
9·8		27·2	11·4		9·7
9·8		35·9	59·5		9·8
9·8		44·0	43·2		9·8
9·6		50·8	43·3		9·7
9·2		52·9	4·3	Mam	9·2
9·6	7	12·9	13·2		9·8
9·8		27·8	50·9		
9·5		28·4	30·8		9·4
7·6		28·9	51·9	Caml	6·5
8·5		54·2	18·6	C	8·6
9·8	8	1·1	24·8	b	9·4
9·8		18·7	10·2		
10·2		54·2	6·8		9·8
8·6	9	3·5	40·7	C	9·1
10·4		7·2	18·1		
9·8		19·7	44·3		9·7
10·3	10	8·2	32·0		10·
9·0		29·2	25·1	C	9·2
9·8	11	3·6	39·9		9·8
9·5		26·6	49·3		9·4
10·0		30·6	26·2		10·
10·3		45·0	38·6		
9·6		54·0	43·1		9·7
9·6	12	44·3	30·4		9·4
10·0	13	34·8	22·6		
9·1		41·7	49·6	Ca	8·9
9·5		42·2	21·6		9·5
10·2		43·2	47·1	C	9·4
8·6	14	35·6	8·0	MCm	8·0
10·3	15	37·5	32·0		
8·6		49·3	58·8	Caml	8·7
10·3	16	6·4	47·3		
10·3	17	19·2	48·0		
	+1	22·4	+7·4		

8221—8280.

mag.	22h. m	s	−19° ′		
10·3	17	21·7	54·2		9·5
10·3		23·6	22·3		
10·3		46·7	43·4		10·
10·3	18	5·6	52·2		9·9
10·3		12·6	49·6		9·7
9·5		24·6	33·2	C	9·0
9·4		42·0	18·4		9·5
9·8		56·0	19·4		9·5
9·2	19	23·0	49·2	C	9·1
9·4		24·5	54·4	C	9·1
8·0		30·0	11·8	C	8·0
10·3		34·4	17·2		
9·4		39·9	18·4		9·2
9·1		51·4	39·1		9·4
8·8		56·4	17·0		9·0
9·6	20	2·9	38·4		9·6
10·0		5·4	56·4		
10·0		9·4	54·4		9·7
10·2		10·4	46·0		
8·5		13·6	58·5	Cal	8·5
8·8		21·4	53·8	C	9·0
9·0		32·4	34·6	C	9·2
10·3		36·4	47·3		
10·0		41·8	55·9		
10·3	21	42·2	44·9		
10·3	22	2·0	7·9		
9·0		2·1	21·2	MCm	9·1
10·0		6·6	32·3		
10·3		13·0	13·6		
9·4		51·0	39·4		9·5
9·5		55·0	0·4		9·8
9·5		55·0	39·8		9·7
9·1	23	3·5	31·4	CK	9·5
10·2		11·0	19·2		9·9
10·2		11·0	32·1		
9·5		18·0	39·1		9·8
9·4		18·0	2·8	am	9·3
10·2	24	2·8	35·8		9·8
8·5		4·3	49·4	Ca	8·7
9·0		20·8	42·6	C	9·1
9·5		21·8	9·0	Mm	9·5
10·3		40·2	32·9		
9·5		43·2	11·8		9·8
9·6		49·7	12·4		9·7
10·2	25	2·7	1·0		
10·3		3·0	43·1		
10·3		7·2	18·1		
10·3		21·7	23·4		
10·2		30·7	41·1		
9·5		41·6	36·6		9·8
9·5	26	16·6	10·8		9·7
9·4		32·3	54·1	Ca	9·2
8·2	27	24·1	19·7	CK	8·0
8·2		36·8	41·6	Ca	8·0
10·3		55·0	7·5		
10·2		55·0	2·2		9·8
8·2	28	24·0	3·8	a	8·3
10·2		44·7	32·0		9·9
9·4	30	6·2	38·5	C	9·4
9·0		10·7	31·9	Cb	9·2
	+1	21·7	+7·6		

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8281—8322.

mag.	22^h m	s	—19° ′		
10·3	30	23·2	48·9		9·6
9·8		53·2	18·6		
10·3	31	36·7	29·6		9·6
9·6		59·2	30·6		9·3
9·4	32	0·7	32·0	Cam	9·2
9·4		10·7	37·9	a	9·4
8·4		54·7	46·4	Cal	8·7
9·8	33	7·2	5·7		9·7
7·3		17·2	50·8	Ckal	6·7
9·6	34	1·2	32·5		9·3
8·3	35	7·2	12·8	am	8·5
8·7		17·2	5·3	Cam	8·6
9·4	36	46·7	41·0		9·4
6·5		51·7	28·8	Gklπβ	5·1
9·4	37	3·2	22·3		9·2
8·8		46·7	44·6	MCm	9·2
8·8		52·0	57·0	Ca	8·8
8·2	38	9·2	28·4	C	8·4
9·8		43·2	25·5		9·5
10·3	39	12·7	2·1		9·8
9·0	40	19·5	58·5	C	9·2
8·0		49·2	49·2	Ca	8·5
10·2	41	6·2	8·4		9·7
9·6		10·2	18·2		
8·8		28·2	41·1	Ca	9·0
9·2	42	6·2	45·0	Ca	9·2
8·2		10·7	16·2	C	8·8
9·6		40·2	3·7		9·0
9·4		46·7	28·0	C	9·2
9·4	43	45·2	42·0		9·8
8·2	44	13·7	24·0	C	8·5
8·5	45	29·2	26·9	Cl	8·7
9·4		30·9	36·6	a	9·2
7·3		53·9	41·9	GCaml	7·5
9·4	46	35·4	15·2		10·
10·3		43·9	14·3		9·5
7·7	47	22·8	50·4	GCal	6·4
9·0		43·9	42·4	Ca	9·2
8·4	48	14·7	58·6	Ca	8·6
10·3		21·0	19·0		9·8
9·6		56·9	25·7		9·5
10·3	49	8·7	25·1		9·4
25pr.	+1	20·8	+7·9		

8323—8364.

mag.	22^h.–23^h m	s	—19° ′		
9·4	49	26·9	2·1	a	9·1
10·1	50	14·6	14·1		9·7
9·8		56·0	36·7		9·6
8·7	51	17·5	2·0	–	8·8
8·5		22·5	38·3	Ca	8·7
7·7		24·5	22·3	Ca	8·7
7·6		32·0	3·5	Ca	8·6
8·7	52	7·5	16·4		9·3
9·2	53	5·0	34·9	C	9·1
9·2		16·5	46·2	C	9·1
8·8		28·5	9·0		9·1
9·6	54	32·9	51·6	C	9·1
8·2	55	27·9	8·2	Ca	8·7
7·7		38·4	36·9	C–	8·5
7·0		58·4	12·7	GCbl	7·0
8·4	56	17·4	18·6		9·1
8·7		28·4	6·0	a	9·1
7·8		45·2	59·1	Ca	8·5
9·9		55·2	35·5		9·2
8·2	58	15·7	45·9	Ca	8·9
10·1		27·2	25·3		9·8
9·2		33·7	2·1		9·2
8·2	59	2·7	2·2	–	8·7
9·7		21·2	19·5	a	9·4
9·4	0	17·2	14·7	a	9·2
9·6		31·2	51·1		9·5
8·5	1	24·7	52·9	Ca	8·7
9·7	2	2·7	47·9		9·3
7·4		5·4	25·6	Cbl	8·0
8·2		9·4	43·1	Ca	8·8
8·2		47·4	18·1		8·6
10·0	3	2·9	49·9	C	9·0
9·0		27·4	22·9	Ca	8·7
9·0	4	14·9	36·1	C–	9·0
9·4		23·4	24·5	a	9·4
8·6		25·9	19·6	Ca	8·7
10·0	5	12·5	38·1		9·8
9·2		22·5	10·9	a	9·4
9·4	6	2·0	26·7	C	9·3
9·7		17·0	8·8		9·5
9·2		21·0	56·6		9·2
10·1		33·8	11·8		9·7
	+1	20·0	+ 8·1		

8365—8406.

mag.	23^h m	s	—19° ′		
7·5	6	39·9	3·1	Cal	7·3
9·6	7	29·3	55·9	C	9·4
8·1		55·2	33·3	CWal	8·5
7·6	10	23·2	33·2	CWal	7·0
9·5		37·2	27·1	Ca	9·1
8·6	11	6·2	25·9	Ca	9·1
7·4		54·7	31·3	GCWal	7·0
8·4		57·2	4·5	a	8·5
8·8	12	34·6	22·7	a	9·1
7·8		52·6	14·3	CWal	8·6
8·9		53·1	8·2		9·1
9·6	13	13·6	2·2		9·8
10·2		22·1	54·9		9·8
9·3	14	13·1	55·2	C–	9·0
9·5		18·1	4·9		9·3
7·8		21·1	40·3	Ca	7·5
7·5		21·1	13·6	CWal	7·3
9·8	16	4·1	36·4		10·
8·3	17	10·1	47·7	Cal	8·2
7·1		32·6	22·5	Ga	6·7
9·5	18	28·6	29·3		9·4
10·2	20	13·6	55·5		9·8
9·6		23·1	35·6		10·
9·0		35·9	31·3	–	9·2
9·0	21	17·4	44·7	C	9·2
9·6		59·9	4·5		9·6
9·6	22	4·4	35·9		9·6
9·7		31·4	28·0	–	9·4
8·8	23	12·9	12·3	C–	8·8
9·6		22·9	17·1		9·4
8·8		27·4	22·9		9·3
8·4	24	4·4	23·1	C–	8·6
9·3		51·1	39·3		9·5
9·8	25	45·6	15·8		9·5
8·7		50·6	44·3	Ca	8·6
9·4	26	33·1	41·5	C	9·3
8·9		58·5	50·0	Ca	8·4
9·2	27	2·3	4·3		9·2
9·4		42·9	4·8	a	9·2
10·2	28	37·1	27·1		9·5
8·0		40·8	15·7	Cal	8·5
8·6	29	22·1	38·2	Ca	9·0
	+1	18·9	+ 8·2		

8407—8448.

mag.	23^h m	s	—19° ′		
9·6	30	32·1	45·3		9·5
9·6	31	55·8	59·8		9·6
9·0	32	59·1	46·0	Ca	9·0
9·0	33	26·6	31·5	C–	9·1
8·8		45·1	52·8	C	9·2
7·7	34	5·1	40·7	Gatlπ	7·8
9·4		42·2	48·1		9·6
9·2		54·2	14·0	–	9·3
9·2	35	4·7	38·1	C	9·5
9·0	38	4·7	28·6	Ca	9·1
9·6		11·7	0·1		9·5
5·7	39	31·7	22·4	GWlπβ	5·0
9·6	40	5·0	38·5		10·
8·8		8·7	1·7		9·1
8·5		11·7	26·9	Ca	9·1
8·3		38·7	51·9	Ca	8·3
9·2	41	44·7	46·1	a	9·3
8·0	42	2·7	34·7	Gbtlπ	8·0
8·0	44	41·3	44·6	Cb–l	8·5
5·0		53·8	36·2	GWlπβ	5·0
8·3	45	27·8	21·3	Cal	8·7
9·0		58·3	15·3		9·4
7·0	46	12·3	15·4	GWb–l	7·5
8·4	47	8·3	3·9		9·1
7·7		19·5	3·6	GCal	7·8
9·6	48	3·5	57·3	–	9·5
9·5		23·7	16·9		9·4
8·6		27·7	49·5	C–	8·5
9·0		28·8	26·1	a	9·0
9·2		31·4	59·0	C	94
9·2	50	51·3	5·3	a	9·0
9·5	51	37·8	39·9		9·4
9·5	52	7·8	39·0		9·4
8·2		45·3	14·1	C–	8·0
9·2	53	16·3	8·0		9·3
8·2		23·8	12·1	C–	8·5
8·6		23·8	26·9		9·1
9·8	54	28·7	33·0		9·3
9·5		49·2	42·1	Ca	9·0
9·8	55	9·7	50·1	C	9·2
9·4	59	3·2	17·1	–	9·1
9·4		47·2	59·9	C	9·1
	+1	17·5	+ 8·3		

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ZONE—20°.

1—30.

mag.	0h. m s	—20° ′		
9·3	0 1·9	45·1		9·5
9·4	28·4	36·5	C–	9·1
8·6	3 48·4	40·7	Ca	9·0
9·0	5 28·9	23·9	Ca	9·0
9·8	9 11·9	8·1		9·5
8·1	10 1·4	5·4	C≡	8·0
6·0	21·9	54·4	GCb–1	6·0
9·6	57·9	2·1		9·2
9·2	11 29·4	12·0		9·1
9·6	12 18·9	30·0		9·1
8·4	24·4	3·2	C	8·9
9·0	13 2·4	49·2	Ca	9·0
8·8	25·9	19·6	a	8·8
9·4	32·4	52·7		9·1
9·8	55·4	53·7		9·5
9·6	56·9	42·6		9·3
7·8	14 32·9	37·4	al	7·8
7·5	15 26·1	45·1	GWbl	5·5
9·8	47·6	53·0	a	9·1
9·6	17 40·6	36·0		9·3
8·5	18 28·1	32·6	C–	8·8
8·0	37·1	38·1	Ca	8·3
7·4	19 19·1	37·5	Cal	7·7
9·2	20 13·1	30·3		9·0
9·2	15·6	40·8		9·2
9·8	45·1	11·2		9·5
9·6	51·6	11·0		9·6
9·8	58·1	11·2		9·6
6·5	21 19·1	49·5	GCWbl	6·5
9·4	26·6	0·6	Ca	9·0
25pr.	+1 16·0	+8·3		

31—60.

mag.	0h. m s	—20° ′		
9·8	21 27·6	21·2		9·8
9·8	29·6	39·4		9·5
9·6	30·6	10·2		9·6
9·6	22 16·6	33·1		9·3
9·4	57·6	13·3		9·0
9·6	23 21·9	3·4		9·2
8·8	24 3·6	32·4	C=	8·6
9·8	37·1	44·9		9·6
8·6	26 27·1	29·8	C–	8·8
8·4	27 2·3	11·2	C=	8·0
10·0	29·1	16·1		9·8
8·6	28 10·3	1·4	Ca	8·6
10·0	19·3	41·1		9·6
10·0	29 59·8	21·2		9·2
10·0	30 14·8	53·0		9·8
10·0	52·8	8·9		9·4
9·6	53·0	56·9		9·3
9·0	58·3	24·1	C–	9·0
8·2	31 7·8	15·1	GCal	7·8
10·0	11·8	41·2		9·8
10·0	17·3	21·4		
9·8	23·3	1·4		10·
9·8	27·3	36·1		9·5
9·2	56·3	36·5		9·4
9·4	58·8	15·4		9·5
9·4	32 0·3	2·1		9·5
10·0	3·3	43·6		9·8
9·2	13·8	44·7		9·3
6·4	17·2	59·1	GCal	6·2
8·6	22·3	25·7	Ca	8·7
	+1 15·1	+8·3		

61—90.

mag.	0h. m s	—20° ′		
10·0	32 27·0	50·2		9·6
10·0	49·5	41·9		9·8
8·7	56·5	46·4	Cal	8·5
8·7	33 2·0	32·8	Ca	9·0
9·4	28·0	29·8		9·3
9·8	30·0	31·5		9·4
10·0	34 6·5	21·6		10·
10·0	56·0	32·7		9·7
8·4	35 3·0	32·9	Ca	8·9
9·6	12·0	6·8		9·5
8·4	15·8	59·2	Gatlπ	7·5
9·8	36 2·0	50·1		9·5
9·1	10·0	24·1		9·1
8·8	25·5	18·9	C–	9·0
7·8	27·5	52·8	GStlπ	7·0
9·8	34·0	48·1		9·1
8·4	37 42·6	55·9	Cb	8·8
9·6	43·0	51·0		9·9
10·0	38 1·6	5·1		9·9
10·0	20·6	26·6		
10·0	35·1	24·2		9·8
10·0	39 32·6	12·7		
9·1	40 8·1	46·7	C–	8·7
8·8	28·6	6·7	Ca	8·7
8·6	29·1	38·3	C	8·7
10·0	43·6	59·9		9·8
10·0	49·1	27·2		9·3
10·0	41 2·6	22·5		
8·6	6·6	38·7	C–	8·3
9·8	17·1	22·2		9·4
	+1 14·8	+8·2		

91—120.

mag.	0h. m s	—20° ′		
10·0	41 26·1	48·3		
10·0	49·1	6·1		9·5
10·0	42 31·6	44·9		9·8
10·0	32·4	5·1		10·
9·0	45·4	23·2	C	8·8
10·0	43 4·9	35·0		9·8
9·2	14·9	50·8		9·4
9·2	32·4	36·9		9·3
9·6	33·9	27·9	C	9·4
9·7	41·9	5·1		9·8
9·8	42·4	16·6		9·7
9·0	44 25·4	35·0		9·2
9·1	45 19·1	47·0		9·3
10·0	47·6	56·5		9·4
8·4	51·1	6·1	Ca	8·3
8·2	46 20·6	34·3	Ca	7·8
10·0	21·1	8·6		9·5
9·2	35·1	35·9		9·2
10·0	41·6	1·0		10·
9·6*	56·1	39·0		9·5
10·0	47 5·6	58·1		9·6
10·0	14·1	46·0		9·8
10·0	21·1	0·2		10·
10·0	25·1	46·0		9·5
9·4	39·1	0·4		9·3
10·0	46·1	6·0		
9·6	59·6	48·2		9·3
10·0	48 2·1	20·8		9·8
10·0	38·1	8·5		9·5
9·8	49 8·3	48·8		9·1
	+1 14·3	+8·2		

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121—180.

mag.	0h.–1h. m	s	—20° ′		
9·4	49	25·8	31·3		9·1
9·6		32·9	28·8		9·6
9·6	50	4·6	57·3		9·4
9·6		8·9	28·1		9·5
9·2		19·4	32·5		9·0
7·4		19·4	7·2	C=	7·8
9·6		58·4	0·2	a	9·0
9·4	51	0·4	30·5		9·2
8·8		26·9	38·3	C	8·8
9·1	52	9·6	59·8	Cb	8·8
7·9		33·4	18·3	Wal	7·0
7·9		52·4	0·1	Cal	7·8
9·4	53	58·5	41·2		9·2
8·4	54	9·5	57·0	C	8·5
8·1		17·5	3·7	Cbl	8·0
7·8		31·0	45·8	Cal	7·2
8·0	55	36·5	5·2	Ca	8·0
7·9		57·5	20·3	Ca	8·2
9·0	56	1·8	57·2		9·2
9·6	57	3·5	55·2		9·8
9·3	58	11·5	27·4		9·3
9·4		54·0	36·4		9·3
7·8	59	5·2	31·4	C–	8·2
9·2		30·2	14·3	C	9·0
9·4		43·7	27·5		9·5
8·4		54·2	15·3	C	8·5
8·2	0	8·2	43·7	C–	8·5
8·4		21·7	43·5	C	9·0
9·6	1	5·4	58·7		10·
9·2		57·7	44·4		9·1
9·2	2	2·5	41·8		9·4
8·6		52·0	2·4	a	9·0
8·8		53·5	53·5	a	9·0
8·4	3	25·0	3·4	Ca	8·4
8·5		39·5	53·0	Cb	9·0
9·6	4	14·0	42·5	a	9·3
9·4		56·0	26·1		9·5
8·6	5	19·5	14·8	a	8·8
9·0		19·7	57·9		9·1
9·0		36·5	19·3	Ca	9·1
9·3		45·2	12·9		9·7
9·6	6	35·7	3·9		9·7
8·8	7	33·7	40·5	Ca	8·5
9·4	8	44·9	53·9		9·4
8·7		58·2	20·7	Ca	8·6
8·4	9	59·7	27·9	Ca	8·3
8·0	10	39·5	46·0	Cbl	8·3
9·0	11	58·5	18·0		9·0
8·0	12	24·5	51·0	Ca	7·5
7·7		29·5	1·4	C	7·8
9·2		34·0	23·0		9·0
9·0	13	3·2	11·8		9·1
9·6		6·2	34·7		9·2
9·3		13·2	46·1		9·2
9·6	14	3·7	31·3		9·2
9·7		23·7	11·8		9·1
7·6		24·2	35·8	Cal	7·3
9·7	15	43·2	20·9		9·3
8·6	16	15·7	13·9	Ca	8·5
8·6	17	21·9	58·5	a	8·9
25pr.	+1	13·5	+8·1		

181—240.

mag.	1h.–2h. m	s	—20° ′		
8·4	17	23·4	14·6	a	8·8
9·4	18	14·4	29·8		9·8
8·2		15·9	11·2	Ca	8·2
9·2	19	34·9	42·2		9·1
9·8		42·8	40·4		9·3
8·0	20	47·9	17·5	C	8·3
8·2	22	1·9	27·2	Ca	8·5
9·8		3·8	27·4		9·6
8·3	23	19·4	21·4	Ca	8·9
8·3		33·4	27·8	a	9·0
8·0		59·2	14·7	Cal	8·5
8·3	25	22·7	26·9	Ca	8·8
9·7		54·7	7·9		9·3
8·3	26	20·7	15·0	Ca	8·7
9·8		55·7	13·2		9·8
9·2	27	10·2	24·4		9·1
8·2		23·7	44·9	Ca	8·8
9·0	28	49·6	59·5		9·0
9·4	29	12·0	54·1	C	9·0
8·0	31	12·9	0·6	Cb	7·8
9·6	34	29·9	45·9		9·2
9·6		31·9	15·9	a	9·0
8·4		40·4	43·7	C	8·7
8·4		52·1	59·9	Ca	8·7
8·4	35	1·9	9·2	Ca	9·0
8·6		18·4	34·3	Ca	8·7
9·6		49·9	28·3		9·4
7·6	36	37·4	48·2	Cbl	7·0
9·6	37	11·4	37·3		9·2
7·8		32·4	2·1	Ca	8·3
9·6	38	32·9	2·1		9·3
8·0		49·4	46·7	Ca	8·5
9·0	39	10·4	40·7	C }	9·0
9·6		11·4	40·7	}	
9·0	44	21·9	30·1	C	8·7
9·0		24·9	48·8	C	8·9
8·6		36·4	39·7	C	8·7
9·6	46	25·9	28·7		9·3
7·8		53·9	7·2	Cal	7·5
9·6	47	16·4	23·8		9·4
9·4		39·9	11·8		9·1
10·0		48·5	20·8		9·5
10·0	49	47·0	47·0		9·3
9·8	50	22·5	2·9		9·3
9·4		24·0	19·4		9·3
10·0		42·5	28·3		9·5
9·0	52	46·5	22·0		9·1
8·8	53	50·5	48·8	C	8·7
10·0	54	42·5	51·0		9·4
9·3	56	2·4	19·7		9·1
10·0		33·9	6·7		9·5
9·0		40·9	55·1	C	8·8
9·3		58·9	13·9		9·0
8·8	57	51·9	29·2		8·9
10·0	1	31·4	21·0		9·8
7·6	3	24·4	9·7	al	7·3
10·0		45·4	49·0		9·5
8·7		49·4	12·0	Ca	8·7
9·0		57·4	52·0		8·8
9·4	4	30·4	59·2		9·3
	+1	11·6	+7·6		

241—300.

mag.	2h. m	s	—20° ′		
8·4	4	43·4	47·1	Ca	8·5
8·4	5	45·0	9·2	C	8·8
9·0		59·0	1·3		9·0
9·3	6	12·3	58·8		9·1
10·0	7	1·5	4·8		9·5
8·7		19·2	40·2	Ca	8·9
10·0		53·0	53·9		9·6
8·4		54·2	7·8	Ca	8·6
10·0	8	41·0	46·0		9·5
9·0	9	45·9	34·7		9·2
9·1	10	11·4	41·3		9·2
9·4		36·9	38·6		9·1
9·4		56·9	25·0		9·3
9·8		56·9	49·4		9·8
9·8	11	13·4	28·6		9·4
7·5		20·9	34·5	Cbl	8·0
8·2		44·9	9·9	Ca	8·6
9·4	12	25·1	33·0		9·3
9·4		49·6	18·9		9·3
7·6	13	3·1	6·6	Cal	7·2
8·2	14	9·6	36·5	Ca	8·3
9·8		41·6	56·9		
9·2	15	15·6	33·9		9·1
7·0		23·6	29·3	GCa	6·7
9·1		39·6	53·6	C	8·9
9·0	16	3·6	55·5		9·0
8·0	18	53·6	36·3	Ca	8·1
9·2	19	7·3	51·0	C	9·0
9·5		18·3	52·2		9·4
9·0		20·3	23·7	C	9·0
8·4		53·3	52·1	C	8·8
8·6	20	3·3	48·0	C	9·0
9·4		16·3	35·3		9·3
6·7		46·8	36·6	GCbl	6·0
9·4	21	24·3	34·8		9·5
7·4	22	54·3	21·5	Cbl	7·8
8·6	23	10·3	32·8	C	8·5
9·8	25	59·0	26·7		9·5
9·2	26	49·0	43·4	C	9·0
8·6	27	8·6	53·4		9·3
9·8		11·7	22·0		
8·7		25·7	12·5		9·0
9·8		39·7	55·0		9·3
7·3		53·7	33·1	GCbl	6·7
8·1	28	0·5	9·9	C	8·5
8·0		18·0	33·2	C	8·7
9·4	29	24·2	17·0		9·2
9·1		31·5	34·0		9·4
9·9		52·5	19·1		9·3
9·9		59·0	5·8		9·5
9·0	30	2·5	26·0	a	9·1
9·2		37·5	21·0	Ca	8·9
9·0		46·5	21·7	Ca	9·0
7·3	31	4·6	39·9	GCa	7·2
9·6		5·0	30·8		9·3
10·0		21·8	59·9		9·5
9·0	32	22·1	43·7	C	8·9
7·6		49·3	59·8	GCal	6·8
9·6	33	19·6	47·8		9·4
8·0		32·1	42·6	Cal	8·2
	+1	9·7	+6·8		

301—360.

mag.	2h.–3h. m	s	—20° ′		
7·4	33	56·1	57·7	GCal	7·5
9·8	35	35·6	13·4		9·3
8·6		49·6	6·7	Ca	9·0
9·0	36	9·1	44·0	C	8·8
10·0		49·1	56·3		9·3
9·2	37	8·1	35·1		9·0
8·0		12·6	49·3	Cbl }	7·5
9·1		13·1	49·7	}	
6·6	39	35·1	55·9	GCbl	7·0
8·7		52·6	35·7		8·9
9·9	40	30·1	48·6		9·2
10·0		50·1	41·9		9·4
8·6	42	27·1	29·4	C	8·6
9·5		28·1	6·6		9·4
8·2	44	1·1	45·9	Cal	8·6
8·2		4·6	45·9	Cal	8·2
8·6		31·6	0·0	C	9·2
8·6		35·1	0·0		9·3
7·9		48·6	38·6	Ca	8·2
9·3	46	33·6	36·4		9·2
8·6		45·6	41·5	C	8·8
9·6		53·1	8·1		9·2
8·4	48	41·0	37·7	Ca	8·5
9·8	49	11·0	53·6		9·6
9·8		34·4	38·9		9·2
8·0		59·4	15·8	Cbl	7·5
8·6	50	23·9	20·8	C	9·3
9·4		28·8	42·7		9·3
9·6		36·3	19·9		9·5
9·8	52	9·8	3·0		9·8
9·6	53	39·3	35·1		9·4
9·8	54	4·8	23·0		
9·0		19·3	15·7		9·1
9·8		22·8	22·1		9·4
9·8	55	1·3	1·1		9·5
9·0		43·3	28·9		9·0
9·4		57·3	55·3		9·1
8·6	56	34·8	23·9	C	8·8
9·2		35·8	35·7		9·2
9·4		54·8	58·1	a	9·1
9·8	57	18·8	18·1		9·5
8·6		34·8	5·5	C	8·5
8·9		41·3	42·7	Cka	8·4
8·4		54·3	4·5	C	9·0
9·0	0	15·0	52·9		9·1
9·4	2	19·0	2·5		9·2
9·0		36·5	53·9	Cbl	8·5
8·5		39·0	9·4	a	8·8
8·4	3	57·0	29·2	Ca	7·9
8·9	4	48·0	40·3		8·9
9·8		54·0	4·9		9·4
8·0	5	2·0	35·1	Cal	7·2
10·0	7	19·6	13·0		9·4
6·6		20·3	29·9	GCal	6·5
9·8	8	2·9	23·9		
9·4		28·4	58·1		9·1
8·8		33·5	9·8		9·1
9·2	9	16·6	59·2	a	8·6
9·8		34·4	27·9		
6·5		36·4	29·0	Gbl	6·7
	+1	8·2	+6·1		

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361—420.

mag.	3h. m	s	—20° ′		
10.0	9	59.9	25.9		
10.0	10	37.4	15.9		
10.0		54.4	37.9		9.7
8.3		58.4	41.8		8.9
9.6	11	11.4	24.1		9.3
10.0	12	5.4	39.1		10.
9.6		25.4	11.7		9.3
9.4	13	6.5	57.6		9.2
10.0		7.4	24.4		9.6
10.0		51.4	9.5		9.5
9.2	14	24.0	56.1	C	8.8
10.0		45.0	44.3		9.7
9.2		48.5	10.2	Ca	9.0
10.0		56.5	16.7		9.6
10.0		58.5	46.1		9.6
9.8	15	3.7	57.9		9.5
10.0	16	4.5	10.7		9.5
6.4		5.0	46.4	GCal	6.6
8.8		23.0	29.7	Ca	8.5
9.8	17	34.5	30.4		9.6
10.0	18	6.5	16.1		9.6
9.2	19	4.5	44.9	Ca	9.0
9.6		17.5	46.1		9.3
9.2		43.0	11.6		9.5
8.8	20	0.5	46.5		9.3
9.2		7.5	19.8		9.4
9.6		45.0	28.1		9.2
9.6	21	28.0	27.6		9.6
10.0		46.5	46.6		9.8
8.5	22	12.0	15.0	Cbl	8.0
9.2		22.5	39.6	a	9.0
8.4		30.0	11.2	C	8.5
8.8	23	18.0	24.8		9.0
9.8		28.6	53.3		9.5
9.0	24	19.6	3.5		8.9
9.6		34.1	30.3		9.5
10.0	25	1.6	12.0		9.4
10.0		3.1	43.4		9.4
9.6		11.6	15.9		9.2
9.2		19.3	25.6		9.2
9.8		38.8	36.9		9.3
8.5	26	20.3	47.6	C	8.0
9.0		20.3	10.1		9.2
8.8	28	6.0	29.7	Ca	8.6
9.6		21.8	34.7		9.1
7.8		23.3	47.5	Cb	8.3
10.0		26.9	48.1		9.8
10.0		28.3	2.3		9.4
10.0		36.9	5.1		9.5
10.0		55.9	31.4		9.8
10.0	29	0.1	21.8		10.
9.8		21.6	15.4	a	8.9
9.7	30	3.1	0.6		9.2
10.0		6.1	7.2		9.4
8.6		11.9	26.2	Ca	8.7
8.0		20.4	34.1	Ca	8.2
8.6	32	11.4	52.9	Ca	:8.5
9.8		13.4	42.1		9.2
9.4		20.9	10.0		9.3
10.0		22.4	42.0		9.8
25pr.	+1	7.1	+5.3		

421—480.

mag.	3h. m	s	—20° ′		
8.1	33	15.4	37.4	Cal	7.3
8.0		50.9	59.9	Cb	8.0
8.6		54.9	31.1	a	8.5
7.8	34	36.9	0.0	GCal	6.5
10.0	35	53.3	40.8		9.4
10.0	36	1.3	33.7		9.5
9.0		3.0	46.1	C	8.5
8.6	37	7.0	56.8	C	8.3
9.7	38	10.5	31.3		9.2
9.7		52.8	40.7		9.2
9.2		57.8	52.2		9.2
6.9	39	48.8	55.0	Cb−l	7.3
8.6		57.3	38.5	Cbl	8.7
10.0	40	34.3	5.9		9.5
9.8	41	31.6	36.0		9.2
10.0		41.8	20.1		9.8
9.7	42	11.3	14.4		9.7
9.2		25.1	28.5		9.3
8.6		29.1	3.0	C	9.0
9.2		36.1	12.1		9.3
8.5		51.1	47.9	Ca	8.4
9.2		56.1	56.1	Ca	9.0
8.6	43	51.6	19.0	Ca	9.0
8.9	44	3.6	4.8		9.0
8.3		13.1	48.5	Ca	8.5
10.0		17.9	47.9		
9.2		19.4	26.1	a	9.0
9.0		40.9	10.4	C	8.5
8.8		54.4	29.9	a	9.2
10.0	45	17.4	30.8		
9.7	46	24.4	8.5		9.5
9.0	47	1.0	30.0	Ca	8.5
9.6		22.4	26.0	a	9.2
9.4		37.0	16.7	a	9.0
9.0		49.0	35.0	a	8.8
9.6	48	16.4	14.6		9.5
8.0	49	4.5	49.9	Ca	8.0
7.9		12.7	10.8	Cal	8.5
7.7		16.7	51.4	Ca	8.5
8.7		20.9	19.8	Cal	8.7
9.3	51	1.4	41.6		9.0
10.0		33.4	36.4		9.5
9.6		47.9	45.5		9.7
9.1	52	10.9	15.9		9.2
8.4		12.0	37.9	Ca	8.6
9.9		16.0	44.2		9.5
8.6	53	29.5	29.5	a	9.0
9.8		42.0	37.7		9.7
9.6		52.5	16.3		9.3
7.7		54.5	41.2	Cal	7.2
9.6		59.0	5.2		9.8
8.2	55	22.5	41.2	Cal	8.3
9.6		33.0	0.0		9.3
7.5	56	21.6	49.6	Cal	7.8
9.6		31.6	47.6		9.5
9.0	57	13.6	14.0		9.0
8.0		23.6	51.2	Cal	7.7
7.7		39.1	51.2	Ca	8.0
5.8		53.9	29.4	GCbl	6.0
7.7	58	5.9	30.2	GCbl	7.0
	+1	6.4	+4.6		

481—540.

mag.	3h.–4h. m	s	—20° ′		
8.3	58	18.4	33.9	Cbl	8.0
9.3		29.9	27.4		9.0
9.8		41.4	46.9		9.7
9.2		49.4	57.4	a	8.7
6.7	59	11.4	43.5	GCal	6.0
10.0		21.4	6.5		9.7
9.1		54.6	21.9		9.3
9.1		59.1	4.3		9.1
7.0	0	17.1	51.1	GCWal	7.0
9.8		35.1	50.4		9.7
9.3	1	1.1	34.8		9.1
10.0		5.1	44.0		9.7
8.7		18.1	48.9	a	9.0
9.6		25.1	11.5		9.8
9.6	2	7.8	52.3		9.2
9.1		43.3	31.0		9.0
9.6		44.8	13.7		9.5
8.4		55.3	49.6	Cbl	8.4
8.2	3	11.8	23.7	Cbl	8.2
9.4		28.8	57.1		9.1
8.2		35.8	36.5	Cbl	8.4
8.4		49.6	44.8	C	8.8
8.6	4	1.6	39.8		9.1
9.0		14.6	48.0		9.5
9.1	5	34.6	22.6	Ca	8.7
9.4		51.1	7.5		9.1
7.5	6	4.6	40.0	Cal	8.6
5.8		7.1	41.0	GCal	6.1
9.6		35.6	48.5	a	9.1
9.1	7	1.7	39.3		9.1
8.8		16.8	14.4	Ca	9.0
9.5		22.8	41.7		9.4
10.0		26.3	32.2		
8.2		29.8	10.5	Ca	8.7
9.9		33.3	24.9		9.6
9.8	8	30.3	6.2		9.4
9.7	9	6.8	41.5		9.7
8.8		41.8	18.2	C	8.6
10.0		56.3	41.7		
9.5	10	51.8	43.2		9.5
10.0	11	10.8	15.8		
10.0		24.3	1.7		9.5
10.2		40.7	58.5		
9.9		47.3	14.8		9.3
9.7		51.3	38.4		9.5
9.8	12	9.3	31.5		
9.6		10.8	24.5		9.5
10.0		18.3	42.1		
8.6		18.8	11.4	C	8.8
9.5		35.3	0.9		9.4
8.8		36.3	54.0		9.1
10.0		54.3	19.7		9.5
10.0	13	8.3	6.8		9.8
8.8		11.3	37.8	C	8.9
10.2		27.8	20.5		
9.8		49.5	46.3		9.5
10.2		54.5	7.0		
9.2	14	7.5	35.2		9.2
10.2		13.5	7.5		
10.2		22.5	10.8		9.4
	+1	5.8	+4.0		

541—600.

mag.	4h. m	s	—20° ′		
9.5	14	26.0	10.3	a	9.2
10.2		47.8	20.3		9.8
10.2	15	2.3	50.8		
4.8		12.3	56.5	Gbl	5.0
9.0		19.8	52.3		9.1
9.9		25.8	41.7		
8.8		29.8	7.2	Ca	8.7
8.5		48.3	28.8	C	8.3
10.2	16	2.3	41.6		
10.0		3.3	2.7		
8.8		9.8	23.2		9.3
10.2		17.3	44.3		
9.5		21.3	27.9		9.5
7.6	17	18.3	32.2	C	7.8
9.7		38.8	35.9		9.8
8.0	18	8.8	33.9	CWbl	7.8
9.1		18.3	19.9		8.8
9.1		33.3	52.9	C	8.3
8.0		39.3	24.2	Cbl	8.3
10.2		57.8	44.3		
10.2	19	7.3	2.5		
10.2		12.8	24.5		
8.8		14.8	55.1		8.8
9.4		22.8	38.0		9.6
9.2		33.3	19.5		9.3
9.9		42.3	56.9		9.4
9.8	20	26.8	18.3		9.7
9.4		32.5	15.3		9.4
10.2		42.5	9.2		
9.0		53.0	53.9		9.2
9.5		53.5	36.9		9.2
10.2	21	39.5	41.9		
8.0		56.5	39.2	Ca	8.3
10.0	22	33.3	6.5		9.8
9.6		35.5	30.5		9.0
9.6		55.5	42.2		9.2
10.2	23	9.0	16.1		
10.2		18.5	14.6		
10.0		30.5	34.5		9.5
10.0		33.0	54.6		9.4
10.2		55.9	15.7		9.5
8.8		56.0	44.6	C	8.5
10.2	24	16.0	0.9		
9.1		26.0	7.2		9.2
8.8		36.5	56.4		9.2
10.2		38.4	48.3		9.8
10.2	25	17.6	1.1		9.8
10.2		21.8	23.7		
9.7		41.3	30.1		9.5
9.4		44.8	51.0		9.4
8.8		49.8	57.4		9.2
9.8	26	2.3	26.9		9.8
9.5		13.3	16.3		9.1
10.2		31.3	9.7		
8.0		33.8	58.1	Cal	6.5
10.2		40.8	44.5		
8.8		53.3	7.5	a	9.0
10.2		56.8	10.3		
10.2		59.8	20.8		
9.2	27	41.8	29.7		9.3
	+1	5.5	+3.5		

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121—180.

mag.	0^h—1^h. m	s	—20° ′		
9·4	49	25·8	31·3		9·1
9·6		32·9	28·8		9·6
9·6	50	4·6	57·3		9·4
9·6		8·9	28·1		9·5
9·2		19·4	32·5		9·0
7·4		19·4	7·2	C=	7·8
9·6		58·4	0·2	a	9·0
9·4	51	0·4	30·5		9·2
8·8		26·9	38·3	C	8·8
9·1	52	9·6	59·8	Cb	8·8
7·9		33·4	18·3	Wal	7·0
7·9		52·4	0·1	Cal	7·8
9·4	53	58·5	41·2		9·2
8·4	54	9·5	57·0	C	8·5
8·1		17·5	3·7	Cbl	8·0
7·8		31·0	45·8	Cal	7·2
8·0	55	36·5	5·2	Ca	8·0
7·9		57·5	20·3	Ca	8·2
9·0	56	1·8	57·2		9·2
9·6	57	3·5	55·2		9·8
9·3	58	11·5	27·4		9·3
9·4		54·0	36·4		9·3
7·8	59	5·2	31·4	C–	8·2
9·2		30·2	14·3	C	9·0
9·4		43·7	27·5		9·5
8·4		54·2	15·3	C	8·5
8·2	0	8·2	43·7	C–	8·5
8·4		21·7	43·5	C	9·0
9·6	1	5·4	58·7		10·
9·2		57·7	44·4		9·1
9·2	2	2·5	41·8		9·4
8·6		52·0	2·4	a	9·0
8·8		53·5	53·5	a	9·0
8·4	3	25·0	3·4	Ca	8·4
8·5		39·5	53·0	Cb	9·0
9·6	4	14·0	42·5	a	9·3
9·4		56·0	26·1		9·5
8·6	5	19·5	14·8	a	8·8
9·0		19·7	57·9		9·1
9·0		36·5	19·3	Ca	9·1
9·3		45·2	12·9		9·7
9·6	6	35·7	3·9		9·7
8·8	7	33·7	40·5	Ca	8·5
9·4	8	44·9	53·9		9·4
8·7		58·2	20·7	Ca	8·6
8·4	9	59·7	27·9	Ca	8·3
8·0	10	39·5	46·0	Cbl	8·3
9·0	11	58·5	18·0		9·0
8·0	12	24·5	51·0	Ca	7·5
7·7		29·5	1·4	C	7·8
9·2		34·0	23·0		9·0
9·0	13	3·2	11·8		9·1
9·6		6·2	34·7		9·2
9·3		13·2	46·1		9·2
9·6	14	3·7	31·3		9·2
9·7		23·7	11·8		9·1
7·6		24·2	35·8	Cal	7·3
9·7	15	43·2	20·9		9·3
8·6	16	15·7	13·9	Ca	8·5
8·6	17	21·9	58·5	a	8·9
25pr.	+1	13·5	+8·1		

181—240.

mag.	1^h—2^h. m	s	—20° ′		
8·4	17	23·4	14·6	a	8·8
9·4	18	14·4	29·8		9·8
8·2		15·9	11·2	Ca	8·2
9·2	19	34·9	42·2		9·1
9·8		42·8	40·4		9·3
8·0	20	47·9	17·5	C	8·3
8·2	22	1·9	27·2	Ca	8·5
9·8		3·8	27·4		9·6
8·3	23	19·4	21·4	Ca	8·9
8·3		33·4	27·8	a	9·0
8·0		59·2	14·7	Cal	8·5
8·3	25	22·7	26·9	Ca	8·8
9·7		54·7	7·9		9·3
8·3	26	20·7	15·0	Ca	8·7
9·8		55·7	13·2		9·8
9·2	27	10·2	24·4		9·1
8·2		23·7	44·9	Ca	8·8
9·0	28	49·6	59·5		9·0
9·4	29	12·0	54·1	C	9·0
8·0	31	12·9	0·6	Cb	7·8
9·6	34	29·9	45·9		9·2
9·6		31·9	15·9	a	9·0
8·4		40·4	43·7	C	8·7
8·4		52·1	59·9	Ca	8·7
8·4	35	1·9	9·2	Ca	9·0
8·6		18·4	34·3	Ca	8·7
9·6		49·9	28·3		9·4
7·6	36	37·4	48·2	Cbl	7·0
9·6	37	11·4	37·3		9·2
7·8		32·4	2·1	Ca	8·3
9·6	38	32·9	2·1		9·3
8·0		49·4	46·7	Ca	8·5
9·0	39	10·4	40·7	C }	9·0
9·6		11·4	40·7	}	
9·0	44	21·9	30·1	C	8·7
9·0		24·9	48·8	C	8·9
8·6		36·4	39·7	C	8·7
9·6	46	25·9	28·7		9·3
7·8		53·9	7·2	Cal	7·5
9·6	47	16·4	23·8		9·4
9·4		39·9	11·8		9·1
10·0		48·5	20·8		9·5
10·0	49	47·0	47·0		9·3
9·8	50	22·5	2·9		9·3
9·4		24·0	19·4		9·3
10·0		42·5	28·3		9·5
9·0	52	46·5	22·0		9·1
8·8	53	50·5	48·8	C	8·7
10·0	54	42·5	51·0		9·4
9·3	56	2·4	19·7		9·1
10·0		33·9	6·7		9·5
9·0		40·9	55·1	C	8·8
9·3		58·9	13·9		9·0
8·8	57	51·9	29·2		8·9
10·0	1	31·4	21·0		9·8
7·6	3	24·4	9·7	al	7·3
10·0		45·4	49·0		9·5
8·7		49·4	12·0	Ca	8·7
9·0		57·4	52·0		8·8
9·4	4	30·4	59·2		9·3
	+1	11·6	+7·6		

241—300.

mag.	2^h. m	s	—20° ′		
8·4	4	43·4	47·1	Ca	8·5
8·4	5	45·0	9·2	C	8·8
9·0		59·0	1·3		9·0
9·3	6	12·3	58·8		9·1
10·0	7	1·5	4·8		9·5
8·7		19·2	40·2	Ca	8·9
10·0		53·0	53·9		9·6
8·4		54·2	7·8	Ca	8·6
10·0	8	41·0	46·0		9·5
9·0	9	45·9	34·7		9·2
9·1	10	11·4	41·3		9·2
9·4		36·9	38·6		9·1
9·4		56·9	25·0		9·3
9·8		56·9	49·4		9·8
9·8	11	13·4	28·6		9·4
7·5		20·9	34·5	Cbl	8·0
8·2		44·9	9·9	Ca	8·6
9·4	12	25·1	33·0		9·3
9·4		49·6	18·9		9·3
7·6	13	3·1	6·6	Cal	7·2
8·2	14	9·6	36·5	Ca	8·3
9·8		41·6	56·9		
9·2	15	15·6	33·9		9·1
7·0		23·6	29·3	GCa	6·7
9·1		39·6	53·6	C	8·9
9·0	16	3·6	55·5		9·0
8·0	18	53·6	36·3	Ca	8·1
9·2	19	7·3	51·0	C	9·0
9·5		18·3	52·2		9·4
9·0		20·3	23·7	C	9·0
8·4		53·3	52·1	C	8·8
8·6	20	3·3	48·0	C	9·0
9·4		16·3	35·3		9·3
6·7		46·8	36·6	GCbl	6·0
9·4	21	24·3	34·8		9·5
7·4	22	54·3	21·5	Cbl	7·8
8·6	23	10·3	32·8	C	8·5
9·8	25	59·0	26·7		9·5
9·2	26	49·0	43·4	C	9·0
8·6	27	8·6	53·4		9·3
9·8		11·7	22·0		
8·7		25·7	12·5		9·0
9·8		39·7	55·0		9·3
7·3		53·7	33·1	GCbl	6·7
8·1	28	0·5	9·9	C	8·5
8·0		18·0	33·2	C	8·7
9·4	29	24·2	17·0		9·2
9·1		31·5	34·0		9·4
9·9		52·5	19·1		9·3
9·9		59·0	5·8		9·5
9·0	30	2·5	26·0	a	9·1
9·2		37·5	21·0	Ca	8·9
9·0		46·5	21·7	Ca	9·0
7·3	31	4·6	39·9	GCa	7·2
9·6		5·0	30·8		9·3
10·0		21·8	59·9		9·5
9·0	32	22·1	43·7	C	8·9
7·6		49·3	59·8	GCal	6·8
9·6	33	19·6	47·8		9·4
8·0		32·1	42·6	Cal	8·2
	+1	9·7	+6·8		

301—360.

mag.	2^h—3^h. m	s	—20° ′		
7·4	33	56·1	57·7	GCal	7·5
9·8	35	35·6	13·4		9·3
8·6		49·6	6·7	Ca	9·0
9·0	36	9·1	44·0	C	8·8
10·0		49·1	56·3		9·3
9·2	37	8·1	35·1		9·0
8·0		12·6	49·3	Cbl }	7·5
9·1		13·1	49·7	}	
6·6	39	35·1	55·9	GCbl	7·0
8·7		52·6	35·7		8·9
9·9	40	30·1	48·6		9·2
10·0		50·1	41·9		9·4
8·6	42	27·1	29·4	C	8·6
9·5		28·1	6·6		9·4
8·2	44	1·1	45·9	Cal	8·6
8·2		4·6	45·9	Cal	8·2
8·6		31·6	0·0	C	9·2
8·6		35·1	0·0		9·3
7·9		48·6	38·6	Ca	8·2
9·3	46	33·6	36·4		9·2
8·6		45·6	41·5	C	8·8
9·6		53·1	8·1		9·2
8·4	48	41·0	37·7	Ca	8·5
9·8	49	11·0	53·6		9·6
9·8		34·4	38·9		9·2
8·0		59·4	15·8	Cbl	7·5
8·6	50	23·9	20·8	C	9·3
9·4		28·8	42·7		9·3
9·6		36·3	19·9		9·5
9·8	52	9·8	3·0		9·8
9·6	53	39·3	35·1		9·4
9·8	54	4·8	23·0		
9·0		19·3	15·7		9·1
9·8		22·8	22·1		9·4
9·8	55	1·3	1·1		9·5
9·0		43·3	28·9		9·0
9·4		57·3	55·3		9·1
8·6	56	34·8	23·9	C	8·8
9·2		35·8	35·7		9·2
9·4		54·8	58·1	a	9·1
9·8	57	18·8	18·1		9·5
8·6		34·8	5·5	C	8·5
8·9		41·3	42·7	Cka	8·4
8·4		54·3	4·5	C	9·0
9·0	0	15·0	52·9		9·1
9·4	2	19·0	2·5		9·2
9·0		36·5	53·9	Cbl	8·5
8·5		39·0	9·4	a	8·8
8·4	3	57·0	29·2	Ca	7·9
8·9	4	48·0	40·3		8·9
9·8		54·0	4·9		9·4
8·0	5	2·0	35·1	Cal	7·2
10·0	7	19·6	13·0		9·4
6·6		20·3	29·9	GCal	6·5
9·8	8	2·9	23·9		
9·4		28·4	58·1		9·1
8·8		33·5	9·8		9·1
9·2	9	16·6	59·2	a	8·6
9·8		34·4	27·9		
6·5		36·4	29·0	Gbl	6·7
	+1	8·2	+6·1		

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361—420.

mag.	3h. m	s	—20° ′		
10.0	9	59.9	25.9		
10.0	10	37.4	15.9		
10.0		54.4	37.9		9.7
8.3		58.4	41.8		8.9
9.6	11	11.4	24.1		9.3
10.0	12	5.4	39.1		10.
9.6		25.4	11.7		9.3
9.4	13	6.5	57.6		9.2
10.0		7.4	24.4		9.6
10.0		51.4	9.5		9.5
9.2	14	24.0	56.1	C	8.8
10.0		45.0	44.3		9.7
9.2		48.5	10.2	Ca	9.0
10.0		56.5	16.7		9.6
10.0		58.5	46.1		9.6
9.8	15	3.7	57.9		9.5
10.0	16	4.5	10.7		9.5
6.4		5.0	46.4	GCal	6.6
8.8		23.0	29.7	Ca	8.5
9.8	17	34.5	30.4		9.6
10.0	18	6.5	16.1		9.6
9.2	19	4.5	44.9	Ca	9.0
9.6		17.5	46.1		9.3
9.2		43.0	11.6		9.5
8.8	20	0.5	46.5		9.3
9.2		7.5	19.8		9.4
9.6		45.0	28.1		9.2
9.6	21	28.0	27.6		9.6
10.0		46.5	46.6		9.8
8.5	22	12.0	15.0	Cbl	8.0
9.2		22.5	39.6	a	9.0
8.4		30.0	11.2	C	8.5
8.8	23	18.0	24.8		9.0
9.8		28.6	53.3		9.5
9.0	24	19.6	3.5		8.9
9.6		34.1	30.3		9.5
10.0	25	1.6	12.0		9.4
10.0		3.1	43.4		9.4
9.6		11.6	15.9		9.2
9.2		19.3	25.6		9.2
9.8		38.8	36.9		9.3
8.5	26	20.3	47.6	C	8.0
9.0		20.3	10.1		9.2
8.8	28	6.0	29.7	Ca	8.6
9.6		21.8	34.7		9.1
7.8		23.3	47.5	Cb	8.3
10.0		26.9	48.1		9.8
10.0		28.3	2.3		9.4
10.0		36.9	5.1		9.5
10.0		55.9	31.4		9.8
10.0	29	0.1	21.8		10.
9.8		21.6	15.4	a	8.9
9.7	30	3.1	0.6		9.2
10.0		6.1	7.2		9.4
8.6		11.9	26.2	Ca	8.7
8.0		20.4	34.1	Ca	8.2
8.6	32	11.4	52.9	Ca	:8.5
9.8		13.4	42.1		9.2
9.4		20.9	10.0		9.3
10.0		22.4	42.0		9.8
25pr.	+ 1	7.1	+ 5.3		

421—480.

mag.	3h. m	s	—20° ′		
8.1	33	15.4	37.4	Cal	7.3
8.0		50.9	59.9	Cb	8.0
8.6		54.9	31.1	a	8.5
7.8	34	36.9	0.0	GCal	6.5
10.0	35	53.3	40.8		9.4
10.0	36	1.3	33.7		9.5
9.0		3.0	46.1	C	8.5
8.6	37	7.0	56.8	C	8.3
9.7	38	10.5	31.3		9.2
9.7		52.8	40.7		9.2
9.2		57.8	52.2		9.2
6.9	39	48.8	55.0	Cb—l	7.3
8.6		57.3	38.5	Cbl	8.7
10.0	40	34.3	5.9		9.5
9.8	41	31.6	36.0		9.2
10.0		41.8	20.1		9.8
9.7	42	11.3	14.4		9.7
9.2		25.1	28.5		9.3
8.6		29.1	3.0	C	9.0
9.2		36.1	12.1		9.3
8.5		51.1	47.9	Ca	8.4
9.2		56.1	56.1	Ca	9.0
8.6	43	51.6	19.0	Ca	9.0
8.9	44	3.6	4.8		9.0
8.3		13.1	48.5	Ca	8.5
10.0		17.9	47.9		
9.2		19.4	26.1	a	9.0
9.0		40.9	10.4	C	8.5
8.8		54.4	29.9	a	9.2
10.0	45	17.4	30.8		
9.7	46	24.4	8.5		9.5
9.0	47	1.0	30.0	Ca	8.5
9.6		22.4	26.0	a	9.2
9.4		37.0	16.7	a	9.0
9.0		49.0	35.0	a	8.8
9.6	48	16.4	14.6		9.5
8.0	49	4.5	49.9	Ca	8.0
7.9		12.7	10.8	Cal	8.5
7.7		16.7	51.4	Ca	8.5
8.7		20.9	19.8	Cal	8.7
9.3	51	1.4	41.6		9.0
10.0		33.4	36.4		9.5
9.6		47.9	45.5		9.7
9.1	52	10.9	15.9		9.2
8.4		12.0	37.9	Ca	8.6
9.9		16.0	44.2		9.5
8.6	53	29.5	29.5	a	9.0
9.8		42.0	37.7		9.7
9.6		52.5	16.3		9.3
7.7		54.5	41.2	Cal	7.2
9.6		59.0	5.2		9.8
8.2	55	22.5	41.2	Cal	8.3
9.6		33.0	0.0		9.3
7.5	56	21.6	49.6	Cal	7.8
9.6		31.6	47.6		9.5
9.0	57	13.6	14.0		9.0
8.0		23.6	51.2	Cal	7.7
7.7		39.1	51.2	Ca	8.0
5.8		53.9	29.4	GCbl	6.0
7.7	58	5.9	30.2	GCbl	7.0
	+ 1	6.4	+ 4.6		

481—540.

mag.	3h.—4h. m	s	—20° ′		
8.3	58	18.4	33.9	Cbl	8.0
9.3		29.9	27.4		9.0
9.8		41.4	46.9		9.7
9.2		49.4	57.4	a	8.7
6.7	59	11.4	43.5	GCal	6.0
10.0		21.4	6.5		9.7
9.1		54.6	21.9		9.3
9.1		59.1	4.3		9.1
7.0	0	17.1	51.1	GCWal	7.0
9.8		35.1	50.4		9.7
9.3	1	1.1	34.8		9.1
10.0		5.1	44.0		9.7
8.7		18.1	48.9	a	9.0
9.6		25.1	11.5		9.8
9.6	2	7.8	52.3		9.2
9.1		43.3	31.0		9.0
9.6		44.8	13.7		9.5
8.4		55.3	49.6	Cbl	8.4
8.2	3	11.8	23.7	Cbl	8.2
9.4		28.8	57.1		9.1
8.2		35.8	36.5	Cbl	8.4
8.4		49.6	44.8	C	8.8
8.6	4	1.6	39.8		9.1
9.0		14.6	48.0		9.5
9.1	5	34.6	22.6	Ca	8.7
9.4		51.1	7.5		9.1
7.5	6	4.6	40.0	Cal	8.6
5.8		7.1	41.0	GCal	6.1
9.6		35.6	48.5	a	9.1
9.1	7	1.7	39.3		9.1
8.8		16.8	14.4	Ca	9.0
9.5		22.8	41.7		9.4
10.0		26.3	32.2		
8.2		29.8	10.5	Ca	8.7
9.9		33.3	24.9		9.6
9.8	8	30.3	6.2		9.4
9.7	9	6.8	41.5		9.7
8.8		41.8	18.2	C	8.6
10.0		56.3	41.7		
9.5	10	51.8	43.2		9.5
10.0	11	10.8	15.8		
10.0		24.3	1.7		9.5
10.2		40.7	58.5		
9.9		47.3	14.8		9.3
9.7		51.3	38.4		9.5
9.8	12	9.3	31.5		
9.6		10.8	24.5		9.5
10.0		18.3	42.1		
8.6		18.8	11.4	C	8.8
9.5		35.3	0.9		9.4
8.8		36.3	54.0		9.1
10.0		54.3	19.7		9.5
10.0	13	8.3	6.8		9.8
8.8		11.3	37.8	C	8.9
10.2		27.8	20.5		
9.8		49.5	46.3		9.5
10.2		54.5	7.0		
9.2	14	7.5	35.2		9.2
10.2		13.5	7.5		
10.2		22.5	10.8		9.4
	+ 1	5.8	+ 4.0		

541—600.

mag.	4h. m	s	—20° ′		
9.5	14	26.0	10.3	a	9.2
10.2		47.8	20.3		9.8
10.2	15	2.3	50.8		
4.8		12.3	56.5	Gbl	5.0
9.0		19.8	52.3		9.1
9.9		25.8	41.7		
8.8		29.8	7.2	Ca	8.7
8.5		48.3	28.8	C	8.3
10.2	16	2.3	41.6		
10.0		3.3	2.7		
8.8		9.8	23.2		9.3
10.2		17.3	44.3		
9.5		21.3	27.9		9.5
7.6	17	18.3	32.2	C	7.8
9.7		38.8	35.9		9.8
8.0	18	8.8	33.9	CWbl	7.8
9.1		18.3	19.9		8.8
9.1		33.3	52.9	C	8.3
8.0		39.3	24.2	Cbl	8.3
10.2		57.8	44.3		
10.2	19	7.3	2.5		
10.2		12.8	24.5		
8.8		14.8	55.1		8.8
9.4		22.8	38.0		9.6
9.2		33.3	19.5		9.3
9.9		42.3	56.9		9.4
9.8	20	26.8	18.3		9.7
9.4		32.5	15.3		9.4
10.2		42.5	9.2		
9.0		53.0	53.9		9.2
9.5		53.5	36.9		9.2
10.2	21	39.5	41.9		
8.0		56.5	39.2	Ca	8.3
10.0	22	33.3	6.5		9.8
9.6		35.5	30.5		9.0
9.6		55.5	42.2		9.2
10.2	23	9.0	16.1		
10.2		18.5	14.6		
10.0		30.5	34.5		9.5
10.0		33.0	54.6		9.4
10.2		55.9	15.7		9.5
8.8		56.0	44.6	C	8.5
10.2	24	16.0	0.9		
9.1		26.0	7.2		9.2
8.8		36.5	56.4		9.2
10.2		38.4	48.3		9.8
10.2	25	17.6	1.1		9.8
10.2		21.8	23.7		
9.7		41.3	30.1		9.5
9.4		44.8	51.0		9.4
8.8		49.8	57.4		9.2
9.8	26	2.3	26.9		9.8
9.5		13.3	16.3		9.1
10.2		31.3	9.7		
8.0		33.8	58.1	Cal	6.5
10.2		40.8	44.5		
8.8		53.3	7.5	a	9.0
10.2		56.8	10.3		
10.2		59.8	20.8		
9.2	27	41.8	29.7		9.3
	+ 1	5.5	+ 3.5		

601—660.

mag.	4h. m	s	—20° ′		
9.9	27	52.8	28.9		9.8
8.6		53.3	1.6	Ca	8.8
9.5	28	2.2	0.3		} 9.1
9.0		2.7	0.0	C	
9.1		22.4	45.0		9.1
9.9		22.7	14.5		
10.2		25.2	27.8		
10.2		28.7	22.2		
9.0		34.9	5.3	a	9.3
9.6	29	4.1	34.6		9.4
8.4		5.1	31.9		9.1
9.8		6.7	0.9		9.5
10.2		18.7	15.2		
7.2		32.7	11.0	GCal	5.5
8.2		55.2	19.2	Cbl	8.6
10.0		58.4	56.7		9.6
10.3	30	13.7	36.4		
7.9		22.7	16.3	Cbl	8.0
8.2		26.2	25.9	Cal	8.4
9.0		39.7	33.2		9.3
10.3		53.7	3.8		
8.6	31	30.7	21.4	Cb	8.6
10.2		42.7	7.9		9.4
9.8	32	1.7	24.0		9.8
8.6		6.7	26.9	Ca	8.8
6.1		33.5	56.5	Cal	6.8
10.2		42.7	58.4		9.5
10.2		43.7	10.8		9.7
10.2	33	46.8	22.6		9.7
9.0		48.3	21.2	a	9.1
9.6	34	12.2	5.1		9.7
9.4		13.3	31.2		9.6
9.0		16.3	25.0		9.6
8.6		20.3	8.4	a	9.0
9.1		22.3	18.7	a	9.3
10.1		36.3	28.0		
9.8		43.3	42.3		9.6
10.1		43.3	56.1		
10.3		45.8	45.0		
8.9		54.8	44.4	Ca	8.8
10.2	35	1.3	0.8		
10.2		6.3	39.2		9.8
9.7		16.8	40.6		9.8
9.4		46.3	6.0		9.4
9.2	36	16.3	20.9		8.8
9.8	37	1.3	16.4		9.7
10.2		3.8	8.0		9.8
8.9		12.3	40.4		9.3
9.8		20.3	1.2		9.4
9.6		23.3	22.6	a	9.0
9.8		25.9	42.6		9.4
8.6		26.4	1.6	a	9.0
9.2	38	2.9	55.8		9.3
8.9		12.4	16.0		9.0
9.7		14.9	6.1		
8.2		15.4	58.0	Ca	8.8
10.0		16.4	54.2		9.6
7.6		21.9	35.2	Cal	7.5
10.3		41.9	41.6		
8.2	39	19.9	14.8	Ca	8.3
25pr.	+1	5.1	+3.1		

661—720.

mag.	4h. m	s	—20° ′		
8.7	39	29.9	30.2	Cal	8.0
9.4	40	8.7	56.4		9.1
10.3		11.4	54.6		
10.2		40.4	25.0		
10.1		48.4	52.6		9.4
9.6		59.9	15.5		9.1
9.4	41	35.9	51.2		9.5
9.7		55.1	17.2		9.5
8.7	42	16.6	37.0	C	8.4
8.6		20.6	10.2	C	8.8
9.8		45.6	17.2		9.5
10.0		50.1	11.4		9.6
8.2		56.6	4.5	Ca	7.7
7.9	43	11.1	38.9	Ca	8.3
8.7		57.1	6.6	Ca	8.9
9.4	44	41.1	44.9		9.5
9.8		44.6	13.4		9.6
10.2		52.6	32.8		
9.7	45	48.1	28.8		9.4
9.7		57.1	42.3		9.4
10.2	46	10.6	3.3		
8.6		26.1	37.2		9.0
9.6	47	17.6	9.6		9.4
9.7		20.1	38.6		9.2
10.1		21.9	50.2		
9.2		22.1	5.4		9.8
9.2		22.6	7.5		9.4
9.2		34.9	38.7		9.5
8.4		43.1	28.8	Ca	8.8
6.4		48.8	58.8	GCal	7.0
9.8		49.9	47.8		9.5
8.9	48	17.5	29.5	Ca	9.0
9.5		24.0	30.6		9.5
9.6		25.0	11.4		
9.8		27.0	0.4		9.5
10.0		29.5	37.8		
9.9		32.0	45.0		9.8
9.4	49	10.5	16.8		9.4
8.2		24.0	35.5	Cal	8.4
10.0	50	12.3	31.6		
9.4		51.3	12.8		9.6
8.9		53.8	15.0	C	9.0
9.4	51	3.8	4.0	C	9.5
9.4		3.8	30.4		
8.9		17.0	40.1	Ca	8.8
9.3		17.3	19.8		9.4
10.0		22.2	12.6		
10.0		49.5	16.1		
8.9		56.8	58.7		9.3
9.7		57.0	42.0		9.5
9.4	52	4.0	28.7		9.5
9.8		8.5	0.5		10.
8.8		39.5	22.7	Ca	8.8
10.0	53	4.0	14.2		9.5
9.5		18.0	43.9		9.3
8.7		21.0	44.3	C	8.6
9.8		38.5	31.0		9.6
8.6		46.5	50.5	C	8.8
9.4	55	6.5	39.7		9.3
10.0		13.5	3.9		9.3
	+1	4.9	+2.6		

721—780.

mag.	4h.–5h. m	s	—20° ′		
10.0	55	13.7	0.7		9.5
9.5		22.7	37.7		9.5
9.7		30.7	43.7		9.7
8.6		34.2	56.1	C	9.0
9.8		39.2	47.9		9.8
9.8		44.7	57.1		
8.9		48.7	15.9		9.0
9.4		56.7	53.9		9.0
10.0		57.7	7.7		
4.7	56	0.2	14.0	GStlπ	5.3
9.6		31.7	31.7		9.5
10.0	57	52.7	36.9		10.
9.4		58.2	52.1		9.5
9.4	58	0.7	9.7		9.5
8.7		11.2	39.1	C	8.9
10.0		22.2	42.9		9.6
9.4		57.0	54.4		9.4
8.9	59	2.5	37.7		9.1
8.8		9.0	29.8	Cal	8.2
9.2		10.0	14.7		9.1
10.0		20.5	29.9		
9.9		22.0	26.7		
7.8		24.5	25.3	GCal	7.2
9.4		30.0	45.7		9.3
10.0		34.5	23.5		
9.6		56.5	29.1		9.4
8.8	0	53.2	17.9	a	9.0
10.0		53.2	15.6		10.
8.2	1	10.7	46.0	Ca	8.3
9.7		11.7	36.3		9.5
9.5		31.2	4.8		9.7
8.1		34.7	16.8	Cal	8.5
10.0	2	24.9	59.4		9.8
8.1		36.2	17.0	GStlπ	7.3
10.0		48.2	40.8		
9.9	3	1.7	33.1		
10.0		6.7	48.9		
9.9		32.7	28.9		
10.0		33.2	0.2		
8.9		41.7	19.8	a	9.0
10.0		43.2	12.6		
8.2		46.2	23.2	Ca	8.5
9.4		59.3	37.2		9.8
10.0	4	28.3	37.6		9.7
10.0	5	2.3	48.1		9.8
9.0		2.8	15.1	Ca	8.5
9.3		4.3	28.1		9.3
8.8		13.3	28.7		9.3
6.9		21.8	54.4	C	7.3
10.0		48.8	21.9		
10.0	6	7.3	26.8		10.
8.9		12.8	19.0		9.0
9.0		29.3	17.1		9.5
9.0		45.8	47.6		9.2
10.0		59.3	5.9		
9.8	7	0.3	9.5		9.3
9.4		11.5	27.3		9.6
9.4		21.0	53.9		9.4
10.0		24.5	23.1		
8.5		30.5	43.8	C	8.5
	+1	4.7	+2.1		

781—840.

mag.	5h. m	s	—20° ′		
8.5	7	32.8	16.9	C	8.8
8.7	8	5.0	40.7	Ca	8.1
8.9		12.0	36.9		9.3
10.0		32.5	33.5		
10.0		37.5	34.8		
10.0		41.9	8.6		
10.0		42.0	31.0		
8.4		45.4	19.9	C	8.8
9.6		54.4	1.3		9.4
9.8	9	17.4	51.4		9.8
9.6		38.9	59.0		9.8
9.7		56.9	16.0		9.6
9.3	10	28.4	32.6		9.2
9.1		59.3	46.0		9.0
9.4	11	24.0	54.2	C	9.0
8.4		54.5	58.3	Ca	9.0
8.4	14	17.5	46.4	Cbl	8.5
9.6		39.5	13.0	C	9.0
10.0	15	18.2	45.0		9.2
10.0		19.7	46.1		9.3
9.4	16	19.2	22.2		9.5
9.1		25.7	2.2		9.2
10.0		32.2	40.0		9.3
9.8		54.5	2.0		9.4
9.8	17	3.7	24.0		9.2
7.5		11.2	0.0	Cal	7.6
9.0		13.0	9.7	CW	9.1
9.8		28.5	37.1		9.5
9.4		37.0	40.0	C	9.1
10.0		59.3	7.0	C	9.5
9.1	18	28.0	56.9	C	9.1
9.6		30.5	28.0		9.3
8.2		31.5	50.7	Cbl	7.8
9.0		58.8	42.5		9.1
9.2	19	20.3	26.0	C	8.9
9.2		22.8	22.0	C	9.2
9.2		32.8	45.3	a	8.8
9.2		37.3	8.8		9.3
7.6	21	2.8	49.5	a	7.5
9.4		19.8	7.0		9.6
10.0		33.6	52.7		9.4
8.7	22	29.6	54.7	al	8.2
9.8		32.6	1.9		9.5
8.8		42.1	58.4	C	9.1
9.4		48.1	30.0	C	8.8
4.1		53.6	51.6	GSπμβ	3.
9.0		56.1	0.1	C	8.8
9.6	23	16.4	46.8		9.3
9.8		53.9	38.6		9.1
10.0	24	59.5	59.7		9.5
5.8	25	46.4	57.5	GSlπβ	6.0
9.4	26	5.9	35.9		9.4
9.1		55.9	17.7	C	8.9
9.4	27	0.9	1.3		9.2
9.8		5.6	11.9		9.6
9.8		16.9	57.8		10.
9.0		17.3	26.7		9.2
9.6		25.9	25.1		
9.2		28.4	18.8		9.5
9.4		34.9	13.4		9.7
	+1	4.5	+1.5		

841—900.

mag.	5h. m s	—20° ′		
9.3	27 38.4	27.9		9.5
9.2	43.9	30.6	Ca	8.8
8.7	28 33.6	43.8	C	8.5
9.4	52.5	7.4		9.2
9.4	57.5	49.4		9.5
10.2	29 29.4	12.8		
10.3	33.4	12.1		9.5
9.6	33.9	42.6		9.5
9.2	30 15.4	47.0		9.3
10.3	17.5	34.3		9.8
8.8	24.0	1.8	Cal	8.2
10.2	37.5	48.8		
9.8	41.5	10.1		9.5
9.4	47.5	6.2		9.5
9.6	54.0	43.7		
10.2	54.5	21.3		
9.3	58.5	18.1		9.9
10.3	31 13.0	0.4		9.9
10.1	21.0	13.8		
9.8	34.5	21.3		9.8
8.2	35.5	0.3	Cal	8.7
9.7	38.5	32.7		
9.6	50.0	35.0		9.2
9.6	55.5	16.5		10.
9.6	59.0	18.0		10.
10.0	32 2.0	41.0		9.6
10.4	30.5	24.6		
10.3	39.5	42.6		
10.4	47.5	40.1		10.
8.4	54.1	41.9	Cal	8.2
8.4	54.5	14.8	Cal	8.5
10.2	55.6	3.6		
9.8	33 1.6	5.4		9.8
8.1	20.6	11.2	Cal	8.3
9.8	24.6	17.6		
9.8	28.6	46.0		9.5
10.2	29.6	7.8		
10.1	30.6	13.7		
10.1	34.6	23.9		
10.3	38.6	20.4		
9.4	44.1	11.7		9.5
9.8	44.6	40.5		
9.4	54.6	28.8		9.5
10.4	54.7	0.0		
9.7	34 3.1	12.1		
10.3	6.1	10.0		
9.1	7.1	37.7		9.1
10.4	17.1	44.2		10.
6.8	23.1	30.2	Cbl	7.0
9.2	59.6	23.9		9.3
10.3	35 1.6	42.9		
8.2	17.1	21.8	GCbl	7.7
9.0	20.6	8.5		9.0
10.0	28.6	43.1		
9.8	29.6	18.7		
9.8	34.3	54.5		
9.8	37.3	31.1		
9.2	39.8	37.6		9.5
10.1	49.8	53.4		9.7
9.8	55.3	27.2		
25pr.	+ 1 4.4	+ 1.0		

901—960.

mag.	5h. m s	—20° ′		
9.0	35 57.3	29.6		9.3
10.0	36 8.3	6.7		9.8
9.2	11.3	13.8		9.3
9.3	51.8	34.2		9.4
9.8	52.3	21.5		10.
10.0	54.3	27.6		
10.0	59.3	6.6		
9.2	37 2.8	11.1		9.4
10.4	8.3	3.0		
8.4	12.3	12.9	Cal	8.5
9.2	20.3	35.4		9.3
9.6	32.8	40.4		9.5
8.3	58.0	43.4	C	8.3
8.5	58.0	14.8	Cal	8.3
9.0	38 0.0	46.6		9.1
8.5	13.0	26.4	Ca	9.2
8.6	15.5	24.8	Cal	8.8
10.3	16.1	58.9		
10.0	16.5	18.0		9.8
9.4	36.5	41.8		9.3
10.3	36.5	17.9		
9.7	45.5	50.1		
9.2	46.0	12.2		9.1
9.8	58.0	33.7		10.
10.3	39 2.0	28.7		
7.4	5.5	10.9	GCal	6.5
10.2	16.5	23.1		
8.9	19.0	45.1	Wa	9.0
9.2	25.0	46.7		9.4
9.2	33.5	11.9		9.5
9.2	36.0	32.4	Ca	8.7
9.7	42.5	30.9		9.5
10.1	54.0	23.1		
10.2	58.5	48.0		
8.7	58.8	8.5	Ca	8.5
9.1	40 1.8	15.9	a	9.4
10.3	1.8	56.9		
10.1	10.8	25.8		
9.6	22.3	43.0		9.8
9.0	32.8	32.3		9.4
10.0	34.8	46.6		
10.0	42.3	46.4		9.7
9.8	43.8	44.5		
9.2	47.3	16.6	a	9.5
10.4	52.3	25.3		
9.4	53.3	35.1		10.
10.1	55.0	59.1		
10.0	41 11.3	35.5		
9.2	12.3	30.8	Ca	8.5
10.4	19.3	16.0		
10.0	22.6	21.7		
10.2	26.1	28.8		
10.1	27.1	3.9		
10.4	51.6	17.8		
9.8	42 2.6	59.7		
10.4	7.6	51.4		
9.0	9.6	17.0		9.4
10.4	15.9	0.0		
10.4	21.6	21.5		
9.8	32.1	2.7		9.5
	+ 1 4.4	+ 0.7		

961—1020.

mag.	5h. m s	—20° ′		
9.4	42 36.6	51.0		9.1
10.4	45.6	14.2		
8.4	46.6	4.1	Cal	8.2
9.6	57.1	47.9		9.8
9.7	59.6	30.0		9.4
10.0	43 1.6	45.9		
8.6	14.9	40.5	Ca	8.3
9.1	15.9	45.4		9.4
10.0	29.9	51.9		
8.6	44.4	8.4	Ca	8.5
9.3	46.4	3.0		9.6
10.0	50.4	37.7		
10.4	51.9	41.1		
10.0	52.4	7.3		9.6
10.4	54.9	43.7		
9.7	44 0.4	17.8		9.4
9.7	2.9	21.8		9.4
9.4	7.4	20.1		9.8
9.6	11.4	6.5	a	9.1
9.2	12.9	46.0		9.2
10.4	14.9	0.1		
9.3	23.4	53.6		9.2
10.2	31.4	32.7		9.8
8.7	33.4	22.8	Cal	8.0
9.4	36.4	16.8		9.1
8.8	44.4	8.0	a	9.1
9.4	56.9	51.4		9.5
9.8	56.9	11.4		
9.7	59.4	11.0		
9.2	59.9	45.1		9.2
10.2	45 10.4	26.6		
9.8	15.4	48.5		
10.2	49.0	22.1		9.8
9.8	49.0	42.8		9.5
10.2	51.0	25.0		
9.0	55.0	19.8	Ca	8.5
10.3	55.0	15.6		
5.6	57.5	53.7	GSπβλ	4.3
10.3	46 10.5	58.9		
10.2	12.0	53.1		9.6
9.7	15.0	37.3		
8.8	16.0	52.2	Gatlπ	8.6
10.4	22.5	21.1		
10.3	24.5	13.1		
10.1	35.5	47.2		
10.4	36.0	24.3		
10.4	38.5	11.1		
9.6	43.0	12.5		9.1
10.2	47.0	26.2		
10.4	49.5	40.7		
10.4	50.0	3.0		
10.3	54.8	22.5		
10.3	55.3	8.4		
9.7	58.8	36.2		9.5
10.2	47 1.3	37.9		9.4
8.9	15.5	49.4	a	8.8
10.4	20.3	51.1		
9.6	23.0	12.4		9.2
9.1	32.3	44.0		9.2
10.3	34.0	41.1		
	+ 1 4.3	+ 0.5		

1021—1080.

mag.	5h. m s	—20° ′		
9.4	47 35.8	10.9		9.5
10.3	57.0	16.5		
10.4	57.0	21.4		
10.4	58.0	19.9		
8.8	48 5.8	10.4	Ca	8.3
9.7	18.3	43.4		9.8
10.4	19.6	51.5		
9.7	39.2	26.1		9.5
9.2	41.0	54.8	Ca	9.0
9.8	41.4	2.8		9.5
9.8	43.0	24.3		
9.7	43.3	56.2		
10.5	49 11.9	53.7		9.8
10.0	41.6	31.6		9.4
9.9	43.1	58.8		9.5
9.2	50.1	16.7	a	9.0
9.4	59.1	5.1		9.4
10.6	50 7.9	37.3		
10.4	14.1	50.0		
10.6	19.9	38.8		
10.6	25.6	12.1		
9.2	27.6	38.9		9.3
10.2	38.1	12.5		
10.5	50.1	0.9		
8.4	51 1.6	3.2	Ca	8.2
8.8	2.6	21.1	a	8.8
10.6	4.1	24.5		
9.4	12.6	7.5	a	9.4
10.4	17.1	14.7		
10.4	23.1	38.5		
8.6	32.6	41.3	C	9.0
9.8	32.6	2.2		9.4
10.0	37.1	25.5		
10.6	55.1	55.1		
9.2	55.6	27.6		9.4
10.4	52 13.1	9.2		
8.9	13.1	48.3		9.1
8.7	20.6	33.1	Ca	9.0
10.5	21.8	59.6		
9.9	26.1	15.1		
9.2	40.6	46.0		9.4
9.9	42.1	10.8		
9.0	53 2.4	39.5	a	9.2
10.4	4.8	42.3		
8.0	5.4	10.6	Cal	8.0
9.8	6.4	42.1		9.5
8.4	45.9	20.5	Cbl	8.7
10.2	55.4	36.2		
9.1	55.4	13.9		9.2
8.6	56.9	35.1	Ca	8.7
10.4	54 6.2	0.1		9.5
9.6	14.9	48.4		9.5
9.2	16.9	56.3	a	9.3
10.0	27.4	38.4		
9.8	28.4	41.7		9.7
10.4	29.9	45.9		
9.4	32.4	27.8		9.5
8.7	40.9	24.5		9.1
9.9	45.7	1.1	a	9.4
10.0	55 15.9	28.9		10.
	+ 1 4.3	+ 0.3		

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1081—1140.

mag.	5^h–6^h m	s	—20° ′		
9·6	55	23·9	34·9		9·4
9·6		25·9	31·5	a	9·2
10·5		28·9	25·0		
10·6		49·9	30·7		
9·6		58·4	25·5		9·4
10·2	56	4·9	33·1		
8·6		8·9	38·8	Cal	8·0
9·2		51·9	1·4	Ca	8·4
10·4		53·9	55·1		
10·4	57	11·8	39·6		
9·6		12·4	12·7		9·8
10·2		41·4	54·7		10·
10·6		41·6	58·6		
9·2		43·9	19·1		9·5
9·2		51·9	5·4		9·5
10·6		56·8	1·1		
10·4	58	0·4	28·9		
9·4		0·9	51·3		9·0
9·9		0·9	32·4		9·8
10·6		7·9	36·7		
9·1		19·5	59·9		9·5
9·9		21·9	3·7		9·5
10·6		30·9	45·9		
10·0		36·9	49·7		9·7
8·8		36·9	51·9		9·3
8·7		45·9	36·9	C	9·0
9·6		46·6	11·7		9·4
9·9	59	11·6	41·3		9·8
10·2		14·1	48·9		
9·6		16·1	43·7		9·2
10·6		19·6	8·1		
9·1		19·6	53·7	C	9·0
9·9		25·1	6·4		9·2
10·2		32·1	27·2		
9·2		38·1	57·7		9·0
10·0	0	1·1	59·7		9·5
9·2		2·6	16·3	Ca	8·8
10·0		9·1	10·3		9·8
10·6		12·6	39·8		
9·2		20·6	4·7		9·1
10·4		30·1	39·9		
8·4		32·1	39·3	C	8·6
10·6		51·6	20·3		
9·9		55·6	53·4		9·5
10·6	1	18·7	14·3		
10·2		30·1	21·4		
9·4		32·6	39·3		9·3
10·2		52·6	21·5		
10·0		59·6	19·1		
10·5	2	4·6	56·5		
10·0		7·6	26·4		
10·5		11·1	53·3		
9·4		21·1	51·5	C	9·0
10·5		28·1	5·9		
9·2		31·1	33·1		9·1
10·6		34·6	31·3		
10·2		45·6	7·3		9·5
10·2		51·1	6·5		
9·4		51·6	34·9		9·5
10·6	3	5·0	1·1		
25pr.	+1	4·3	0·0		

1141—1200.

mag.	6^h m	s	—20° ′		
9·2	3	5·7	20·0		9·4
9·2		6·1	7·3		9·5
9·6		8·6	29·1		
9·8		8·6	18·4		9·4
10·2		20·1	24·1		
10·2		21·6	47·6		10·
9·2		25·6	51·1	C	9·1
10·4		33·6	36·9		
9·4		34·1	12·1		9·3
10·6		39·3	53·4		
10·4		40·3	6·3		
9·5		40·3	39·8		9·4
9·8		40·8	40·5		
10·5		45·3	16·9		
9·1		51·8	39·7	Ca	8·8
9·2		55·3	27·9		9·0
8·0		59·3	54·1	C	8·8
10·4	4	0·3	46·6		
9·0		2·3	38·5	a	9·1
9·6		5·8	3·8		9·5
8·8		8·3	46·5		9·0
10·6		14·3	8·8		
8·7		24·8	28·9	Cal	8·0
9·9		32·3	18·7		9·8
10·0		33·3	41·4		
10·5		33·3	44·5		
9·8		36·3	16·8		
9·9		36·8	55·8		9·8
10·6		40·8	23·1		
9·8		50·8	49·5		9·8
10·4	5	4·8	46·6		
8·7		13·3	21·9	Ca	9·1
10·5		13·3	42·8		
8·2		19·3	19·7	Cal	8·5
9·2		20·8	53·1		9·4
8·8		20·8	21·8	Ca	} 9·1
9·8		21·6	21·9		
9·4		25·1	39·3		9·1
10·2		25·6	58·8		
9·6		28·1	50·9	Ca	9·1
8·6		30·1	46·8		9·0
9·1		36·1	11·2		9·4
10·0		44·1	16·0		
9·2		47·1	31·0	Ca	9·0
8·2		57·1	49·9	Ca	8·7
10·2		58·7	59·6		
10·5	6	2·1	14·7		
9·4		9·6	18·7		
9·9		15·6	6·8		9·7
9·1		16·1	21·6		9·2
10·5		24·6	10·3		
8·6		27·6	28·3	Ca	9·0
10·2		39·5	59·9		
9·9		41·1	3·7		9·7
9·0		43·6	52·9		9·5
10·6		47·6	48·8		
10·4	7	17·1	58·8		
9·9		25·7	7·0		9·5
10·6		28·4	58·3		
9·8		29·5	8·4		
	+1	4·3	−0·2		

1201—1260.

mag.	6^h m	s	—20° ′		
9·2	7	44·0	20·4		9·1
10·5		47·0	9·5		
10·2		50·0	48·8		9·9
10·4		50·7	10·2		
9·4		55·0	37·2		9·4
9·2	8	0·6	36·9	Ca	8·7
9·4		12·3	55·8	a	9·1
10·4		13·4	58·8		
9·5		26·0	43·8	a	9·4
9·8		29·6	19·2		
9·4		34·2	10·7		9·5
10·2		38·7	20·1		
9·0		42·4	57·8	a	9·3
9·4		43·7	27·1		9·8
9·0		52·6	41·2		9·3
9·4		55·1	55·8		9·8
10·2		58·1	6·0		
10·2	9	3·6	5·4		
9·2		8·6	17·4	C	9·1
9·4		10·6	9·5		9·4
10·0		22·6	21·5		
10·0		31·6	52·7		
7·9		45·6	14·1	GCbl	6·3
10·2		48·6	3·8		
9·8		52·6	49·4		9·5
10·2	10	3·1	22·2		
9·0		17·1	50·7		9·5
8·4		18·6	9·7	Ca	8·2
10·2		22·6	10·9		
9·4		23·1	55·0		9·8
9·1		27·6	42·0		9·2
10·2		33·6	2·0		
9·1		34·6	32·1		9·5
9·5		56·6	32·7		9·5
9·8	11	10·1	12·9		9·4
8·8		12·6	9·9	Ca	8·0
9·5		16·6	47·9		9·5
8·2		16·6	35·9	Ca	8·3
10·2		18·1	3·4		
10·3		31·1	53·1		
9·8		33·6	0·7		
10·1		41·6	52·8		9·8
10·0		43·6	17·3		
10·2		44·1	45·8		
8·8		56·6	49·5		9·1
10·2	12	24·1	8·9		
9·4		32·6	23·6		9·5
10·2		36·6	43·4		
10·2		42·6	8·6		
10·2	13	2·6	50·0		
9·1		9·6	33·1		9·4
10·0		9·6	10·4		9·8
9·2		18·6	11·9		9·5
9·2		22·1	30·1		9·3
10·2		33·6	7·5		
6·2		38·1	52·6	GCbl	6·3
10·0		41·6	35·8		
10·0		53·1	49·4		9·5
9·2	14	0·1	13·6		9·5
10·2		12·1	37·3		
	+1	4·3	−0·4		

1261—1320.

mag.	6^h m	s	—20° ′		
10·2	14	29·6	24·5		
9·2		32·1	49·3	a	9·2
8·2		36·6	28·7	Ca	8·5
9·8		40·1	58·5		
10·1		42·1	11·1		
9·8		44·1	38·3		
10·2		44·1	4·4		
9·6		52·1	38·8		10·
10·2	15	7·6	39·9		
10·2		12·1	17·6		10·
8·8		14·1	37·4	Ca	8·8
9·8		26·1	3·7		
9·2		27·1	9·0		9·4
9·2		30·6	15·9		9·4
10·1		42·6	35·5		
9·8		45·1	37·4		
9·8		56·1	38·5		
8·4		57·1	23·5	Ca	8·9
10·2	16	5·6	24·9		
9·4		11·1	3·0		
8·7		13·1	46·2	Ca	9·1
9·8		26·1	24·2		
9·6		33·1	52·0		10·
9·0		43·1	47·2	Ca	9·1
9·8		46·1	1·1		9·5
10·0		48·1	2·4		
9·8		52·1	34·0		
10·2		56·1	17·8		
10·2	17	6·1	40·6		
10·0		15·6	11·0		
10·2		29·3	18·5		
10·2		29·6	19·6		
10·2		33·1	21·5		
9·2		45·1	44·7		9·5
9·6		49·1	41·2		9·6
10·0		52·1	15·8		
10·2		55·2	57·5		
10·0		55·7	29·3		
9·2		58·3	1·3		9·2
8·5	18	10·7	52·8	Ca	8·3
8·0		12·2	6·9	Cbl	8·1
10·0		15·2	45·0		
10·0		25·2	15·9		
10·1		26·7	47·6		
8·7		31·7	24·5	Ca	9·1
10·1		37·2	26·8		
10·1		39·2	9·8		
10·2		42·7	22·4		
10·0		51·7	34·9		
10·2		55·7	29·7		
9·6	19	4·7	41·0		9·8
10·0		13·7	50·5		9·6
10·2		14·2	19·9		
10·2		15·7	14·5		
9·0		25·7	20·1		9·2
8·4		26·2	34·8	Cbl	8·7
10·0		30·2	50·1		
10·2		34·2	20·2		
9·3		39·2	15·1		9·5
9·2		49·2	24·9		9·8
	+1	4·4	−0·6		

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1321—1380.

mag.	6h. m s	—20° ′		
9·4	19 52·7	59·9		9·8
10·1	53·7	32·3		
8·2	20 24·7	54·2	Cbl	7·3
10·2	24·7	11·5		
10·2	27·7	31·9		
10·1	45·7	19·8		
10·2	46·7	43·5		
8·8	50·2	31·1		9·1
10·2	50·2	2·4		
8·7	21 0·2	6·1	Cal	7·8
10·1	1·7	3·5		
9·4	3·2	18·8		
9·2	11·2	18·7		9·5
9·5	11·7	14·6		
9·8	12·7	35·3		9·6
10·0	15·7	21·5		
10·1	18·7	17·1		
9·2	31·5	0·3		9·5
9·6	34·0	6·3		
9·0	37·5	8·7	Ca	9·0
9·6	38·5	9·7		
9·4	40·0	50·2		9·2
9·8	41·5	21·6		
10·0	45·0	8·7		9·8
8·2	50·0	20·7	Cbl	7·7
9·2	51·5	37·5		9·5
9·2	22 1·5	7·2		9·5
8·9	6·0	51·5	C	8·9
8·4	13·5	22·1	Ca	8·9
8·9	18·0	17·7	Ca	8·7
9·3	21·5	48·6		10·
9·2	21·5	21·7		
9·2	23·0	35·4		9·6
10·1	28·5	56·5		
9·6	28·5	58·7		
9·8	31·0	47·7		9·8
10·2	32·0	58·4		
9·8	32·5	46·6		
9·8	34·0	48·7		
10·0	41·0	15·1		9·8
10·0	43·0	25·9		
10·2	55·5	36·1		
9·4	56·5	49·1	a	9·9
9·8	23 0·0	58·1		
9·0	0·5	1·7		9·3
10·1	15·5	13·3		
8·6	16·0	7·1	Ca	8·3
10·2	19·0	24·3		
9·2	21·0	4·9		9·3
9·6	22·0	8·0		
10·2	23·5	8·2		
9·8	33·5	32·5		
10·2	45·5	4·8		
10·2	46·5	32·1		
9·3	52·5	58·7		9·5
10·2	57·5	32·2		
9·8	59·0	12·9		9·4
9·6	24 19·0	16·9		9·5
9·8	20·0	43·7		
10·1	27·5	50·7		
25pr.	+1 4·4	−0·8		

1381—1440.

mag.	6h. m s	—20° ′		
8·3	24 30·5	8·9	Cal	8·3
9·8	33·5	35·3		
10·2	34·4	41·9		
9·2	40·4	58·9	a	9·5
9·6	42·9	45·5		9·8
9·3	51·4	25·9	a	9·4
9·2	52·4	34·6		9·7
9·8	52·9	1·4		
9·6	25 1·4	33·3		9·5
8·8	2·4	43·7		9·0
10·0	11·4	34·2		
10·0	20·4	22·8		
9·8	30·4	37·0		
9·8	42·4	34·7		
10·2	45·4	32·3		
10·2	51·9	3·4		
8·0	59·9	32·4	GCal	8·2
10·0	59·9	54·9		
9·5	26 2·4	24·2		9·4
9·8	2·4	34·2		9·4
10·0	5·4	56·7		
9·8	7·4	34·5		
8·6	9·4	38·7	Ca	8·7
9·8	11·4	7·2		
9·0	11·4	19·3		9·6
8·7	14·4	31·5	a	9·1
8·6	17·4	58·7	Ca	8·0
9·8	19·4	13·0		9·7
10·0	21·4	2·7		9·4
10·2	22·4	37·3		
10·2	24·4	14·3		
9·6	32·4	2·5		
10·2	34·9	19·8		
9·8	35·9	19·0		
8·8	37·4	11·8	a	9·0
10·0	37·4	36·8		
9·2	37·6	58·6	a	9·0
9·4	38·9	21·5		9·5
9·2	44·9	31·8	a	9·4
9·3	45·9	27·3		9·5
10·2	46·4	44·3		9·8
10·2	52·9	46·3		
9·2	27 2·9	42·0		9·5
7·5	11·8	55·9	Cbl	7·2
10·0	14·3	15·7		
9·6	27·3	58·3		9·7
10·2	35·3	13·5		
9·2	36·8	15·6		9·6
10·2	45·3	53·7		
10·2	57·3	57·5		
10·2	59·1	5·9		9·7
9·1	28 0·6	3·4		9·6
9·8	2·0	22·7		
8·0	5·8	49·7	GCal	6·6
8·0	10·6	2·7	Cal	8·1
8·6	14·8	54·0	Ca	8·7
10·2	30·8	54·4		
9·3	32·4	15·1		9·5
10·2	38·3	55·2		
9·4	38·3	51·8		
	+1 4·4	−0·9		

1441—1500.

mag.	6h. m s	—20° ′		
10·4	28 50·3	56·7		
8·6	53·3	2·8	a	8·8
10·2	55·8	19·8		9·6
10·4	56·3	33·4		
10·2	29 4·3	53·9		
9·6	4·3	31·2		9·5
9·4	16·8	20·2		9·5
9·6	17·8	6·2		9·4
10·4	23·2	56·4		
7·7	23·3	27·6	GCbl	7·0
8·9	26·3	41·0		9·0
10·4	30·8	45·0		
9·5	40·3	29·9		
9·4	41·8	4·5	a	9·2
8·0	52·8	17·5	Ca	8·0
10·2	55·8	0·9		9·5
9·0	58·3	41·9		9·1
9·4	30 28·3	39·9		9·2
9·4	33·8	9·1		9·5
9·2	33·8	23·3		9·5
8·7	31 3·3	21·0	a	9·2
9·2	10·3	12·8		9·8
9·0	11·8	7·6		9·0
10·2	12·3	1·8		9·5
10·4	12·3	56·7		
10·2	19·2	32·9		9·8
9·0	22·3	45·3		9·2
8·8	24·3	16·9	a	9·2
9·4	30·3	15·7		9·5
10·4	30·8	48·1		
10·3	35·3	38·9		
9·1	40·3	23·8		9·2
8·8	48·3	27·5	a	9·1
9·0	53·6	57·1		9·2
9·5	56·3	54·2		9·5
9·2	58·0	20·4	a	9·0
8·9	32 2·0	28·8	a	9·2
10·4	13·2	57·7		
10·2	26·0	7·4		9·8
9·4	27·5	10·1		9·6
10·0	32·0	59·1		9·5
10·4	37·0	24·5		
9·2	56·0	21·0		9·4
10·4	33 17·7	59·2		9·9
10·3	33·5	12·3		9·8
9·2	42·0	24·6		9·2
9·8	42·5	40·3		9·8
10·2	49·0	42·5		
9·6	53·0	30·3		9·5
8·7	53·2	59·9		9·2
10·4	55·5	17·5		
9·1	34 0·0	10·2		9·3
10·4	8·5	7·0		
10·4	10·0	12·9		
9·0	11·5	31·9		9·0
9·4	18·0	38·6		
9·4	26·0	34·4	a	9·1
10·0	29·0	9·2		9·5
9·6	38·5	44·3		9·4
9·0	35 4·5	56·7	Ca	8·5
	+1 4·4	−1·2		

1501—1560.

mag.	6h. m s	—20° ′		
10·4	35 11·5	55·1		
10·3	15·0	52·3		10·
9·5	17·0	43·1		9·2
10·4	24·5	12·2		
10·1	37·0	43·7		9·7
8·6	36 3·0	43·8	C	8·7
8·2	7·5	12·0	GCal	6·8
8·4	17·8	27·4		9·0
9·8	20·8	7·5		9·5
8·2	32·8	7·7	GCal	7·3
9·2	37·3	26·8		9·0
9·2	41·8	8·4		9·4
9·6	43·3	32·2		9·5
9·8	49·8	32·8		
8·6	51·8	59·7	Ga	8·8
8·6	59·8	44·3		9·1
9·6	37 4·8	41·4		9·8
9·0	6·8	38·2		9·2
8·8	9·8	27·3		9·0
10·1	10·3	35·7		9·5
9·0	38·8	2·0	Cal	8·7
8·6	46·3	19·3	Ca	8·7
9·1	51·8	21·0	a	9·1
10·3	54·8	46·4		10·
9·2	55·8	54·6		9·4
10·4	38 1·3	2·9		
9·5	3·8	23·5		9·5
10·2	15·8	24·8		
8·8	24·8	36·2		9·3
9·1	32·8	15·5		9·1
10·4	46·8	0·6		
10·0	50·3	11·6		
9·6	55·8	53·6		9·[illegible]
10·3	55·8	1·9		
10·0	56·3	8·8		
8·8	57·3	38·4		9·[illegible]
9·4	39 1·8	26·4		9·[illegible]
9·8	5·3	29·1		
9·4	15·1	59·0		9·4
8·6	16·3	17·1	a	8·[illegible]
9·4	19·8	2·3		9·6
8·8	20·3	19·4	Ca	8·6
10·4	22·8	26·6		9·[illegible]
10·4	24·3	25·2		
10·1	25·1	45·8		
10·3	26·6	21·5		
10·1	27·6	40·0		
10·0	31·6	38·3		
9·6	33·6	18·1		
9·8	43·1	32·9		9·[illegible]
10·0	43·1	42·4		
9·4	43·1	39·8		9·[illegible]
10·4	44·6	10·0		
9·6	45·6	45·8	}	
9·6	45·6	46·0	}	9·[illegible]
8·6	46·1	20·8	a	9·[illegible]
10·2	50·1	35·6		
9·3	53·1	49·9		9·
9·3	55·1	39·9		9·
10·4	55·1	59·2		
	+1 4·5	−1·4		

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1561—1620.

mag.	6h. m s	—20° '		
10·0	39 55·6	32·0		
9·3	55·6	25·9		9·6
8·9	57·1	23·2		9·5
8·6	40 1·6	17·9	a	9·1
9·6	2·6	32·7		
8·0	2·6	50·4		8·9
9·8	3·1	23·9		
9·6	4·1	24·5		
10·4	5·6	47·8		10·
8·1	6·1	42·7	Gb	8·6
10·3	6·6	47·1		
9·8	9·1	38·6		
10·3	9·6	46·6		
9·2	10·1	28·0		9·8
8·4	12·1	5·2		8·8
8·4	12·6	35·5		9·3
8·4	12·6	29·5		9·2
8·4	12·6	33·1		8·8
9·6	12·6	51·6		9·9
9·4	13·1	16·8		9·8
9·6	15·6	33·5		
8·6	15·6	41·2	Gb	9·0
8·6	15·6	23·0		9·2
10·0	17·6	39·8		
8·6	18·1	33·9	C	8·3
9·4	20·1	10·5		9·4
8·1	20·1	33·8	l	9·0
8·5	21·4	43·3	GCb	7·8
9·0	21·4	30·9		9·4
9·8	21·4	23·0		
8·8	22·4	56·0	Cb	8·4
9·8	25·4	39·1		
10·0	27·4	42·5		
8·2	27·4	43·0	b	8·9
10·0	28·9	14·7		
9·2	30·4	33·7	}	9·4
9·1	31·4	33·5	}	
8·7	32·4	35·3		9·5
8·3	35·4	38·7	GStlπ	7·6
10·0	37·4	31·0		
9·3	40·4	36·0		
8·3	41·4	35·4		9·5
9·8	42·4	37·2		
8·6	42·4	39·2	b	9·7
8·6	42·4	28·6	Gbtlπ	8·3
8·8	43·4	34·5		9·8
9·5	43·4	32·1		
10·3	45·4	30·7		
7·9	45·4	37·4	Gatlπ	8·1
9·2	46·4	35·5		
10·0	47·4	27·5		
10·2	47·4	38·0		
8·9	49·4	40·0		
10·3	50·4	23·8		
9·1	50·9	46·3		9·4
10·1	51·9	20·5		
8·2	52·4	40·3		8·8
8·3	53·4	37·6	a	9·0
9·3	55·4	34·5		
9·6	59·4	43·4		
25pr.	+1 4·5	−1·5		

1621—1680.

mag.	6h. m s	—20° '		
10·3	40 59·4	47·6		
10·0	59·9	33·9		
10·2	41 0·4	33·0		
8·6	1·4	41·1		9·4
10·1	2·4	28·9		
8·6	2·4	32·3		9·4
10·1	2·4	47·9		
9·6	4·4	49·0		9·7
10·3	4·9	42·1		
9·4	4·9	31·5		9·7
8·6	11·3	40·7	Gb	8·2
9·2	11·8	26·8	}	9·0
9·2	12·3	26·7	}	
8·8	12·3	34·7		9·3
10·4	17·8	33·8		
10·3	18·3	31·8		
9·4	19·8	30·2		
10·4	19·8	22·6		
10·2	21·3	2·6		
10·0	21·3	46·8		
9·6	24·3	4·9		
9·6	25·3	31·5		9·8
9·2	28·3	39·8		9·8
9·6	28·3	36·3		
10·0	31·3	48·5		
9·4	31·6	0·7		9·4
9·2	33·8	31·0		9·8
10·4	36·3	35·1		
9·4	40·3	44·8		9·9
8·5	40·3	32·5	GCa	8·4
6·0	40·8	52·8	GSlπβ	6·0
9·8	41·8	11·8		
8·7	44·5	58·1	GCbtπ	8·1
9·8	47·3	51·9		
9·2	50·8	21·1		
9·3	52·3	11·4		9·1
9·3	54·8	51·9		
8·8	58·3	10·0		8·8
9·6	42 2·3	32·7		
9·8	2·3	42·8		
9·8	8·8	43·1		
8·6	11·3	38·8		9·4
9·8	11·3	27·4		9·8
9·6	17·3	45·6		
9·0	23·8	12·6		9·1
9·5	44·8	27·7		9·4
9·4	54·3	6·0		
10·1	55·3	42·8		
9·4	56·0	58·8		9·4
10·0	43 5·2	45·0		
10·1	10·2	45·0		
10·2	12·7	27·6		
8·8	15·2	54·7		9·3
9·4	16·2	36·2		9·8
9·4	20·7	58·9		9·1
9·0	25·2	15·9		9·3
9·2	26·7	17·2	Ca	9·0
9·8	29·7	43·0		
9·0	41·2	31·4	C	9·1
10·0	48·2	1·5		9·8
	+1 4·5	−1·5		

1681—1740.

mag.	6h. m s	—20° '		
10·3	43 50·7	31·6		
10·1	44 1·7	47·2		10·
9·2	3·2	11·2		9·4
10·4	12·2	1·0	}	9·4
9·8	12·2	1·3	}	
9·3	25·2	1·1	C	8·8
9·5	30·7	19·2	Ca	9·0
10·1	31·2	26·2	}	9·5
10·2	31·2	26·0	}	
8·8	31·7	57·1		8·8
10·4	32·2	0·3		
9·8	33·2	39·5		9·5
10·3	36·2	24·1		
9·8	42·2	2·4		
10·4	49·2	57·6		
10·4	45 7·2	54·7		
8·9	8·2	13·0	Ca	9·0
10·2	9·2	51·3		
10·4	12·7	50·5		9·8
10·4	14·2	51·2		
8·6	20·9	47·6		9·0
7·6	22·4	41·5	GCbl	7·6
7·2	30·9	45·9	GCbl	7·5
10·4	40·4	2·2		
9·3	54·9	49·0		9·7
10·1	55·1	59·0		
10·1	55·4	7·2		9·6
9·0	56·4	32·0		9·5
10·0	59·4	17·2		
9·3	46 8·9	7·5		9·4
9·8	14·9	59·6		9·5
9·5	18·9	59·1		9·4
10·4	24·9	34·4		
10·3	26·9	38·1		
9·6	29·9	53·6		9·8
10·1	48·9	51·4		10·
10·2	49·4	19·3		
10·3	56·9	5·8		
10·1	57·4	36·4		9·5
9·8	47 1·4	10·8		9·5
9·3	10·9	41·0		8·8
10·1	14·9	14·3		
10·4	20·9	17·7		
10·1	27·9	40·2		
9·3	37·5	23·3		9·8
10·4	40·7	8·2		
10·2	42·5	25·3		
10·4	43·2	44·7		
10·4	55·9	0·5		
5·0	48 8·8	4·4	GSlπβ	5·4
10·4	10·2	51·9		
10·2	11·2	51·0		
10·3	11·8	40·9		
9·1	12·2	20·4		9·2
9·9	32·2	17·1		9·5
10·3	33·5	17·4		
10·4	34·2	41·7		
10·0	36·0	44·4		
9·4	36·2	40·0		9·7
10·4	43·2	1·8		
	+1 4·6	−1·7		

1741—1800.

mag.	6h. m s	—20° '		
10·4	48 43·2	3·9		
10·4	50·2	19·8		
9·5	58·2	18·2		9·5
10·4	58·2	54·3		
9·5	49 1·2	32·1		
9·9	1·2	25·3		
9·6	2·2	29·6		9·8
10·2	8·2	12·5		
9·9	9·2	17·7		
9·7	17·2	3·7		
9·5	19·2	17·7		9·8
10·3	30·7	3·4		
8·9	37·7	17·0		
8·8	38·2	15·7		(9·1)
9·0	39·2	31·1		9·2
6·2	39·2	14·8	GSlπβ	6·8
9·0	41·2	15·5	bl	(9·1)
9·3	49·2	48·4		9·2
10·0	53·4	2·0		
9·6	57·2	28·4		
10·4	50 2·2	8·4		
10·2	7·0	58·0		
10·4	10·2	43·8		
10·3	12·2	38·0		
9·5	13·2	9·5		
10·2	13·2	14·1		
10·2	19·2	27·3		
10·2	26·2	44·6		
10·2	31·2	13·0		
10·3	33·7	41·9		
10·0	41·7	34·0		9·4
10·3	46·7	35·4		
9·4	47·2	6·3		
9·6	53·2	47·4		
10·0	53·2	29·6		
8·9	53·7	12·8	C	9·2
9·1	55·7	30·0		9·5
9·4	56·7	19·6		9·5
10·3	51 3·7	54·3		
9·6	5·7	19·0		
10·0	16·7	7·1		
9·5	20·2	9·4		9·5
10·0	28·2	7·6		10·
9·1	29·2	59·2		9·5
7·8	33·0	56·4	Cb	8·2
9·5	33·2	51·1		9·8
9·5	39·2	8·4		10·
9·3	42·2	11·9	C	9·3
9·4	51·7	8·0		
10·2	54·2	4·5		
10·4	55·7	28·6		
10·4	56·2	47·6		9·8
9·2	52 1·2	17·2	}	9·3
9·4	2·2	17·2	}	
10·0	3·2	12·6		
9·2	9·2	48·6		9·0
8·5	12·2	53·1	Cbl	8·0
9·4	16·2	19·5		9·4
10·4	27·7	50·7		
9·4	30·2	2·7		9·5
	+1 4·6	−1·8		

1801—1860.					
	6h.		—20°		
mag.	m	s	′		
10·3	52	30·2	35·5		
10·0		31·2	20·5		
8·8		39·2	48·1		9·2
10·0		39·7	59·4		
9·6		49·7	25·0		9·5
9·6		50·2	36·7		9·5
9·6		53·2	52·0		
9·9		53·7	4·5		9·4
9·7		57·2	1·3		9·7
10·2		57·2	24·4		
9·7		57·7	4·2		
9·6		59·2	56·5		9·6
8·4		59·2	21·7	Ca	8·8
9·6	53	2·5	58·5		9·9
10·0		3·2	46·7		
10·2		6·2	9·0		
9·2		9·2	52·4		9·7
10·2		11·1	44·7		9·7
8·8		21·1	26·8	Cal	8·3
10·4		22·1	44·8		
10·4		26·1	16·4		
9·4		26·1	19·1		
10·4		41·1	9·9		
9·3		42·1	30·1		9·4
9·9		42·1	48·7		10·
10·0		42·6	25·7		
8·0		44·1	37·4	Cal	8·5
9·4		45·6	28·6		9·5
9·5		46·6	25·3		9·6
9·2		57·9	58·8		9·3
10·2	54	11·1	44·9		
9·8		13·1	39·1		
9·4		16·1	8·3		9·5
9·2		16·1	37·3	a	9·1
9·9		20·1	42·2		9·5
9·7		23·1	23·4		9·8
10·3		24·8	1·5		
9·0		42·1	26·4		9·0
9·4		55·9	57·7		9·4
9·6		59·1	16·5		9·5
10·2	55	3·1	46·9		
9·3		3·1	49·0		9·5
10·3		3·6	23·9		
7·2		12·1	27·9	GCal	7·5
10·0		12·1	36·3		
8·5		18·1	30·1	Cal	8·2
10·2		20·6	9·1		
10·4		22·1	41·2		
10·3		23·1	19·0		
9·2		25·1	35·9		9·1
9·8		27·9	58·3		9·1
9·2		38·1	14·2		9·4
10·0		44·1	0·0		
10·3		46·1	37·9		
10·0		51·1	41·1		
8·5		51·6	23·7	Ca	9·0
9·6		55·1	18·0		9·8
10·2		59·6	0·8		
10·3	56	4·1	40·7		
9·2		6·1	23·2		9·5
25pr.	+ 1	4·6	−2·0		

1861—1920.					
	6h.		—20°		
mag.	m	s	′		
9·6	56	8·1	19·3		
10·4		8·1	43·7		
9·8		9·4	59·9		
10·3		12·1	7·0		
10·3		13·1	10·0	×	
10·4		13·2	20·0		
9·0		18·1	19·5		
9·4		18·1	12·1		9·5
9·7		19·1	54·1		9·8
9·9		20·1	6·0		9·8
10·2		22·1	9·4		
9·2		22·1	27·3		9·8
9·2		24·1	46·6		9·0
10·4		27·1	23·6		10·
9·6		33·6	40·3		9·5
10·4		36·1	26·3		
10·2		42·1	21·5		
9·4		51·1	9·0		9·5
9·0	57	10·1	29·4		9·2
8·6		15·1	55·4		9·0
9·0		15·1	48·3		9·2
8·7		25·1	8·7	a	9·2
10·4		32·1	21·3		
9·4		36·1	50·4		9·5
8·5		41·6	34·3	Cbl	8·7
10·2		44·1	8·7		
10·0		49·1	2·8		
10·3		50·1	39·9		
10·3		54·1	45·7		10·
9·8		57·1	29·0	Ca	9·1
10·2	58	0·1	12·0		
10·0		3·1	42·8		
9·4		12·1	54·1		9·1
8·8		12·1	56·8		9·1
9·4		14·1	34·5		9·4
10·3		14·6	4·9		
10·0		17·5	1·0		
9·4		18·1	29·4		9·5
10·2		18·6	43·7		
8·8		20·1	14·2	Ca	9·0
10·2		26·1	54·3		
10·4		28·6	57·4		
9·5		31·1	1·8		
9·2		31·6	30·9	a	9·1
10·4		34·0	59·2		
9·5		36·1	48·1		9·6
9·9		41·1	21·0		
10·0		41·1	2·5		
10·4		58·4	59·8		
10·2	59	2·9	1·3		9·8
10·2		5·1	57·2		9·8
10·4		11·1	43·1		
9·8		12·1	27·0		
9·8		16·1	20·0		9·7
9·3		29·6	20·3		9·5
8·6		31·1	38·7	Cbl	7·3
10·2		33·1	27·8		
8·6		33·1	52·3		8·8
9·0		37·1	37·8		9·5
8·4		40·6	1·1	C	7·5
	+ 1	4·7	−2·1		

1921—1980.					
	6h.–7h.		—20°		
mag.	m	s	′		
10·2	59	42·1	26·5		
8·7		43·1	32·0	Ca	8·5
9·6		44·6	55·5		
9·2		53·1	28·1		
9·9		54·1	3·5		9·7
10·4		56·6	27·7		
10·2		59·6	47·9		
10·4	0	1·1	45·5		
8·8		1·6	13·2		9·0
10·0		6·1	46·5		10·
9·8		7·1	44·1		9·8
10·2		12·1	35·9		
8·2		18·1	36·2	Ca	8·7
9·5		22·1	45·0		9·5
10·3		22·6	49·0		
10·3		23·6	24·5		
9·9		25·6	50·0		10·
9·3		30·1	14·1		
9·8		31·6	25·5		
9·8		37·6	56·7		9·8
10·4		39·6	23·1		
10·2		40·6	30·9		
9·9		43·1	32·2		
10·4		44·6	58·5		
10·4		46·1	29·9		
10·3		53·1	52·5		9·8
9·1		55·6	49·4	a	8·9
9·6		56·1	5·7		
10·3		56·6	7·7		
9·9	1	12·1	47·3		
9·6		17·6	30·9		9·8
9·7		31·1	14·1		9·5
10·3		33·6	4·8		
10·4		40·6	48·7		9·8
9·5		42·1	6·6		9·5
10·4		42·1	27·7		
8·7		43·1	12·1	C	9·2
9·5		48·6	40·3		10·
10·4		49·9	56·9		
9·8		52·1	21·2		
8·9		52·6	5·7	C	8·4
10·0		52·6	36·2		10·
9·7		57·1	37·2		10·
9·3		58·6	42·9		9·5
9·4	2	0·6	23·3		9·8
10·4		1·6	35·1		
9·4		3·1	41·7		9·4
9·9		6·1	34·3		9·4
10·2		7·1	33·9		
10·2		8·1	46·6		
10·4		10·1	41·9		9·8
9·4		11·1	47·7		9·4
10·0		19·6	12·3		
10·2		26·1	16·2		
9·4		30·1	33·7		10·
9·8		38·6	9·9		9·5
9·2		42·6	20·9		9·3
9·4		47·1	33·0		9·1
9·9		52·6	7·9		
9·8		53·6	56·3		
	+ 1	4·7	−2·2		

1981—2040.					
	7h.		—20°		
mag.	m	s	′		
8·6	2	58·1	39·7	Cbl	7·0
9·8	3	6·1	30·5		9·8
10·2		6·9	57·5		
9·4		12·1	5·9		9·6
10·2		12·2	12·7		
9·4		13·7	54·5		9·5
10·2		17·7	52·5		
9·2		19·2	46·1		9·0
10·4		25·2	28·6		
9·8		27·7	57·9		
10·3		29·1	50·3		
9·4		30·2	17·9		9·1
9·4		30·2	10·5		9·7
10·0		31·2	11·5		
9·4		32·7	0·0	C	8·9
9·8		36·2	44·1		
10·4		44·6	3·5		
10·4		51·7	22·9		
9·8		52·2	27·5		9·8
8·6		56·2	38·8	a	8·7
9·4		57·2	49·9		9·7
10·4		59·2	51·3		
10·4	4	5·7	44·3		
10·3		17·7	20·3		
9·5		18·2	18·8		9·8
9·2		22·2	27·1	Ca	9·1
10·2		27·2	7·6		
10·3		27·2	13·1		
9·9		28·2	12·5		9·6
8·8		31·2	29·1	Ca	8·8
10·4		36·2	54·5		
10·2		36·2	58·9		10·
9·4		40·2	21·2		9·5
9·9		42·2	35·5		
9·6		49·2	56·8		9·4
10·0	5	3·7	37·7		
10·4		3·7	26·0		
8·1		4·2	4·3	Cbl	7·8
9·0		28·2	8·0		9·3
10·4		30·7	39·0		
10·2		32·2	54·9		9·7
10·0		37·2	28·5		
8·8		39·2	5·0	Ca	9·0
10·2		41·7	3·9		9·6
10·4		46·2	41·2		
9·7		53·2	4·3		9·9
10·2		53·7	3·7		
9·7		55·7	47·8		10·
10·4		59·2	3·6		
9·6		59·2	28·3		9·9
9·5	6	2·2	34·9		9·6
10·3		2·2	39·4		
9·8		2·7	29·4		
9·3		8·4	0·6	a	9·1
10·3		17·2	51·3		
6·4		17·7	40·6	GCbl	6·2
10·4		27·2	58·5		9·8
9·2		30·0	0·4		9·3
10·3		31·2	26·8		
9·9		33·2	11·0		9·7
	+ 1	4·8	−2·3		

2041—2100.

mag.	7h. m	s	—20° ′		
10·0	6	37·7	36·3		
10·4		37·7	14·1		
10·4		38·7	26·6		
8·9		40·2	11·8		8·9
9·8		40·2	45·7		10·
10·3		40·2	26·0		
10·4		41·2	56·4		
9·4		42·2	26·5		9·7
10·2		46·2	15·9		
10·3		47·7	46·8		9·8
10·4		49·7	10·2		
9·8		53·2	10·1		
10·3		55·2	15·7		9·7
9·1		57·2	24·0	a	9·0
9·2		59·2	11·8		9·5
9·4	7	3·2	7·1		9·4
9·6		3·2	8·0		
10·3		3·2	32·8		
8·8		4·2	26·2	a	9·0
8·8		7·2	51·4		9·0
10·0		14·0	6·3		
9·0		14·0	38·6	C	8·8
10·4		22·2	1·4		
10·0		26·2	11·4		
10·2		27·0	31·5		
9·1		30·0	48·2		9·2
9·9		37·0	7·2		
8·2		45·0	22·2	Ca	8·2
9·4		47·0	39·7		9·3
9·8		49·0	6·9		
9·0		52·0	1·4	a	9·3
9·5		55·0	7·2		
9·5		59·4	46·9		9·7
10·4	8	0·7	57·4		
10·2		3·2	41·9		
9·4		3·5	31·3	Ca	9·0
9·8		4·0	7·6		
9·8		5·0	23·2		
8·6		6·0	55·0	Ca	8·4
9·1		6·0	47·6		9·5
10·1		9·4	8·0		
10·4		9·7	20·3		
9·2		13·9	23·1		9·6
10·4		14·0	44·8		
9·8		16·4	14·3		
9·0		21·5	14·0		9·3
10·4		21·7	31·8		
9·1		23·2	13·2		9·3
10·4		27·7	32·3		
10·0		30·0	7·1		
8·8		30·5	56·0	a	9·1
9·7		30·7	9·7		9·4
9·0		31·7	19·1		9·0
9·5		43·7	21·4		10·
9·6		49·2	6·2		
9·1		49·7	53·6	a	8·9
10·1		56·2	52·4		
10·4		59·2	20·6		
8·5		59·7	42·2	Ca	8·5
9·8	9	0·3	2·1		9·7
25pr.	+ 1	4·9	—2·4		

2101—2160.

mag.	7h. m	s	—20° ′		
10·3	9	2·7	52·5		
8·8		3·2	53·6	a	8·9
9·5		6·2	55·0		
9·0		8·7	56·0		9·3
8·9		9·2	47·8		9·4
9·1		17·2	51·7	a	8·9
10·0		22·5	57·8		
8·9		23·7	13·8		9·1
10·0		24·7	26·1		
8·4		25·0	48·6	Ca	8·2
9·9		26·0	37·8		9·5
10·2		26·5	23·8		
10·2		29·5	59·8		
10·0		31·5	14·1		
9·4		33·0	24·2		9·5
9·8		38·0	38·5		
9·9		39·5	48·0		
8·9		47·0	8·1		9·1
9·3		55·0	32·4		9·8
9·2		56·5	45·1	Ca	8·9
9·6		56·5	33·8		10·
9·6		59·0	38·8		9·8
9·4	10	15·5	38·6		10·
9·8		17·5	17·6		
9·8		19·5	0·8		
10·3		20·5	33·6		
9·7		22·0	51·8		9·8
10·4		22·0	26·6		
10·2		23·5	34·0		
9·5		26·0	7·9		9·2
9·2		26·5	18·1		9·8
10·3		31·5	9·8		
10·3		32·5	52·5		
9·2		32·5	21·1	Ca	9·1
9·2		35·0	8·3		9·2
9·9		35·0	30·1		
9·2		35·2	59·4		9·5
10·2		37·5	39·4		
9·4		44·0	29·8		
10·3		48·5	10·8		
8·9		50·0	11·1	Ca	9·2
9·6		50·9	57·8	a	9·2
9·7		51·0	0·0		9·4
10·1		51·8	45·4		
10·1		52·8	12·1		
9·6		53·3	23·9		10·
10·0		54·8	55·8		
9·5	11	0·1	57·6	a	9·2
9·5		9·2	0·9		9·7
9·6		10·3	38·6		
10·0		10·3	34·8		
9·8		11·3	17·7		9·8
9·9		16·3	22·5		
10·2		17·8	45·4		
9·5		18·8	44·0	a	9·3
10·2		20·8	39·2		9·8
9·9		22·8	54·9		
9·8		32·8	59·1		9·6
9·7		33·8	32·2		
10·0		36·4	47·7		
	+ 1	4·9	—2·5		

2161—2220.

mag.	7h. m	s	—20° ′		
10·2	11	38·8	33·6		
10·1		40·6	57·0		
8·6		41·8	58·0	Cbl	7·3
9·6		41·8	9·8		9·4
10·0		43·3	25·5		
9·8		45·8	19·1		
9·4		51·3	20·3		9·5
8·6	12	1·3	14·3	C	8·7
8·7		1·8	58·5	Cal	8·3
9·2		5·3	50·6		9·4
10·2		5·3	8·5		
9·5		6·8	0·9		9·8
9·8		9·2	4·6		9·8
9·2		12·7	13·4		9·4
10·3		14·2	34·4		
10·4		16·5	0·2		
9·1		16·7	39·8	Ca	8·7
10·4		20·2	42·0		
9·7		21·7	31·5		
10·3		23·2	56·6		
10·3		25·2	26·1		
9·6		31·2	10·9		10·
9·9		31·7	46·6		
10·1		33·7	39·0		
9·6		34·7	15·5		9·4
9·8		35·2	18·7		
10·3		36·2	57·3		
10·0		36·2	44·7		
9·3		38·2	42·2		9·7
9·2		45·7	40·5		9·5
9·9		47·7	23·5		9·4
10·2		48·2	21·7		
10·1		52·2	56·0		
9·3		52·7	52·4	a	9·2
9·8		53·2	27·2		9·7
9·9		54·2	8·8		
9·4		55·7	57·1	a	9·1
8·9		55·7	39·4	Ca	8·9
9·0		57·7	22·5	Ca	8·7
10·2	13	2·7	30·5		
9·8		6·2	59·0		
9·7		6·2	21·9		
10·4		9·2	55·2		
9·2		9·7	14·2		9·7
10·3		12·2	46·4		
10·0		12·2	5·2		
9·8		15·2	8·9		
9·9		16·1	1·2		
10·4		21·0	6·9		
9·6		27·5	41·5		10·
9·8		32·0	48·1		
8·8		41·5	24·4		9·0
8·7		44·5	26·1	a	8·9
9·4		50·5	4·0		9·5
10·2		51·5	8·4		
10·0		57·5	48·9		
10·3	14	6·0	24·8		
9·9		8·0	35·7		
10·1		14·0	42·9		
10·4		25·5	59·8		
	+ 1	4·9	—2·6		

2221—2280.

mag.	7h. m	s	—20° ′		
10·2	14	27·7	39·8		9·7
9·8		29·0	53·1		10·
9·7		29·5	8·5		9·9
9·6		31·0	29·3		
10·4		31·0	52·9		
9·8		32·5	21·4		
7·5		40·0	28·4	Cal	7·4
9·6		41·5	15·1		9·1
8·9		41·5	30·7	a	9·0
10·3		42·0	22·5		
10·4		42·3	1·6		
10·4		42·5	31·6		
9·4		42·5	0·4		9·8
9·6		42·5	54·9		9·3
10·4		43·5	31·2		
9·5		47·5	54·6		9·8
10·0		50·0	28·9		
10·3		52·0	24·2		
10·0		55·5	31·8		
9·8		58·9	8·8		
9·4		59·9	48·6		10·
9·4	15	2·9	49·2		9·7
9·2		6·4	33·4		9·7
8·9		9·9	15·7		9·3
8·9		11·9	59·9	a	9·2
10·0		15·4	34·9		
9·6		20·4	32·3		
9·6		21·9	52·8		10·
9·8		23·9	58·1		
9·0		25·9	45·0		9·3
10·4		27·4	33·0		
7·8		29·4	25·0	Cal	7·8
10·4		32·4	54·8		
9·2		36·9	43·8		9·2
10·2		38·9	33·7		
10·2		40·4	12·0		
10·1		42·9	26·0	}	9·8
10·1		42·9	25·8	}	
10·2		43·3	1·1	?	
10·2		45·4	29·7		9·7
10·2		48·4	30·3		
9·1		48·9	4·7		9·2
9·3		48·9	54·7		9·7
8·8		50·4	32·2	a	9·2
10·1		52·9	44·7		9·5
10·0		56·9	51·1		9·8
9·7	16	2·4	20·4		
9·8		5·9	51·6		
10·3		5·9	8·3		
9·7		12·4	12·0		9·8
10·3		15·3	24·6		
8·9		16·3	17·7	a	8·8
9·2		16·8	32·1		9·7
10·2		18·3	17·6		
8·6		19·8	10·7	Cal	8·9
10·3		20·8	46·5		
10·3		20·8	39·2		
9·7		21·3	31·0		
9·3		22·8	2·0		9·9
10·3		23·8	11·5		
	+ 1	4·9	—2·7		

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2281—2340.

mag.	7h. m	s	—20° ′		
10.2	16	25.3	46.5		
9.8		25.8	15.9		
9.7		28.8	23.5		
9.6		30.8	37.6		9.8
10.3		32.8	3.7		
9.4		34.8	50.8		9.8
10.3		35.3	26.5		
9.5		39.3	50.2		9.8
10.3		40.3	5.8		
9.4		41.1	2.9		9.5
10.1		41.3	17.3		
9.8		41.3	35.6		
9.2		44.8	2.9		9.5
10.3		44.8	10.8		
10.1		52.8	44.1		
9.5		55.3	33.2		10.
9.3		55.3	18.9		9.1
9.7		55.3	19.6		
9.7		56.3	58.2		
8.7		57.3	16.2	Cal	7.8
10.3	17	1.3	8.5		
9.9		2.3	23.9		
9.0		2.8	36.8		9.2
10.2		5.8	22.1		
9.0		11.8	40.4		9.2
9.0		13.3	57.4	C	8.8
9.8		15.4	9.8		
10.4		15.9	20.0		
9.7		17.4	55.5		9.4
9.8		22.4	9.9		
9.0		24.4	31.1	a	9.2
10.3		25.9	10.0		
9.8		26.4	2.8		9.4
8.9		27.4	39.0		9.4
10.2		30.7	57.5		
9.6		31.4	55.6		9.8
10.0		44.4	37.8		?
9.2		45.4	33.4	a	8.9
9.4		45.4	37.1		10.
10.4		50.4	7.5		
9.8		55.4	14.3		
9.6		56.4	38.1		9.5
10.0		58.9	35.7		
8.9	18	1.4	26.8	a	8.7
10.0		10.4	16.0		
9.4		19.4	33.5		9.2
9.9		21.4	46.8		
10.2		21.4	15.2		
10.1		21.4	12.8		
9.8		21.9	4.9		
10.2		24.4	17.9		
9.7		26.4	7.9		
8.6		28.4	28.0	Ca	8.5
10.4		34.8	55.1		
10.2		35.4	6.8		
10.2		41.4	35.0		
9.5		41.9	18.4		9.9
9.9		44.9	32.8		
10.0		49.4	24.0		9.8
9.6		49.4	35.2		
25pr.	+1	5.0	−2.8		

2341—2400.

mag.	7h. m	s	—20° ′		
9.9	18	53.4	37.8		
9.6		57.4	19.7		
8.9	19	1.4	52.1		9.1
10.1		1.4	30.3		
9.6		3.4	24.0		
9.4		4.4	9.2		9.8
9.0		5.9	21.3		9.4
10.2		5.9	5.1		
9.9		7.4	42.6		9.5
9.6		9.4	7.3		
9.5		11.4	17.4		
9.5		12.4	4.7		10.
10.4		12.4	29.3		
10.1		14.4	29.4		
10.2		14.9	8.4		
9.4		15.4	32.8	a	9.3
8.9		17.4	28.0	a	9.3
9.0		19.4	41.6		9.4
9.0		24.9	41.6		9.4
10.1		26.4	51.8		
9.8		31.9	19.3		
10.4		32.9	5.5		
9.9		33.9	21.3		
10.0		36.4	32.8		
8.6		36.4	46.5	C	8.7
8.5		37.9	55.0	al	8.5
9.4		39.4	7.2		9.1
10.4		39.4	13.0		
9.4		41.4	46.1		9.4
7.1		43.9	55.8	GCal	7.3
10.4		45.4	42.0		
10.2		45.4	24.1		
10.4		46.9	34.2		
10.4		47.9	35.2		
8.7		47.9	46.8	Ca }	8.5
9.2		49.4	47.3	}	
9.6		50.4	34.6		
10.2		50.4	46.2		
9.6		51.4	46.0		
9.5		53.4	25.0		9.8
10.2		54.4	45.8		
10.2		59.4	6.6		
9.8	20	1.4	40.1		
9.4		1.4	10.2		9.3
9.8		2.4	21.4		9.7
9.6		5.4	5.4		9.5
9.6		5.4	56.6		9.8
9.4		10.4	30.4		10.
9.4		10.9	9.8		9.7
9.8		12.4	47.9		9.8
10.0		14.4	56.9		
9.4		16.4	15.9		
9.5		20.9	5.4		9.5
9.6		21.4	6.0		
8.6		22.4	42.6	GCal	8.0
9.0		22.4	39.1		9.3
9.8		23.4	25.9		
10.1		26.2	59.4		
10.0		26.4	11.2		
9.0		28.4	38.7		9.3
	+1	5.0	−2.9		

2401—2460.

mag.	7h. m	s	—20° ′		
9.9	20	29.4	26.7		
9.4		30.6	0.7		9.6
9.8		31.4	18.4		
9.5		37.4	53.6		
9.4		38.9	10.0		
9.9		41.4	44.1		
9.8		43.9	48.3		
10.1		43.9	45.6		
8.3		45.4	9.2	C	8.2
10.4		47.4	32.4		
7.5		48.4	39.4	GCal	7.3
10.4		52.4	28.5		
9.2		52.4	38.8		9.4
10.0		54.9	31.1		
10.4		56.9	54.7		
10.2		57.4	20.6		
9.4		58.4	28.5		9.7
10.0		59.4	50.1		9.5
10.4	21	1.4	38.3		
9.0		2.4	16.8		9.2
9.2		3.9	44.8		9.3
9.4		6.4	2.9		9.1
10.3		8.4	16.5		
10.3		8.9	35.3		
9.8		11.4	14.4		
9.4		13.2	48.1		
9.4		13.7	27.1		
9.4		16.2	28.2		9.9
10.3		17.7	14.7		
9.0		20.7	21.4		9.4
9.6		21.7	40.1		9.5
9.5		23.2	27.1		
10.1		28.2	45.7		
10.0		28.7	12.2		
10.1		28.7	51.6		
9.8		30.7	28.7		
9.1		34.7	39.1	a	9.4
9.6		39.2	3.3		
9.3		41.2	8.9		10.
10.0		44.7	3.3		
9.1		49.7	22.1		9.5
9.8		55.2	1.8		9.7
9.8		55.2	22.7		
10.3		58.7	45.2		
9.9		59.2	12.2		
10.1	22	1.2	10.5		
9.4		1.2	32.1		9.5
9.6		2.2	31.8	a	9.1
10.3		5.2	36.9		
10.4		5.3	25.2		
10.0		10.2	30.6		
8.7		10.2	53.7	Cal	7.8
10.0		15.2	26.5		
10.3		17.7	16.6		
10.0		19.7	47.8		
9.8		20.7	39.2		9.5
10.4		22.2	37.7		
8.9		28.2	14.7		9.0
10.4		30.7	4.3		
9.8		34.0	17.3		9.8
	+1	5.0	−2.9		

2461—2520.

mag.	7h. m	s	—20° ′		
9.9	22	36.0	31.3		
9.2		42.0	57.0	a	8.8
9.4		49.0	49.1		9.6
9.8		51.0	30.7		
10.0		52.0	54.2		9.5
10.3		55.0	24.3		
10.4		59.0	12.4		
10.4	23	0.0	4.2		
10.0		1.5	8.3		
10.4		3.0	21.0		
9.6		6.5	54.5	a	9.3
10.2		8.3	59.3		9.8
9.7		8.5	38.3		10.
10.2		12.5	26.7		
8.6		16.0	23.5	C	8.9
9.8		16.5	35.6		
10.3		19.5	30.7		
10.0		20.0	33.2		9.4
10.1		22.5	4.5		
10.2		23.0	30.2		
10.1		26.0	40.4		
10.0		32.0	56.4		
9.9		32.0	46.1		
9.7		33.5	3.0		9.5
9.5		34.5	22.5		9.2
9.0		37.0	37.0		9.1
9.8		41.0	26.0		
9.9		42.0	9.1		
10.0		48.5	39.1		
9.9		51.0	23.2		10.
9.6		57.0	10.6		
9.4	24	0.5	45.1		9.1
8.9		2.0	3.2	a	9.1
10.4		2.5	22.3		
9.4		8.5	34.5		9.6
10.3		12.5	23.2		
10.2		19.5	1.7		10.
10.0		25.0	17.5		
10.2		27.8	59.5		
10.4		28.8	58.7		
9.1		30.8	32.3	C	8.8
9.8		30.8	17.9		9.8
10.4		31.8	19.1		
9.8		36.8	23.1		
9.4		40.3	13.7		9.7
9.8		40.8	22.7		10.
10.4		40.8	32.1		
9.7		41.8	12.7		
9.4		45.8	15.1		9.5
9.6		50.8	49.4		10.
9.6		50.8	40.5		
10.3		51.8	11.4		
9.4		51.8	28.4		9.6
9.8		59.3	52.1		9.5
9.8	25	0.8	30.9		
8.0		0.8	32.9	CW	7.7
10.1		1.3	59.8		9.5
9.8		2.8	17.1		9.8
10.0		5.8	48.1		
9.4		13.8	12.8		9.3
	+1	5.1	−3.0		

2521—2580.

mag.	7h. m	s	—20° ′		
9·8	25	14·8	3·5		9·2
9·3		20·8	40·9		9·5
8·6		22·3	45·0		9·1
9·6		25·8	14·0		
9·4		27·8	41·9		10·
10·4		30·8	26·8		
10·3		31·8	25·7		9·8
9·6		40·8	15·3		} 9·4
10·2		41·1	15·3		
10·1		48·3	43·8		
10·4		49·3	9·3		
10·1		51·3	53·9		
9·2		51·8	28·8		9·4
9·4		54·8	55·5		9·8
8·8		54·8	58·4		9·0
9·3		56·8	29·1		9·4
10·4		59·3	39·2		
10·0	26	0·8	43·1		9·6
10·0		1·8	3·9		
9·4		3·3	2·5		9·8
9·7		4·8	37·5		10·
9·3		5·8	42·9		9·5
10·3		6·6	53·8		
9·5		8·6	54·3		9·3
9·4		11·6	12·9		9·8
9·6		12·6	22·5		
9·4		14·6	16·1		
10·4		15·9	50·9		
9·6		16·6	34·7		
9·6		16·6	55·3		9·6
9·6		20·1	52·9		
8·0		25·6	40·1	Cbl	8·0
9·9		27·6	2·8		
10·3		34·6	17·8		
9·7		35·1	4·9		
9·4		36·9	28·1		9·8
10·0		37·1	51·9		9·6
9·8		38·6	7·3		
10·1		38·6	51·5		
8·6		40·6	17·1	Cbl	8·3
10·4		40·6	34·7		
9·7		48·1	19·1		
10·4		48·6	5·7		
9·8	27	1·6	36·5		
9·4		5·6	45·3		10·
9·4		8·6	44·4		9·7
9·4		11·6	29·1		9·9
10·4		12·6	14·9		
9·9		12·6	23·3	l	10·
10·0		12·6	30·9		
9·5		16·6	10·2		9·4
9·8		18·6	24·5		
10·3		18·6	27·2		
8·6		20·6	31·6	Cbl	8·6
10·2		20·6	22·3		
9·0		21·1	13·4		9·3
9·4		21·1	38·7	a	8·6
9·1		29·1	14·0		9·3
10·4		31·5	17·0		
10·4		31·6	14·4		
25pr.	+ 1	5·1	− 3·1		

2581—2640.

mag.	7h. m	s	—20° ′		
9·7	27	31·9	39·2		9·4
10·4		35·0	38·4		
10·1		37·5	45·6		
9·3		38·0	27·1		9·3
10·4		39·5	56·1		
9·4		43·5	22·1		9·4
8·5		43·5	26·1	Cbl	8·7
9·6		45·5	43·2		
10·1		46·0	30·4		
9·6		47·5	31·0		
9·1		50·5	4·5		9·1
10·3		51·0	42·3		
10·4		53·0	39·1		
9·6		54·0	13·2		
9·4		55·3	59·9		9·8
10·0		59·1	20·7		
10·4	28	1·0	20·5		
10·0		1·3	51·6		
10·2		3·0	38·9		
9·6		4·1	52·2		9·7
9·1		7·5	28·2		9·4
10·4		8·9	56·9		
10·1		9·5	45·5		
10·2		10·5	42·5		
10·0		12·0	11·8		9·7
9·4		12·4	45·2		9·8
9·9		13·5	56·8		
9·9		18·7	14·7		
10·3		19·6	39·9		
9·9		20·7	20·3		9·6
10·4		21·2	34·5		
10·0		22·4	27·1		
10·2		23·7	54·0		
10·5		26·0	45·2		
8·9		27·7	32·6	C	9·2
10·5		27·7	18·6		
9·2		30·7	42·4		9·2
10·5		34·2	42·5		
9·8		40·2	26·3	C	9·1
9·4		41·5	2·3		9·5
10·4		41·6	13·6		
10·3		41·6	10·4		
9·6		42·6	7·7		9·5
9·2		43·6	37·0		9·3
10·4		45·1	32·1		
10·5		47·1	31·5		
10·5		47·6	11·0		
10·4		49·1	10·7		
10·5		49·1	16·2		
9·6		50·6	46·2		9·2
10·1		53·1	57·3		10·
10·4		59·1	13·6		9·8
10·2		59·1	54·2		
10·5	29	0·2	59·6		
10·3		0·6	16·5		
8·8		2·1	44·1	a	8·8
10·1		3·6	54·7		
10·4		4·1	19·3		9·8
9·9		4·1	8·7		9·5
9·2		4·6	10·1	C	8·8
	+ 1	5·2	− 3·1		

2641—2700.

mag.	7h. m	s	—20° ′		
10·5	29	12·1	49·1		
9·2		12·6	47·1		9·1
10·2		16·2	38·0		
9·2		18·6	42·8	a	8·7
9·2		19·6	32·9		9·3
9·6		24·1	15·9		
9·8		28·6	35·2		
10·4		31·6	42·7		
10·2		33·1	33·4		
9·4		35·1	22·8		9·2
9·6		37·1	5·3		9·4
10·5		39·6	28·0		
9·9		43·1	54·7		9·8
10·5		46·6	20·4		
10·0		46·6	42·3		9·7
8·8		47·1	35·3		9·3
10·5		52·0	1·9		
9·2		52·6	35·9		9·5
10·1		57·1	15·2		
10·2		58·0	56·9		
9·8		58·6	27·6		10·
8·5	30	0·6	13·3	Ca	8·5
10·4		0·6	50·6		
9·5		5·6	59·9		9·5
9·8		5·6	5·6		9·5
8·5		8·6	15·3	Ca	8·9
9·6		9·6	16·5		
9·2		15·1	8·2		9·3
10·0		27·6	13·7		
10·0		28·6	30·3		
10·1		31·1	48·3		9·5
9·4		33·1	24·6		9·8
9·9		33·6	40·0		
10·4		34·6	33·7		
9·4		36·6	0·1	C	8·9
10·4		37·6	24·0		10·
9·2		37·6	32·8		
9·8		39·6	37·7		9·8
10·3		40·6	21·3		
9·1		43·8	57·6		8·8
9·4		44·1	18·9		9·8
10·5		44·1	17·0		
10·5		45·1	21·0		
10·0		50·1	5·7		
10·1		50·6	19·6		} 10·
9·8		50·6	19·9		
10·0		52·6	18·1		10·
10·4		53·1	31·1		
10·5		58·1	24·7		
10·4		58·6	11·1		
9·4	31	0·6	23·6		9·8
10·4		2·1	32·8		
10·2		3·6	8·7		
10·3		3·6	50·2		
9·8		4·1	35·3		
10·4		12·6	0·9		
9·8		13·1	11·2		
10·5		16·6	18·4		
10·5		25·1	22·2		
10·3		26·1	45·2		
	+ 1	5·2	− 3·2		

2701—2760.

mag.	7h. m	s	—20° ′		
10·3	31	26·1	58·6		9·3
10·2		27·8	59·7		
9·8		28·1	2·8		
8·4		28·1	38·6	C	8·8
10·4		28·1	47·9		
9·4		28·8	58·6		9·3
9·9		31·0	54·6		
8·1		31·1	46·5	Ca	8·6
9·2		31·1	37·5		9·0
9·8		38·1	15·6		9·8
9·1		38·6	18·1		9·0
9·4		39·1	12·8		9·5
9·8		41·6	35·0		
8·5		44·0	1·1	Ca	8·3
9·8		44·6	56·0		
10·5		45·1	28·1		
9·9		45·1	10·1		10·
10·4		49·6	6·3		10·
9·5		52·6	19·5	C	9·0
10·2		58·6	31·0		
9·6		59·6	42·0		
9·8	32	8·1	30·2		
9·8		11·1	29·5		
9·9		11·1	16·5		9·8
9·8		12·1	23·9		
9·8		13·6	3·6		9·5
10·3		13·6	57·0		
9·6		16·6	10·6		
9·9		20·6	24·4		9·8
10·4		22·6	32·4		
10·4		26·1	45·1		
10·2		28·1	17·6		
10·4		28·6	6·2		
10·4		29·6	31·3		
10·2		30·1	20·7		
9·6		31·1	34·9		
9·4		40·1	38·5		9·8
10·3		42·6	39·6		
9·4		44·6	27·5		9·4
10·0		45·1	19·3		
10·2		45·6	43·0		
9·9		50·4	56·4		
9·8		50·9	35·1		
9·4		53·4	54·9		9·7
9·9		54·9	41·0		9·8
9·8		55·2	34·3		
10·3		56·9	55·7		
9·2		59·4	29·5		9·3
10·5	33	3·4	34·5		
10·1		6·9	34·0		9·9
10·5		9·2	56·8		
10·2		9·9	29·2		
9·4		10·9	49·8		9·6
9·6		12·9	35·9		9·8
9·8		13·4	4·3		
8·7		29·4	25·2		8·9
10·4		29·4	14·0		9·8
10·4		29·9	47·3		
10·1		31·9	56·2		
10·0		32·4	50·7		
	+ 1	5·3	− 3·3		

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2761—2820.

mag.	7^h. m s	—20° ′		
10·3	33 36·9	56·1		
10·5	39·4	21·3		
10·5	40·4	4·8		
10·3	45·4	40·3		9·7
9·4	45·9	4·0	a	9·0
10·0	46·4	18·4		
10·4	46·4	0·2		
10·3	49·4	21·8		
9·8	50·4	39·6		
10·5	53·2	34·5		
9·8	56·4	55·4		9·8
9·4	56·4	21·0		9·4
8·8	58·9	23·1		9·1
9·8	34 0·9	15·1		9·5
10·2	1·4	36·5		
9·8	6·4	55·3		9·7
9·8	10·9	55·1		10·
10·5	11·9	9·0		
9·6	13·4	55·5		9·9
10·0	22·8	8·0		
9·6	24·3	7·3		9·6
9·6	25·0	59·0		9·7
9·2	26·8	26·9		9·2
10·1	26·8	2·4		
9·8	32·3	20·9		
8·8	36·8	31·4		8·8
9·8	40·8	56·6		9·6
10·5	42·3	45·7		
9·4	43·3	28·6		
10·3	43·8	36·2		
10·4	45·8	9·7		
9·8	48·8	34·0		
10·4	50·3	14·6		
10·1	52·3	40·0		9·8
9·6	52·8	16·3		9·3
10·3	52·8	55·3		
9·0	35 1·8	44·2		8·8
10·5	4·8	43·6		
9·4	5·8	27·5		9·1
8·7	6·8	28·2	C	8·8
10·4	10·8	37·5		
9·4	11·3	56·4	b	8·8
10·3	12·3	53·0		
9·6	13·8	20·8		9·4
8·1	20·3	40·0	C	8·2
10·1	23·8	46·4		
9·2	28·0	59·7		9·4
10·4	31·8	14·7		
10·3	32·0	47·5		
8·7	32·3	4·4	Ca	8·7
10·4	32·6	58·5		
10·0	40·2	59·2		
10·4	40·3	43·1		10·
8·3	44·6	57·5	Cbl	7·8:
9·8	45·7	13·2		
8·9	47·7	2·6	Ca	8·6
9·2	47·7	4·8	a	9·0
9·6	47·7	48·7		10·
8·5	36 2·7	25·6	C	8·7
9·6	3·2	12·4		9·3
25pr.	+ 1 5·4	− 3·4		

2821—2880.

mag.	7^h. m s	—20° ′		
10·5	36 3·6	0·6		
10·5	4·2	0·2		9·5
8·4	6·4	57·6	bl	8·7
10·4	10·2	3·2		
10·2	12·0	26·3		9·8
9·8	13·2	49·1		9·8
10·5	13·2	7·6		
10·1	18·2	21·0		
10·1	19·2	43·2		
10·1	19·7	10·4		
9·4	20·7	55·4		10·
10·4	22·0	21·3		
9·1	23·7	49·6		9·7
10·5	26·7	38·7		
10·5	29·7	50·5		9·8
10·5	32·2	32·7		
9·8	32·7	11·0		9·8
10·5	35·7	14·5		
9·2	43·7	47·1		9·2
9·4	47·7	16·4		9·2
10·2	50·2	35·1		
10·1	50·7	15·7		
9·9	53·2	26·6		
10·5	53·2	3·5		
9·5	57·7	56·2		
10·3	57·7	1·6		
9·6	59·2	15·5		9·7
10·2	37 0·7	26·4		
10·1	1·2	40·2		
10·4	3·8	0·3		
9·4	5·8	3·8		9·7
9·9	6·7	56·3		
10·2	8·2	18·5		
8·8	10·2	23·9	C	9·1
9·2	10·7	25·0		9·3
9·8	11·7	8·6		
10·4	16·2	36·9		
9·8	16·7	0·6		
10·3	19·7	32·8		
8·6	20·2	10·3	Ca	8·5
9·2	20·7	19·5	a	8·9
10·4	22·7	46·6		
9·8	25·7	17·1		
9·8	28·2	39·2		9·8
10·4	28·2	47·2		
10·3	30·4	24·5		
10·5	30·4	36·0		
9·2	30·7	52·5		9·2
9·8	32·9	59·1		
9·8	33·2	50·6		
9·5	33·7	38·4		9·8
10·5	35·7	53·7		
10·5	37·2	42·8		
10·4	40·2	24·0		
9·8	45·7	32·2		
9·8	46·2	24·2		9·7
9·8	47·7	32·2		9·6
10·2	49·7	46·8		9·7
9·9	51·2	55·8		:
9·2	38 1·2	33·1	a	9·1
	+ 1 5·4	− 3·4		

2881—2940.

mag.	7^h. m s	—20° ′		
9·9	38 1·7	32·2		
9·8	2·2	52·8		
9·8	3·2	12·2		
9·4	3·4	21·4		9·5
10·0	3·7	10·5		
9·5	3·7	11·9		9·7
10·3	6·7	36·1		
10·0	6·7	1·6		
9·4	7·2	33·2		
8·1	10·4	59·2	Cbl	8·0
10·3	11·2	25·2		
10·4	13·2	50·4		
9·2	15·7	32·4	a	9·3
10·3	18·2	26·5		
10·2	19·7	9·9		9·8
10·1	20·0	6·9		
10·2	20·5	56·1		
9·5	33·0	47·7		9·7
8·9	34·5	44·2	Ca	8·6
10·3	38·0	33·9		
9·6	38·5	20·3		9·8
10·5	41·5	27·1		
9·4	43·5	38·0		10·
9·2	46·4	0·2		9·4
9·9	52·5	18·1		
9·6	53·0	30·0		
9·8	54·5	10·3		
10·2	56·0	25·1		
10·4	58·5	35·2		
10·1	59·0	34·4		
10·4	39 0·5	30·8		
9·4	6·0	42·1	a	9·1
9·2	6·5	1·5		9·4
9·9	11·0	19·4		
9·4	13·0	10·0		8·9
10·4	15·0	52·8		9·9
10·0	20·5	24·2		
9·4	23·0	3·9		9·8
8·6	26·5	45·2	Ca	8·7
9·1	31·0	24·5		9·2
9·4	32·5	4·9		9·8
10·5	39·0	52·1		
8·6	45·5	30·5	C	8·5
10·5	55·5	52·7		10·
9·6	40 3·0	28·1		9·8
9·5	4·0	47·2		9·9
9·5	7·0	25·8		
10·3	8·0	6·5		9·8
10·5	12·0	17·1		
10·3	12·0	24·7		
10·4	12·0	50·4		
9·1	12·8	0·9		9·0
10·4	13·5	5·2		
9·8	16·5	11·6		
9·8	16·5	52·7		10·
10·0	18·0	44·4		10·
10·5	22·0	41·5		
10·3	25·0	3·1		
9·1	26·0	20·0	Cal	8·5
8·6	26·0	23·3	a	8·5
	+ 1 5·5	− 3·5		

2941—3000.

mag.	7^h. m s	—20° ′		
10·4	40 26·7	57·7		
9·4	28·5	54·8	a	9·3
9·8	28·5	39·0		9·8
10·4	28·5	5·1		
10·0	29·5	13·4		
10·2	33·0	7·4		10·
10·5	35·5	27·7		10·
9·2	39·0	27·3	Cal	8·5
9·8	39·5	30·9		
10·3	40·5	16·8		
9·2	42·5	55·2	a	8·9
10·4	42·5	20·7		10·
9·2	43·5	33·8		9·6
10·4	44·0	0·3		
10·1	46·0	30·3		
9·8	49·5	31·4		
10·4	49·5	48·9		
9·4	53·5	13·9		9·7
10·4	53·5	21·1		
9·8	56·5	28·9		9·5
9·6	58·0	33·7		
10·5	58·5	44·4		
10·2	41 1·5	51·7		
10·0	6·5	4·2		
10·1	10·3	9·1		9·7
10·5	10·5	16·6		
10·4	12·8	33·1		
9·4	13·3	5·4		9·8
10·5	16·8	48·9		10·
7·3	18·3	31·5	GCal	7·2
10·3	18·8	45·6		
9·8	22·3	3·1		9·8
10·2	23·3	53·8		
10·5	24·8	6·3		
10·5	26·1	40·1		
9·8	30·8	23·1		
9·2	32·8	51·4	a	9·3
9·4	37·3	32·0		9·3
10·5	37·8	6·6		
10·5	43·3	14·1		
9·6	49·8	34·9		
8·8	50·3	25·7	a	8·9
9·6	51·3	13·4		9·8
10·5	53·3	47·7		
9·8	57·8	36·0		9·2
9·1	59·8	28·9	Cal	8·5
9·9	42 1·3	25·3		9·7
9·9	2·8	4·4		
10·5	9·5	0·4		
10·3	16·3	53·0		10·
9·2	21·8	33·7		9·3
10·5	22·1	16·0		
10·2	22·5	2·2		
10·0	33·3	0·0		9·5
10·3	36·4	58·0		
10·2	39·1	49·9		9·8
9·9	42·3	20·2		
10·5	43·8	58·8		
10·2	46·8	42·1		9·7
9·2	48·3	19·0		9·2
	+ 1 5·5	− 3·6		

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3001—3060.

mag.	7h. m	s	—20° '		
10·5	42	50·3	33·8		
9·8		52·3	47·6		9·5
10·3		53·3	39·8		9·8
10·0		55·8	40·2		
10·4		57·1	23·6		
9·5	43	1·3	37·5		9·9
9·0		2·8	41·4	a	9·2
9·6		11·8	39·6		
10·5		13·3	41·2		
9·5		15·3	47·2		9·5
10·4		21·3	1·1		
10·3		22·3	13·7		9·9
10·4		24·8	14·2		
9·9		25·8	21·8		9·7
10·5		27·3	32·0		
10·5		28·3	42·3		
10·5		42·3	50·8		
9·6		45·8	16·2		9·6
9·4		48·3	15·3		9·6
10·5		49·3	40·6		
9·4		52·8	34·7		9·5
10·2		52·8	20·8		10·
10·4		55·3	49·9		
9·8		59·8	25·2		
10·5	44	0·3	48·8		
7·6		5·8	58·4	Ca	7·9
9·5		6·3	4·4		9·2
10·0		11·3	8·4		
10·4		12·3	49·6		
10·1		17·3	15·0		
9·6		19·8	13·9		9·5
9·4		20·3	59·4	a	10·
9·8		20·3	11·0		9·5
9·2		23·3	10·2		9·4
9·8		28·3	15·4		
9·8		37·3	44·7	:	9·3
10·4		38·8	1·5		
9·8		39·8	3·2		
9·2		40·8	31·8	a	8·9
10·1		47·1	16·1		
10·3		49·1	17·0		
9·2		55·1	26·1		9·2
10·3		55·6	38·0		
10·5		57·6	56·1		
9·9	45	9·6	31·1		
10·4		12·1	15·3		
10·4		12·6	7·3		
10·1		21·1	7·9		9·7
10·5		21·4	56·8		
9·4		21·6	21·9		9·7
9·9		21·6	21·3		
10·4		21·6	13·1		
10·2		25·6	54·8		10·
10·4		27·6	33·2		
10·4		28·1	30·2		
10·2		34·1	20·1		
10·4		34·1	6·0		
9·6		34·6	46·2		
9·4		36·6	20·7		9·5
10·5		37·1	5·7		
25pr.	+1	5 6	−3·7		

3061—3120.

mag.	7h. m	s	—20° '		
10·2	45	42·1	32·0		
9·4		45·1	54·1		9·4
10·4		45·1	38·3		
10·4		47·1	4·0		
9·4		52·1	36·9		9·1
10·4		53·1	39·6		
10·2		53·1	12·0		
10·5		57·1	23·6		
9·5		58·1	48·1	a	9·2
10·5	46	1·1	44·7		9·8
9·8		5·1	59·3		9·5
10·4		11·1	48·3		
9·6		12·1	54·1		
10·2		14·1	11·2		
9·9		14·6	49·4		10·
9·5		15·6	54·1	a	9·1
7·1		15·6	51·3	GCal	5·6
9·2		16·1	10·7		9·2
7·5		21·0	24·0	Cbl	7·4
10·4		24·0	3·2		
10·1		25·5	40·6		9·5
9·0		27·5	58·2	a	8·8
10·2		28·5	23·7		
10·5		31·0	1·4		
10·5		31·9	48·9		
9·4		35·0	56·2		9·8
9·5		37·5	57·2		
10·3		42·0	33·8		
9·4		44·0	21·2		
9·1		48·0	13·9		9·3
10·3		49·5	9·2	}	9·2
9·5		50·5	9·0	}	
10·0		52·0	26·2		
10·2		53·0	54·5		
9·8		56·0	17·5		9·4
9·4		57·0	31·7		9·8
9·5		57·5	16·0		9·3
9·2		58·5	28·2		9·2
10·1		59·5	30·7		
8·9	47	0·0	55·6	a	9·0
9·2		8·0	7·6		9·4
10·5		8·0	17·9		
9·8		9·0	26·3		
10·5		10·0	0·0		
10·5		13·0	53·7		
9·6		15·5	28·3		
9·4		21·0	16·5		
8·6		26·3	40·8	C	8·7
10·0		26·5	7·4		9·8
9·4		29·8	42·6		
9·8		32·3	10·9		
8·9		32·7	44·1		9·2
9·2		33·2	13·1		9·1
10·4		39·5	41·0		
10·5		46·0	19·9		
10·4		47·0	15·4		
10·2		50·5	53·1		9·8
9·6		55·5	15·2		9·4
10·5		56·0	51·9		
9·4		58·3	0·6		9·5
	+1	5·6	−3·8		

3121—3180.

mag.	7h. m	s	—20° '		
9·8	48	5·2	38·0		9·4
10·5		7·0	54·3		
9·4		8·2	36·0		9·2
10·0		8·5	4·2	}	9·4
10·0		9·8	4·0	}	
9·6		14·0	6·3		
10·3		14·2	26·7		
9·4		15·2	14·6		
10·5		22·0	8·0		
10·4		24·5	2·1		
10·5		27·0	26·4		
8·9		29·7	42·4	Ca	8·2
9·4		31·0	33·3	a	9·3
9·3		37·0	16·3		9·4
10·0		40·0	28·3		
10·4		42·5	30·3		
9·4		48·4	0·9		9·7
10·4		49·5	43·7		
10·2		53·0	16·0		
10·4		58·5	21·9		
10·2	49	0·0	12·7		
10·4		3·0	0·0		
10·4		3·4	2·3		
10·2		4·5	59·0		
10·4		5·0	34·0	} ?	9·5
10·4		6·0	34·3	}	
9·0		6·0	10·5		9·2
9·0		11·0	25·5	a	9·2
10·4		11·5	35·7		
10·2		12·0	4·2		
10·0		18·5	32·9		9·8
9·6		25·3	57·9		9·8
9·2		25·5	8·1		9·4
9·2		27·5	10·7		9·4
9·6		33·0	4·9		9·5
9·2		39·0	35·1		9·8
10·1		40·5	22·9		
10·4		42·0	3·7		9·5
10·4		44·0	37·3		
9·0		54·5	53·3		9·1
10·1		57·3	58·9		
9·9		59·5	13·7		
9·1	50	12·9	2·1		9·1
10·4		14·0	14·4		
9·2		15·5	18·7	a	9·2
9·1		20·0	26·3	a	9·3
9·2		22·0	52·6		9·2
10·2		23·0	45·1		
10·2		27·4	26·2		9·3
9·9		35·9	41·3		
10·0		36·9	21·0		
9·9		37·4	9·7		9·5
10·4		40·4	45·9		
10·4		41·9	35·4		
10·4		42·4	34·6		
9·3		42·9	40·2		9·5
10·4		43·9	31·1		9·8
10·1		44·9	44·0		
9·7		45·9	3·4		
10·4		49·9	51·1		
	+1	5·7	−3·8		

3181—3240.

mag.	7h. m	s	—20° '		
7·4	50	51·9	7·9	Cal	7·1
9·7		53·9	44·8		
9·4		59·4	38·9		9·3
9·7	51	0·4	27·0		9·7
9·2		1·9	31·5		9·2
10·0		7·9	38·9		
8·8		7·9	44·2	Cal	8·3
9·9		13·4	8·6		9·8
10·4		13·9	59·5		
10·1		15·9	6·1		9·7
10·2		16·4	1·4		9·7
10·4		21·9	27·9		
10·2		25·9	32·1		10·
9·7		28·9	49·7		9·8
9·9		33·3	7·0		
10·2		35·4	11·6		
10·4		36·9	55·1		
9·2		40·9	34·1		9·5
9·8		41·9	23·2		9·4
10·4		44·4	48·3		
9·3		52·9	52·8		9·4
10·4		57·4	33·0		
10·2		59·4	33·6		
9·6	52	7·4	3·3		9·4
9·7		12·9	3·2		9·4
10·4		15·4	50·8		
10·0		18·9	48·8		9·7
9·1		20·9	10·9	a	9·0
10·4		22·7	39·1		
9·1		22·7	25·1		9·2
8·8		23·2	5·6	Cbl	7·7
9·4		30·7	40·6		9·7
10·4		35·9	41·4		9·6
8·6		45·2	15·8	Cal	8·5
10·4		50·9	8·6		
9·3		51·9	0·8		9·1
9·3		55·7	3·6		9·3
9·1		59·2	27·9	a	9·4
9·8	53	11·2	4·0		9·5
10·4		12·2	29·5		
9·2		12·7	52·2		9·5
10·1		15·7	27·5		9·8
9·4		17·7	16·2		10·
10·4		22·7	29·9		9·8
9·6		26·7	42·7		9·8
9·4		32·7	54·5		8·9
9·0		33·7	45·2	a	9·0
9·4		35·2	7·1		9·8
10·4		35·2	32·4		
8·8		38·2	0·9	Cbl	8·4
9·8		41·7	51·0		
10·4		52·7	21·7		
10·4		53·2	6·2		
9·2		54·7	44·2	a	9·2
10·4		55·7	40·7		
9·6		56·7	19·9		9·5
9·9		59·2	32·8		9·7
9·2	54	0·7	13·7		9·6
9·3		17·2	33·8		9·8
9·9		17·2	47·4		
	+1	5·8	−3·9		

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3241—3300.

mag.	7h. m	s	—20° ′		
9.1	54	18.2	6.6	Cbl	8.7
10.2		19.2	18.6		
9.9		22.7	39.0		9.6
9.4		24.7	43.0		9.2
10.2		25.7	12.4		
10.4		25.7	34.5		
8.8		34.0	59.6	C	8.2
10.1		34.5	56.9		
9.6		37.7	7.6		
9.2		41.7	31.9	a	9.1
10.0		42.7	24.1		
10.1		43.7	8.3		
10.4		44.2	0.6		
10.4		46.7	55.3		
9.9		52.7	0.1		
10.4		52.7	40.5		
10.4		54.7	32.6		
10.2		55.7	44.2		9.7
10.1	55	0.7	40.0		
10.2		1.5	59.3		
9.6		3.7	16.3		9.7
9.3		5.7	13.4		9.8
10.0		11.2	38.6		
10.0		11.2	33.8		
9.7		14.2	37.1		9.7
10.4		23.2	24.9		
10.2		27.2	37.3		9.7
9.0		32.7	7.0		9.3
10.0		39.2	9.6		
9.1		45.7	42.1	a	9.0
10.0		51.7	32.0		
10.2		57.2	54.5		10.
9.2		57.7	38.3		9.5
9.9	56	3.7	19.6		
9.3		4.7	10.3		9.5
9.6		11.7	6.0		9.4
10.2		12.2	2.2		
8.8		15.7	48.8	GCal	7.8
10.2		15.7	19.1		
10.4		16.7	33.7		
9.8		17.2	14.2		
8.4		22.7	8.8	C	8.5
10.4		25.7	11.5		
8.5		28.7	30.7	a	8.4
10.4		35.7	26.4		
10.4		39.2	19.6		
9.7		41.2	15.4		
8.8		44.2	17.8		9.1
8.8		45.7	22.6		9.1
10.0		51.2	37.3		
10.0		53.7	46.3		9.7
9.6		55.6	29.6		9.3
9.4	57	6.6	31.6		
8.5		11.6	28.7		8.8
8.8		12.6	20.3		8.8
10.4		15.6	36.3		
10.1		20.6	14.4		
8.5		24.6	7.6	Cal	8.8
9.6		24.6	17.2		9.4
9.9		25.1	47.2		9.5
25pr.	+1	5.9	−4.1		

3301—3360.

mag.	7h.–8h. m	s	—20° ′		
9.2	57	31.6	11.9		9.4
9.6		31.6	5.2		9.5
10.2		32.6	28.2		
10.3		32.6	4.3		
8.8		35.6	45.6	a	9.2
9.4	58	1.6	0.5		9.4
10.1		9.4	0.8	}	9.6
10.0		10.4	1.0	}	
8.5		12.1	25.4	Cbl	8.3
9.0		25.6	38.3		9.3
8.5		25.6	33.4		9.3
10.3		26.6	30.4		9.5
9.6		29.6	12.5		
10.0		33.3	2.6		
9.3		34.1	28.5		9.4
10.2		35.6	13.8		9.8
10.2		36.1	45.2		
9.2		37.6	22.0		9.4
10.1		39.1	14.0		
10.0		40.1	22.2		
10.2		44.1	53.8		9.8
9.4		47.9	59.4	a	9.1
10.0		50.1	24.0		
10.0		56.2	1.5		
10.0		57.7	16.1		
9.1		58.7	2.2	a	8.9
10.4		59.6	1.1		
10.4		59.7	13.9		
10.2	59	4.2	6.1		
10.2		11.4	1.9		9.8
8.8		11.7	55.1	a	9.1
10.0		19.2	13.8		
9.9		20.4	0.9		
9.0		21.7	54.4	a	9.3
10.2		22.7	0.4		9.4
10.4		23.7	13.5		
10.4		25.7	47.8		
10.1		29.7	17.9		9.5
10.4		29.7	45.3		
10.2		32.2	42.3		
10.2		35.7	32.7		
9.3		42.2	10.5		9.5
10.4		47.2	24.8		9.8
10.4		49.7	27.9		
9.0		49.7	33.3	Ca	8.7
10.4	0	2.7	22.5		9.8
10.4		11.7	52.7		
9.3		14.7	42.1		9.3
10.4		15.7	27.4		9.8
10.2		18.7	18.8		10.
10.4		19.7	59.5		
8.4		25.7	36.2	Ca	8.2
9.4		31.7	38.1		9.8
10.4		35.2	24.5		
9.2		35.7	10.0	GCa	8.7
10.4		36.7	27.9		
10.1		40.2	16.5		
10.1		40.2	59.0		9.8
9.4		41.7	29.8		9.3
9.3		47.5	15.3	a	9.0
	+1	6.0	−4.1		

3361—3420.

mag.	8h. m	s	—20° ′		
10.4	0	48.5	58.9		
10.4		49.5	30.8		
10.2		55.5	51.1		
9.3		59.5	39.6		
10.4	1	7.0	17.5		
8.0		10.0	10.6	Ca	8.7
10.2		13.5	25.8		9.8
10.1		22.0	18.9		
10.0		23.0	27.3		9.6
10.2		23.0	43.9		
10.4		23.5	51.9		
10.4		28.5	14.9		
10.2		30.8	58.2		
10.2		31.0	44.3		
9.2		35.5	55.9		9.3
10.2		36.5	0.5		9.6
10.2		39.5	8.8		
9.6		41.0	11.3		9.6
9.3		41.5	55.1		9.4
9.1		42.5	26.0		9.3
5.8		46.5	11.7	GSacl	5.8
10.0		52.0	29.6		
10.2		55.5	47.0		
10.4		56.5	55.6		
10.4	2	1.0	48.8		
9.2		12.5	19.3	a	8.9
10.4		16.5	47.1		
9.6		20.5	1.5		
9.8		22.5	32.0		9.5
10.4		22.5	34.3		
10.2		25.0	53.6		
8.6		25.0	47.3		9.0
9.6		31.3	24.4		
9.7		35.3	33.0		
10.0		35.8	21.2		
10.2		38.8	30.9		
9.2		46.3	9.6		9.5
9.2		47.3	19.6		9.6
8.6		54.8	9.4	Ca	9.1
9.4		55.8	12.5		
10.2		58.3	18.9		
10.4	3	0.3	31.4		
9.7		2.3	37.3		
8.8		7.3	18.4		9.0
10.4		11.3	6.9		
7.0		11.8	0.0	GCal	6.7
10.4		12.3	34.6		
9.8		16.3	51.0		
9.7		21.3	14.3		
9.0		23.3	22.1		9.1
10.4		23.3	56.0		
10.4		25.3	25.5		
10.2		25.6	59.2		9.7
9.4		26.3	43.2		
8.2		31.8	7.9	Ca	8.2
10.0		31.8	26.6		
9.7		40.3	37.6		9.7
9.3		41.3	44.7		9.1
10.4		41.4	4.2		
9.1		42.3	47.1		9.1
	+1	6.1	−4.2		

3421—3480.

mag.	8h. m	s	—20° ′		
10.2	3	44.8	11.1		
9.2		48.3	55.6		9.4
10.4		57.3	16.5		
10.2	4	2.3	40.2		
9.9		6.3	46.0		
9.2		9.3	51.6		9.3
10.2		11.8	33.1		
10.4		19.3	33.9		
9.2		20.8	26.0		9.0
9.6		22.3	15.6		9.4
10.4		26.3	25.5		
10.2		26.3	50.6		9.8
10.4		32.8	9.6		
9.7		40.3	27.7		9.5
10.4		42.3	31.5		
9.1		42.8	33.6		
8.8		49.3	32.4	C	9.0
9.2		49.3	26.9		9.2
8.6		56.3	3.5		9.3
10.2		58.3	41.3		
10.4	5	7.6	58.1		
8.3		12.8	17.3	C	8.7
9.2		24.8	53.2		9.7
9.6		25.3	24.2		9.5
9.9		27.0	0.6		
9.2		30.3	23.5		9.2
10.4		32.3	36.0		
9.7		35.3	8.5		9.8
9.7		37.8	45.0		9.5
10.4		41.8	43.3		
9.0		45.3	49.8	a	9.4
10.4		45.3	31.6		
10.5		45.3	37.2		
10.1		51.3	24.0		
10.4		55.6	59.1		9.9
9.8		55.8	19.6		9.5
10.1		57.8	8.5		
10.1	6	2.8	11.7		
10.2		3.1	58.5		
8.6		31.1	14.1	a	9.0
9.4		35.1	20.5		9.4
9.2		38.1	18.9	a	9.2
9.8		39.1	22.3		
9.7		54.1	32.3		10.
8.8		55.1	7.1		9.3
10.4		55.6	56.9		
9.7		57.1	10.2		
10.0		57.7	1.5		
8.6	7	2.6	40.1	a	8.9
9.7		4.1	46.2		
10.2		5.1	42.7		
9.6		6.6	7.5		9.5
8.4		6.6	39.4	Ca	8.8
9.6		9.6	17.7		9.3
10.4		18.7	14.3		
9.4		25.9	55.3		9.5
10.1		33.7	43.5		
10.4		36.4	19.8		
9.8		38.2	26.3		9.3
8.8		41.4	52.1	Ca	8.1
	+1	6.2	−4.4		

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3481—3540.

mag.	8h. m	s	—20° ′		
10·2	7	43·3	56·6		
10·4		45·1	21·5		
9·9		53·1	48·5		
10·2		57·7	3·1		
9·0		59·0	11·9	Cbl	8·7
10·4	8	2·9	17·7		
9·6		6·3	51·3		
9·0		6·3	51·6	a	9·1
9·2		8·6	52·1		9·7
9·8		10·0	34·3		
10·0		12·4	29·5		
10·4		16·9	2·4		
9·6		24·2	19·4		
10·2		25·2	32·7		
9·8		32·9	35·6		
9·4		33·9	24·7		9·4
9·8		49·4	41·7		
10·2		51·9	19·3		
9·4		52·9	22·1		
10·1		55·9	37·5		
10·4		56·9	57·9		
10·2		56·9	25·8		
10·4		59·9	14·3		
8·8	9	2·9	45·3		9·1
10·2		2·9	11·0		
10·4		3·2	17·3		
10·4		3·4	7·6		
10·4		17·4	32·0		
10·4		17·9	32·5		
9·5		19·9	11·0		
10·4		22·4	34·7		
9·8		27·2	57·5		
10·2		29·4	7·0		
9·6		30·4	25·8		9·5
10·1		32·9	59·6		
8·8		35·2	57·8	al	8·5
9·2		36·4	52·4		9·5
10·1		36·9	57·0		
10·4		36·9	53·2		
9·6		37·9	10·4		
9·6		39·9	45·3		9·5
10·2		42·1	55·0		
10·4		47·8	50·7		
9·4		53·4	22·0		9·6
10·4		56·9	40·7		
10·4		57·9	13·7		
9·5	10	6·9	20·0		9·4
9·8		12·9	14·3		
10·1		20·9	43·7		9·8
10·4		21·7	17·2		
9·2		21·9	9·0	C	9·2
10·4		28·7	47·1		9·7
9·4		35·7	44·2		9·2
10·4		45·7	10·8		
9·8		52·7	52·7		10·
10·4		55·2	15·8		
9·8		56·2	52·2		9·7
10·4	11	0·7	17·7		
9·8		1·7	4·7		
9·2		3·2	29·5		
25pr.	+1	6·3	−4·5		

3541—3600.

mag.	8h. m	s	—20° ′		
9·8	11	5·2	5·6		9·8
8·5		5·7	38·0	Cal	8·3
10·4		9·2	51·0		
10·4		12·7	10·7		
10·1		13·7	13·5		
10·4		14·2	50·6		
10·4		15·7	51·1		
10·2		20·2	22·2		
7·0		24·2	56·2	GCal	6·6
9·5		25·8	31·3		
9·8		29·7	48·8		9·8
9·2		31·7	11·0	C	9·0
10·4		31·7	38·4		
8·6		32·2	18·5	Ca	9·0
10·4		35·7	46·0		
9·4		40·7	38·1	a	9·4
10·4		43·2	28·0		
9·7		46·7	53·1		10·
9·6		52·7	20·6		9·5
10·1		56·2	55·8		
9·6		58·7	52·8		9·5
9·3	12	1·2	40·9	a	9·1
10·4		4·2	36·3		
10·4		5·2	37·0		
9·6		6·7	58·4		
9·6		7·2	37·6		
10·4		11·7	24·7		
10·4		15·7	18·1		
9·9		18·9	52·3		9·3
9·0		21·2	2·5	a	9·1
9·4		22·2	43·1		
9·3		22·7	32·7	a	9·0
10·4		40·7	29·3		
10·4		42·7	13·3		
9·7	13	3·7	13·6		
10·4		8·7	31·0		
10·0		11·2	40·0		
8·5		11·7	9·4		8·7
10·4		13·9	25·5		
10·4		14·2	0·4		
9·2		15·7	24·6	a	9·1
10·4		15·7	53·3		
10·4		23·7	5·4		
9·0		25·7	7·9		9·4
10·4		26·7	14·1		
10·4		26·9	58·3		
10·0		31·2	33·8		9·8
10·2		34·4	57·8		
10·4		44·2	10·2		9·8
10·4		49·2	48·7		9·8
10·4		51·2	6·5		
9·4		55·2	46·5		9·5
9·4		55·9	45·1		
9·8		57·2	3·3		
8·6	14	0·7	52·0	Cbl	8·0
9·8		1·2	28·7		9·5
10·4		2·7	45·3		
9·6		6·2	8·7		
10·4		13·7	25·0		
9·3		17·7	27·3	a	9·2
	+1	6·4	−4·6		

3601—3660.

mag.	8h. m	s	—20° ′		
10·4	14	18·7	31·5		
9·3		22·2	12·2		9·4
9·9		24·7	51·1		
9·2		33·7	53·1		9·1
10·4		35·7	39·1		
9·4		55·2	12·5		9·3
9·8	15	0·2	46·3		:
10·4		0·2	31·5		
10·4		4·7	52·0		
10·4		22·7	46·1		
10·4		30·7	29·7		
9·8		33·2	55·8		
10·2		33·2	10·5		
8·8		35·7	49·0		9·2
10·4		39·2	29·0		
9·9		39·7	6·7		
10·0		41·7	23·2		
9·9		53·7	16·0		9·5
9·5		54·7	54·7		
9·4		55·7	41·0		9·5
7·8		57·7	23·8	C	7·2
10·2		57·7	26·2		
9·8		59·7	37·8		
10·4		59·7	2·7		
9·4	16	1·7	44·2		
10·4		7·2	8·2		
8·0		10·2	17·4	C	8·0
9·3		11·2	1·0		9·0
10·4		15·7	5·4		
9·4		15·7	30·2		
10·0		18·7	51·0		
10·2		19·7	25·6		
9·8		20·2	39·4		
10·1		25·7	28·5		
9·6		25·7	59·2		
9·3		25·7	36·2		9·5
10·2		32·7	37·3		
9·3		33·7	8·7		9·2
10·2		35·2	52·6		
9·8		38·2	31·5		9·5
10·4		38·2	6·3		
9·4		40·2	41·5		
8·3		41·9	58·5	C	8·5
10·4		42·2	44·6		
9·4		43·2	47·4		9·8
8·8		45·7	26·1	a	9·0
9·6		51·3	5·4		
8·6		51·3	36·5	Ca	8·5
10·4		52·3	28·0		
10·4		57·7	9·8		
9·9		59·7	44·0		
10·0	17	19·7	53·0		9·8
8·8		23·2	21·7	C	8·6
10·0		26·4	21·5		
9·9		28·5	2·3		
10·4		45·2	20·6		
10·1		50·7	41·3		
10·0		56·2	45·2		
10·0	18	3·2	18·5		
9·2		6·7	44·9	a	8·9
	+1	6·5	−4·7		

3661—3720.

mag.	8h. m	s	—20° ′		
8·8	18	8·7	39·8	a	8·9
9·3		17·2	15·0		9·5
10·2		17·2	49·3		9·5
9·4		22·2	47·9	a	9·0
9·2		22·7	26·5		8·9
10·4		23·2	2·0		
8·8		33·7	53·5	a	9·0
10·4		36·7	20·9		
10·4		43·2	9·6		
9·8		47·7	32·6		
9·2		54·7	20·0		9·1
9·0		56·0	1·1		9·2
9·9	19	11·7	35·4		9·5
10·4		11·7	13·3		
10·4		36·7	12·5		
10·2		39·7	10·2		
9·0		45·2	20·5	Ca	8·7
6·6		46·7	38·6	GCbl	5·8
10·2		55·7	24·4		
10·4	20	3·7	53·1		
10·4		16·7	24·5		
9·5		17·2	53·3		
9·6		18·2	2·3		
10·0		20·2	22·2		
10·1		23·7	55·5		
9·9		29·7	16·0		9·5
10·1		31·7	18·7		
9·2		38·2	50·7		9·2
9·8		39·2	31·3		9·7
9·3		43·2	42·1		9·4
10·4		43·7	29·6		
9·0		45·7	58·1		9·5
10·4		47·6	56·5		
10·0		51·7	50·3		
10·4		52·7	10·6		
9·3		55·7	46·2	a	9·2
10·2	21	2·7	14·1		9·5
9·4		2·7	20·1	a	9·3
10·0		4·2	41·5		
10·4		9·8	37·0		
9·4		12·7	36·2		9·3
10·4		21·7	46·9		
9·3		21·7	17·4	a	9·4
10·2		22·7	15·9		
9·8		27·1	16·3		
10·4		27·6	24·1		
10·0		30·6	52·4		
10·4		31·1	51·1		
10·4		41·1	27·9		
10·0		43·6	1·1		9·2
10·4		44·1	52·0		
9·9		44·6	35·8		
10·4		45·6	55·6		
10·1		46·6	31·4		
9·4		49·1	11·9	a	9·3
9·3		50·6	16·1	a	9·2
8·3		51·6	34·3	Cal	8·5
9·8		57·6	27·4		
7·1	22	0·6	25·9	GCbl	6·8
9·3		5·6	26·5		9·1
	+1	6·6	−4·8		

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3721—3780.

mag.	8h. m	s	—20° '		
9.6	22	8.1	6.5		
10.0		14.1	45.1		
9.9		15.1	20.2		9.5
10.4		20.6	5.5		
10.4		21.6	3.2		
9.6		22.6	46.4		9.5
9.4		22.6	57.9		9.8
10.4		25.6	12.4		
9.5		26.6	43.0		9.5
9.6		31.6	21.4		
8.8		31.6	31.4	a	9.1
10.2		36.6	49.4		
9.8		41.1	36.9		
9.8		41.6	24.2		9.5
9.3		47.1	36.9		9.3
10.4		57.6	0.8		
9.8	23	2.1	29.6		
10.0		7.6	16.7		
10.1		10.6	44.3		
10.4		11.6	45.4		
10.1		13.5	5.2		
10.4		16.1	15.1		
9.0		16.5	31.8		9.3
9.8		17.5	38.3		
9.4		19.5	3.0		
6.8		20.0	32.1	GCal	6.7
9.3		20.5	28.6		9.3
9.0		21.5	13.0		9.0
9.8		23.3	56.7		
10.0		29.5	54.0		
10.0		31.5	31.6		
9.4		32.5	29.9		9.8
10.4		33.0	6.9		
10.4		36.5	44.1		
10.2		40.0	42.1		
10.0		41.5	32.5		
9.8		42.0	56.7		
8.6		43.0	37.5	Ca	9.0
9.6		43.5	10.9		9.4
9.9		51.0	6.1		9.5
9.6		52.0	10.4		
9.5		57.0	42.8	a	9.0
8.4	24	1.0	52.0	Cal	8.0
10.4		9.0	29.4		
9.8		9.5	20.5		
9.5		9.5	4.6		
9.8		21.5	9.8		9.5
9.3		25.0	47.2		
9.3		30.5	44.1		9.5
9.2		30.5	22.6		9.2
10.4		35.5	15.5		
8.8		38.0	28.9	Cal	8.2
10.2		39.5	59.0		
9.8		39.5	0.0		9.8
10.4		41.0	30.7		
9.9		41.5	56.7		10.
10.4		42.5	19.0		
10.4		43.5	55.2		
9.8		44.4	19.0		
9.0		46.4	20.3		9.3
25pr.	+1	6.7	−4.9		

3781—3840.

mag.	8h. m	s	—20° '		
9.0	24	46.9	36.5		9.7
10.4		47.9	34.5		
9.5		51.9	9.3		9.4
8.5		54.4	27.3	Ca	8.5
9.6	25	0.9	30.9		
10.0		1.4	16.3		
8.8		2.9	46.1	C	8.6
9.9		8.9	15.3		
10.2		11.9	19.6		9.3
10.4		19.4	1.0		
10.0		21.9	1.2		
9.3		25.4	35.5		9.4
10.2		25.9	39.4		
9.9		30.9	47.3		9.5
9.3		34.9	46.6		9.2
10.4		37.2	0.5		9.5
10.4		53.9	6.0		
9.9		54.9	48.0		
9.2		55.4	50.8		9.8
10.4		58.9	37.6		
8.2		59.4	39.5	Cal	7.0
10.4	26	0.9	50.5		
9.8		5.9	17.5		
9.9		9.6	59.4		9.4
9.9		11.4	18.8		9.4
9.4		17.9	10.5		9.5
9.8		22.4	37.8		
10.2		23.9	47.2		9.8
8.8		25.4	22.9	Cal	9.0
9.8		31.3	27.0		
9.8		32.9	53.8		9.2
9.2		33.8	37.4	a	9.0
10.4		36.3	59.6		
9.5		38.8	40.6		9.5
9.3		39.8	19.1	a	9.3
9.8		42.3	32.0		
9.5		45.3	0.5		9.5
9.4		54.3	9.4	C	9.0
9.2		57.8	53.9		9.0
9.6	27	0.3	40.7		
10.4		2.3	5.1		
10.4		12.3	39.5		
10.4		16.8	12.2		
10.4		18.3	58.3		
10.4		19.5	59.9		
10.4		20.0	58.9		
10.2		22.2	52.7		
10.2		27.8	35.0		
10.4		32.3	29.4		
9.8		32.7	52.3		
9.2		35.3	22.0	a	9.3
10.0		40.8	46.4		9.5
10.4		44.3	8.9		
9.8		53.3	27.8		
10.4		58.0	0.9		
10.4	28	4.3	16.9		
9.8		7.2	40.6		
10.4		9.3	15.9		
10.0		11.6	39.6		
10.5		14.6	1.7		
	+1	6.8	−5.0		

3841—3900.

mag.	8h. m	s	—20° '		
10.5	28	15.6	17.8		
10.2		18.9	13.5		
9.8		19.6	3.4		9.5
9.5		20.6	30.8		
10.2		22.5	0.7		
10.5		24.0	36.9		
10.2		24.6	20.5		
10.5		31.6	5.8		
10.4		33.0	14.9		
7.7		36.7	20.4	Ca	8.2
9.4		37.0	57.1		9.1
10.4		40.1	7.4		
8.8		42.9	43.3		9.3
9.9		43.9	44.1		
10.2		46.4	25.0		
9.4		46.9	39.6		9.9
8.9		50.9	27.3		9.4
8.0		52.4	46.5	Ca	7.9
10.2		59.9	12.8		
10.4		59.9	47.6		
8.8	29	1.4	14.4	a	9.0
9.6		2.9	50.8		9.8
8.9		3.6	58.2		9.0
10.2		4.9	11.8		
10.0		6.4	21.8		
10.2		10.9	13.4		
8.6		11.4	8.0	Ca	8.9
8.4		17.4	52.7		9.0
9.2		17.4	12.2	a	9.5
10.0		17.4	13.6		
10.2		17.9	30.1		
9.8		18.4	21.8		9.5
8.7		23.4	25.3		9.1
10.4		26.2	1.8		
9.5		26.9	12.1	a	9.5
10.4		33.4	21.8		
10.2		37.9	16.6		
10.5		42.4	36.3		
10.0		42.9	31.3		
9.3		48.4	6.5		9.6
10.5		59.4	35.2		
10.5		59.4	35.0		
9.6		59.4	29.1		
10.4	30	0.9	20.5		
9.8		6.8	22.9		9.4
10.4		8.3	43.0		
8.5		11.3	46.9		9.0
9.4		17.3	27.3		
10.2		22.8	13.6		
10.2		36.8	25.4		
8.4		42.3	37.7	Ca	8.2
9.6		44.3	55.2		
10.2		54.0	58.2		
9.2		54.8	13.6		9.4
9.4		56.3	0.6		
9.6	31	1.3	54.2		
10.5		3.3	52.0		9.6
9.0		8.3	11.9	Ca	9.0
9.6		16.3	30.2		
9.9		16.8	41.8		
	+1	6.9	−5.1		

3901—3960.

mag.	8h. m	s	—20° '		
10.4	31	20.8	53.7		
10.4		30.8	35.8		
10.5		32.3	18.5		
8.9		38.3	49.0		9.1
8.7		48.3	47.0	Ca	8.9
9.6		57.7	2.7		
10.2	32	0.3	51.2		
9.5		2.8	7.7		9.4
10.4		11.3	29.9		
10.4		23.1	13.9		
8.5		27.1	10.9	Ca	9.0
9.2		44.1	13.2		9.5
9.6		45.6	16.9		9.5
9.2		46.6	48.8		9.1
9.9		52.6	29.0		
9.0		55.1	56.3	a	9.1
10.0		56.6	14.4		
10.4	33	0.9	18.9		
10.5		2.1	45.7		
8.9		2.6	19.2		9.3
10.4		4.1	28.5		
9.3		6.6	49.0		9.7
9.0		13.6	11.8	Ca	9.0
10.0		20.1	7.2		
10.4		22.9	28.9		
10.2		28.6	3.2		
10.4		37.1	32.7		
10.5		38.6	18.8		
10.5		39.1	54.1		
9.5		44.1	31.2		
9.9		46.9	53.8		
10.2		47.1	3.7		
10.4		49.1	51.4		
10.5		52.6	57.7		
8.8		53.6	28.6		9.0
9.4		54.6	33.9		
10.5		56.6	28.6		
10.5		56.6	27.9		
8.9		59.6	4.3	a	9.2
10.2	34	0.6	27.0		
9.5		1.1	55.7		9.5
10.0		4.6	18.5		
10.2		4.6	47.5		
10.4		6.6	54.8		9.5
9.9		11.1	17.0		9.5
10.4		13.1	10.4		
10.2		16.1	52.5		
10.2		20.1	34.2		
8.4		22.4	57.3	Ca	8.3
9.6		23.6	21.8		
10.4		24.4	47.1		
10.4		24.4	38.8		
9.3		28.6	48.2		9.4
10.2		31.6	21.0		
10.4		36.6	8.1		
8.6		38.6	20.3		9.0
8.4		41.6	11.1	Ca	8.2
9.4		43.1	49.5		
9.8		43.6	23.9		9.6
10.4		47.1	54.0		9.5
	+1	7.0	−5.2		

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3961—4020.

mag.	8h. m	s	—20° ′		
10·2	34	48·6	4·9		
10·5		53·6	35·5		
8·4		53·6	34·1	Cbl	7·8
10·4		55·1	23·0		9·7
10·2		57·1	0·7		
10·2		57·6	11·6		
8·4		59·6	51·6	Ca	8·5
10·4	35	7·6	26·6		9·8
8·4		10·1	23·3	Cal	7·8
9·8		14·1	22·1		
10·4		16·6	15·5		
10·0		16·6	6·1		
9·2		26·4	32·0	a	9·1
9·6		26·6	53·3		9·5
10·2		37·4	6·5		
10·2		40·4	22·9		
9·9		43·4	44·1		
10·5		46·4	0·2		
10·0		47·9	10·1		
9·8		48·4	16·3		9·5
10·4		53·4	41·8		
10·5		53·9	33·6		
10·5		56·4	52·5		
10·5		58·4	3·1		
10·2		58·9	10·6		
9·4	36	2·4	7·8		9·5
9·5		2·9	41·0		9·8
10·5		6·4	54·6		
10·5		8·9	52·4		
10·0		10·4	16·3		
10·2		13·4	29·7		
10·5		16·9	12·2		
10·5		19·4	24·3		
9·3		23·4	37·9		9·5
10·2		26·4	51·3		9·8
10·4		32·9	8·9		
10·4		35·9	50·7		
10·2		37·4	24·7		
9·4		41·4	25·8		9·5
9·3		41·9	53·8		9·0
10·5		45·4	31·0		
10·5		53·4	30·7		
10·4		56·9	16·5		
10·5	37	3·4	8·7		
9·8		4·2	58·4		
10·4		5·4	9·9		
10·4		6·4	38·1		
9·2		6·4	56·5		9·0
10·0		13·1	58·3		
10·4		13·4	33·0		
10·4		16·2	16·4		
10·5		16·2	18·6		
10·4		19·7	55·3		
8·4		21·2	13·7	Ca	9·0
10·4		23·7	45·3		10·
10·2		24·7	31·1		9·5
10·0		36·2	7·5		
10·2		38·0	57·4		9·5
10·4		40·7	16·4		
10·5		42·7	13·7		
25pr.	+1	7·1	−5·3		

4021—4080.

mag.	8h. m	s	—20° ′		
10·4	37	46·2	49·9		
8·8		56·2	39·5	Ca	8·7
9·3	38	1·7	27·7		9·5
9·5		6·2	18·3		9·9
9·2		10·2	32·8		9·4
10·4		24·7	48·2		
9·4		33·2	16·5		9·1
10·5		42·7	46·1		
9·0		45·7	22·9	C	8·9
9·2		45·7	28·9	}	9·1
10·4		46·2	29·1		
10·4		53·2	30·9		
10·5		54·2	3·2		
10·0		58·2	47·1		9·8
10·2		59·2	30·1		
9·4	39	1·2	38·6		
9·5		6·2	58·8		9·3
10·5		11·7	56·0		
10·4		19·0	2·1		
6·4		20·0	42·9	GCbl	6·4
10·4		22·0	50·7		
8·6		23·5	12·8	C	8·5
10·4		24·5	5·5		9·7
10·0		35·5	6·3		9·8
10·4		42·0	33·6		
10·4		42·0	6·2		
8·8		44·0	17·3	C	8·7
10·5		44·3	57·5		
10·5		48·0	15·7		
10·4		50·5	15·5		
10·0		51·5	27·3		
10·2		51·5	0·2		
10·2		59·5	23·9		
8·7	40	4·0	56·2		9·0
10·0		8·0	46·3		
9·8		10·0	2·9		
8·8		11·0	12·2		9·1
10·5		14·0	9·2		
9·4		16·0	49·0		9·6
9·5		18·0	36·4		9·4
10·4		20·0	41·1		
10·2		23·0	28·0		
10·2		26·5	24·9		
10·5		41·0	25·0		
10·0		54·0	20·5		
8·9		54·0	5·5		9·3
10·4		56·0	4·8		
9·9		58·0	39·4		9·5
9·4	41	0·0	12·5		9·5
9·8		2·5	42·0		
10·2		6·0	0·8		
9·4		6·0	20·2		
10·4		6·8	58·2		
10·4		11·3	56·6		
9·4		11·8	48·8		9·4
10·2		16·3	6·5		
10·4		21·3	26·4		
10·4		24·8	34·8		
10·0		29·8	23·3		
10·4		42·8	19·7		
	+1	7·2	−5·4		

4081—4140.

mag.	8h. m	s	—20° ′		
10·4	41	46·3	22·9		
8·9		51·7	12·5	a	9·3
9·0		52·8	38·1		9·2
10·5		56·3	9·7		
10·2		57·3	35·5		
9·8	42	1·8	34·6		
8·8		3·8	19·8	Ca	8·3
10·5		13·3	3·9		
9·5		15·3	36·7		
10·5		15·3	39·5		
9·3		19·8	5·3		9·6
10·0		22·3	56·0		
10·4		25·3	27·2		
10·4		32·7	10·1		
9·6		33·8	31·3		9·3
10·2		34·3	19·2		10·
10·0		38·3	10·8		
8·6		42·8	53·2	a	8·9
10·5		42·8	38·5		
10·5		45·3	17·2		
10·2		49·8	47·4		
9·4		51·8	4·0		9·8
9·9		55·3	37·2		
9·8	43	1·8	17·8	a	9·4
10·4		3·3	29·6	?	
9·9		12·8	14·7		9·7
10·2		14·3	29·3		
10·4		21·8	48·2		
8·8		24·7	46·2	a	9·1
10·4		28·3	50·2		
10·2		29·7	43·7		
9·4		35·2	25·5		9·5
9·2		36·7	0·8		8·9
9·4		40·7	26·1		
10·5		49·7	36·4		
10·2		56·2	27·9		
8·8		59·2	6·0		9·1
10·4		59·7	21·2		
7·1	44	8·2	35·0	GCal	6·5
10·4		15·7	38·8	?	
10·5		16·2	30·1		
10·4		19·2	49·5		
10·2		24·7	55·5		
10·2		28·2	28·5		
9·6		30·7	41·9		
10·5		32·2	1·5		
10·5		32·4	20·0		
10·2		39·2	0·8		
10·5		45·7	52·8		
7·8		48·7	40·8	GCbl	8·0
9·6		48·7	40·0		
8·8		52·7	23·0		9·1
10·2		54·2	14·3		
10·0		54·7	11·1		9·4
10·4		55·2	59·6		
8·0	45	5·4	37·3	Cal	8·3
10·5		9·7	21·3		
10·4		11·2	17·9		
9·0		11·7	17·4		9·4
10·0		21·7	14·9		9·5
	+1	7·3	−5·5		

4141—4200.

mag.	8h. m	s	—20° ′		
9·2	45	23·2	20·3	a	9·4
10·2		31·2	5·4		
9·8		35·2	10·5		
10·5		39·2	13·7		
8·0		40·7	3·2	Cbl	7·7
10·5		48·7	32·9		
10·5		51·2	15·2		
10·5		57·2	35·2		
8·2	46	7·5	7·9	Cal	8·2
9·2		17·5	3·2		9·1
10·2		38·5	18·1		
10·5		43·5	54·7		
10·5		46·0	10·7		
8·4		47·5	3·9	Cal	8·3
10·4		48·5	46·2		
9·4		58·0	58·1		9·2
10·5	47	5·5	55·6		
9·6		5·5	28·7		9·2
10·5		8·5	33·7		
10·5		19·5	40·7		
10·5		21·5	37·3		
10·0		21·5	41·2		
10·4		25·5	18·9		9·5
10·5		37·5	45·1		
9·8		45·5	27·2		9·5
8·2		51·5	58·4		8·9
10·2	48	2·0	34·8		
8·2		11·5	31·1	Ca	8·2
9·6		18·0	19·1		9·5
10·0		20·0	37·3		
10·0		29·5	43·9		10·
10·2		35·0	46·9		
10·4		35·5	56·1		
9·6		37·8	2·0		9·8
10·2		41·5	35·7		
10·4		43·5	1·5		
9·2		57·6	45·7	C	8·7
9·9	49	17·6	14·9		9·4
9·9		20·5	14·7		9·4
9·9		22·2	32·1		
8·8		51·5	0·0		8·9
9·9	50	10·5	35·5		
9·8		17·6	25·2		
8·4		20·1	23·7	Ca	9·0
9·6		22·8	4·2		
8·8		27·3	23·4	C	9·2
9·9		32·8	48·5		
9·4		38·6	40·1		9·4
9·2		54·1	5·9		9·3
9·8	51	2·5	4·6		
9·2		6·8	5·5		9·6
9·9		36·6	48·2		9·8
9·8		41·1	24·3		9·5
9·8		46·6	52·8		9·3
9·8		50·1	35·1		
9·6	52	0·4	28·5		9·0
9·8		29·7	16·6		
9·6		31·5	23·7		
9·8		42·2	20·2		
9·8		50·5	14·8		9·8
	+1	7·5	−5·6		

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4201—4260.

mag.	8h. m	s	—20° ′		
9·4	52	52·1	2·3		9·7
9·6		58·3	8·4	C	9·3
9·8	53	0·2	10·1		
9·8		0·5	34·3		9·8
9·8		0·8	32·2		9·8
9·6		16·3	3·9	a	9·2
9·5		29·3	29·1		9·5
9·2		31·0	25·1		9·3
9·8		31·7	24·1		9·7
9·8		34·3	50·9		10·
9·8		39·1	35·7		9·7
9·8	54	1·8	25·2		9·6
8·0		8·3	19·4	Cal	8·3
9·8		12·3	57·2		9·4
9·6		15·3	18·1		9·7
9·5		20·4	59·0		9·1
9·8		23·5	18·4		10·
8·4		34·4	15·1	Ca	8·8
9·8		39·6	41·6		
9·8		49·6	10·4		10·
9·6		52·4	21·0		9·8
7·3	55	0·1	43·8	GCal	7·0
9·6		2·4	8·9		9·9
9·2		9·9	59·5		9·2
9·6		26·1	55·8		9·6
9·6		28·6	8·3		
9·8		38·6	2·1		
9·8		41·6	28·9		9·8
9·5		52·1	10·9		9·5
9·8	56	18·9	17·7		9·4
9·6		27·6	12·8		9·8
9·8		38·9	57·7		
8·7		41·1	49·4	Ca	8·3
9·8		48·9	52·9		9·5
9·8		49·6	37·1		
9·5		50·3	28·7		9·8
9·8	57	0·1	52·8		9·8
7·6		26·9	3·3	Cbl	7·7
9·4		36·4	30·4		9·4
9·8		41·8	6·3		9·7
9·4		50·1	16·0		9·8
8·8		52·1	32·9	Ca	9·0
9·6		53·3	6·4	a	9·5
9·5		59·5	59·7		9·4
9·6		59·6	25·7		
9·6	58	22·1	4·0		9·8
9·4		36·2	57·2		9·3
9·0		39·1	8·1	a	9·3
9·6		49·9	0·4		9·8
9·8		59·6	38·9		9·8
9·5	59	0·0	44·2		9·5
9·8		2·1	59·4		
9·8		4·4	34·4		
9·1		8·6	53·8	Ca	8·5
8·2		10·6	31·6	Cal	7·5
9·6		18·4	40·4		9·8
9·8		18·6	39·7		9·8
8·7		21·6	37·7	Ca	8·8
9·8		23·1	2·9		
9·8		29·3	28·4		
25pr.	+1	7·8	−5·8		

4261—4320.

mag.	8h.–9h. m	s	—20° ′		
9·8	59	29·8	16·0		
9·6		30·6	51·9		9·8
9·8		41·3	55·0		9·9
8·6		50·6	45·1	a	8·5
9·8		57·6	6·7		
9·6	0	1·6	18·0		
9·6		8·4	13·6		9·8
9·6		42·8	20·9		9·8
8·7		46·0	59·5	a	8·7
9·6		48·3	32·5		9·4
9·6		59·8	34·0		
9·8	1	7·4	44·9		
9·8		20·8	7·5		
9·4		22·1	42·4	a	9·3
9·8		28·8	29·1		
9·8		29·6	20·0		
9·2		49·6	1·8		9·4
9·8		50·6	46·2		
9·2		59·8	49·1	a	8·8
9·8	2	27·6	11·0		
9·8		29·8	23·3	a	9·2
9·8		37·3	57·4		
9·8		37·3	9·2		
9·6		40·6	31·3		9·6
9·0		48·4	44·8	a	9·2
9·6		51·6	50·5		
9·4		56·6	24·8		9·7
9·8	3	3·1	1·3		9·8
9·8		12·7	2·3		
9·8		13·6	33·7		
9·5		16·6	54·1		9·6
7·8		29·6	25·2	Cal	7·2
9·6		39·3	24·3		
9·8		50·8	9·7		
9·6		58·0	35·4		9·7
9·2	4	1·2	11·3		9·7
9·8		6·0	15·9		9·8
9·8		16·5	2·6		9·7
8·7		16·8	13·0	C	9·0
8·0		22·5	54·8	Cbl	8·2
9·0		37·0	34·0		9·3
9·8		40·2	49·2		
9·2	5	0·0	9·8	C	9·0
9·8		9·3	42·5		
9·2		12·5	41·1		9·6
9·8		15·8	40·2		10·
9·8		17·5	53·1		9·8
9·8		20·2	10·8		9·5
9·8		34·0	26·1		
9·2		44·3	29·8		
9·8		59·2	49·0		9·5
9·6	6	6·5	59·1		
9·6		9·1	22·4		9·9
9·2		10·6	27·8		9·8
9·8		26·9	34·5		
9·8		39·1	16·2		9·8
9·8	7	8·6	14·8		10·
9·8		12·2	36·0		
9·6		15·6	21·9		9·3
10·0		16·8	28·9		9·7
	+1	8·1	−6·0		

4321—4380.

mag.	9h. m	s	—20° ′		
10·4	7	26·4	57·1		
10·8		27·4	12·3		
10·2		41·0	44·8		
10·3		45·8	24·9		
9·2		54·8	0·9		
10·8		55·9	29·7		9·8
10·0		57·8	5·8		
9·0	8	3·9	51·0		9·0
10·4		13·4	20·4		9·8
10·2		16·9	42·3		9·5
9·0		25·9	5·1		9·2
10·8		28·9	10·9		
10·8		32·2	43·1		
10·4		41·7	5·3		
9·6		48·0	33·9		9·5
10·0		50·7	47·6		
10·7		55·2	54·2		
10·8	9	1·2	39·6		
9·8		3·7	41·7		9·6
10·6		7·7	25·0		
10·7		10·7	54·5		
10·6		16·7	19·8		9·5
10·0		23·2	30·1		9·4
10·7		33·7	55·8		
10·8		38·7	17·2		
9·3		43·7	38·4		9·2
10·4		49·7	21·9		
10·8		50·8	8·8		
10·4		54·2	16·1		
10·4	10	11·7	32·0		9·8
8·2		13·0	59·9	MCal	7·5
10·7		27·2	24·5		
7·8		29·2	40·6	Cbl	7·7
8·9		32·2	44·8		9·0
9·3		34·7	18·7		9·5
10·7		38·2	44·8		
10·6		47·7	33·5		
9·5		49·7	17·2		9·6
9·3		55·2	49·1		9·6
10·7		58·2	5·8		
10·6	11	12·7	9·3		
9·6		24·6	58·6		
10·8		26·2	6·1		
10·2		26·7	50·9		
10·0		27·2	41·8		9·8
8·2		36·9	42·5	C	9·0
10·8		38·9	3·6		
8·0		41·4	48·8	Cbl	7·7
9·5		42·4	40·5		9·3
9·5		42·4	7·3		
9·6		44·9	39·6		9·7
10·8		48·1	1·8		
10·3		50·7	58·3		
10·8		51·4	33·4		
10·0		54·4	11·1		
9·5		58·4	53·5		
10·0		59·9	10·6		9·8
9·6	12	3·9	55·6		9·8
9·0		4·4	32·7		9·5
8·9		6·4	30·0		9·4
	+1	8·3	−6·2		

4381—4440.

mag.	9h. m	s	—20° ′		
9·2	12	7·9	27·6		9·8
10·7		12·9	7·8		
10·8		15·4	29·2		
10·8		19·4	45·0		
10·3		19·4	20·5		
10·2		20·4	24·8		
10·7		28·9	3·2		
10·3		46·4	10·4		
10·7		50·9	21·0		
10·6		52·4	49·4		
9·0		57·4	45·7		9·2
10·7	13	1·4	58·4		
8·6		8·9	18·4		9·3
8·6		12·4	15·7	Ca	8·5
9·4		13·7	2·0		9·7
10·0		14·9	51·1		
10·2		26·4	38·8		
9·3		35·9	28·0		9·8
10·4		36·9	46·3		
9·5		50·8	3·6		9·7
9·0		52·8	12·3		9·3
10·8		54·8	10·3		
8·9	14	3·3	4·0		9·2
10·8		3·8	53·4		
8·8		4·3	32·5		9·5
10·4		5·8	51·6		
10·8		8·3	37·8		
10·0		20·3	2·2		
10·0		21·8	19·3		
8·5		34·8	49·9	MC	8·8
10·7		35·3	23·5		
10·0		35·3	10·1		9·8
10·7		36·3	14·7		
10·6		38·3	25·5		
10·4		47·3	42·1		
10·2		49·3	32·0		
9·4		49·3	53·7		9·8
10·6		52·3	25·9		10·
9·8		53·3	44·8		9·9
9·6		57·3	23·9		9·9
9·8	15	4·8	58·0		
9·8		5·3	31·0		9·9
9·5		9·8	1·2		9·8
7·8		12·3	27·0	Cbl	8·3
10·8		12·8	42·3		
9·3		14·3	30·8		9·7
10·2		16·3	3·5		
10·0		25·3	50·6		
10·8		29·8	11·3		
9·5		32·3	55·6		10·
9·5		35·3	55·1		
9·8		42·3	20·8		
10·8		43·3	52·3		
10·8		50·3	17·0		
9·4		52·8	13·1		9·5
10·8		55·2	46·9		
9·3		55·7	54·3	a	9·3
10·2		56·3	32·8		
10·6		58·7	36·4		
10·7	16	6·2	17·9		
	+1	8·5	−6·3		

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4441—4500.

mag.	9h. m s	—20° ′		
9·0	16 12·2	10·9	Ca	8·8
9·5	13·2	12·4		9·5
10·6	20·7	49·9		
10·7	26·0	2·0		
10·3	26·2	14·1	a	9·5
10·0	26·2	30·5		9·8
10·2	29·2	8·9		
10·4	32·2	12·2		
9·3	37·2	15·0	a	9·2
10·8	42·2	21·6		
9·0	46·2	4·2		9·5
8·4	50·2	38·5	C	9·0
9·6	58·7	45·4		9·4
10·3	17 1·2	1·4		9·4
9·6	13·7	27·3		9·4
8·4	16·2	28·0	Cal	8·7
10·7	18·7	21·5		
9·8	22·3	57·4		9·8
10·0	23·2	6·9		9·9
10·0	28·2	18·0		
10·0	29·7	13·0		9·8
8·0	31·2	30·2	GCalπ	6·8
10·4	36·7	47·7		
10·7	47·2	2·6		
9·6	55·7	8·8		9·5
10·8	58·7	27·2		
8·8	18 2·7	13·9	a	9·2
9·6	2·7	46·2		9·8
10·0	3·7	38·8		10·
9·6	14·2	31·0		
10·0	22·2	12·8		
10·8	25·2	41·8		
9·6	30·4	50·5		9·9
10·8	30·9	54·6		
10·6	42·1	19·3	: ?	
9·5	45·9	33·9		9·8
10·0	45·9	11·5		9·8
9·8	47·9	54·1		9·5
10·4	19 2·9	33·3		
9·3	2·9	11·0	a	9·2
10·6	10·1	17·9		
10·0	11·9	9·8		9·8
10·6	12·9	24·5		
10·3	18·4	29·2		
9·4	19·9	50·6		
9·2	24·9	46·9		9·7
10·4	25·9	29·2		
10·3	27·1	59·5		
10·6	27·4	34·6		
10·7	29·4	26·6		
8·2	32·9	14·0	Ca	8·3
10·2	39·9	27·0		9·8
8·8	39·9	33·9	Ca	8·5
10·2	39·9	13·3		
10·4	48·4	3·6		
10·7	51·9	13·8		
9·6	52·9	41·3		9·5
10·2	55·4	47·6		
10·0	20 0·4	44·4		
9·6	2·9	41·2		9·8
25pr.	+1 8·7	−6·4		

4501—4560.

mag.	9h. m s	—20° ′		
7·4	20 11·4	13·2	Cal	7·2
10·7	30·6	1·4		
10·3	39·1	34·3		
10·0	42·4	48·1		
10·8	45·4	4·9		
10·6	49·4	35·8		
8·4	51·4	10·9	Ca	8·2
8·6	21 0·9	6·5	Ca	8·7
10·6	1·9	20·9		
10·4	14·8	18·8		
8·9	14·9	55·0	Ca	9·0
10·3	15·8	11·6		
10·3	19·8	42·5		
10·8	21·3	4·4		
10·8	26·8	2·6		
10·6	30·3	18·4		
10·7	31·8	56·8		
10·4	34·8	26·6		
8·8	42·3	14·0	Ca	8·5
10·2	50·3	38·2		
10·7	51·8	16·3		
10·8	55·8	35·4		
9·2	59·3	34·8		9·4
10·6	22 1·8	51·2		
9·2	12·8	39·3		9·4
10·6	22·8	17·4		
9·8	28·8	11·8		
10·6	32·8	5·2		
10·8	39·3	23·0		
10·4	45·8	49·8		
10·8	51·8	29·6		
9·3	56·8	20·7		9·5
7·4	56·8	15·2	GCal	8·0
10·8	23 1·8	35·8		
10·8	10·9	12·6		
10·0	11·8	56·4		9·8
10·6	13·8	2·3		
10·6	18·3	4·6		
10·6	22·3	12·4		
9·3	23·8	15·0		9·5
7·3	26·8	12·2	GCal	5·7
9·5	35·8	33·0		9·8
9·6	40·8	49·2		
10·2	43·3	50·0		10·
9·5	49·3	6·0	a	9·4
9·0	51·3	2·3	a	9·3
10·4	53·3	24·5		
10·8	24 5·2	37·8		
10·8	12·7	36·8		
10·8	14·7	3·3		
9·3	18·7	45·9		9·6
10·8	20·0	31·9		
10·8	26·7	39·0		
10·8	27·0	22·8		
8·6	28·2	27·3	Ca	9·0
10·4	30·7	39·9		
9·6	34·2	31·2		
10·2	42·2	45·8		
7·6	45·7	25·8	Cal	8·0
10·7	46·7	16·6		
	+1 8·9	−6·5		

4561—4620.

mag.	9h. m s	—20° ′		
9·0	24 49·7	3·2		9·7
10·8	52·7	12·7		
10·0	57·7	12·5		
10·3	58·7	58·8		
9·6	25 5·7	41·7		10·
10·3	8·7	24·8		
8·4	9·7	27·8	Ca	8·8
9·8	11·7	43·2		9·9
9·3	14·7	18·8		10·
10·8	15·2	22·4		
10·2	24·2	52·2		
8·2	35·7	10·3	a	8·8
9·6	41·2	38·8		10·
10·8	48·7	32·4		
8·0	56·7	47·7	Cbl	8·3
10·7	59·7	57·7		
9·6	26 0·2	4·8		9·4
10·3	2·2	12·0		
10·8	11·7	11·2		
10·8	20·2	36·6		
10·8	23·2	47·8		
8·2	26·2	9·2	Ca	8·7
9·6	28·1	38·5	}	9·4
10·6	28·9	38·3	}	
10·7	32·1	34·7		
10·0	41·1	26·1		
10·6	41·1	13·9		
10·8	41·6	44·6		
9·8	44·6	39·7		10·
8·9	51·6	49·1		9·1
10·8	53·6	17·5		
10·7	54·6	42·4		
9·6	27 10·1	19·7		
10·8	12·1	39·8		
10·7	16·1	32·6		
9·6	24·6	9·3		
6·1	26·9	33·7	Gbl	5·0
8·2	27·1	9·8	Ca	8·5
10·7	31·1	56·9		
6·5	32·5	50·3	GCal	7·0
10·8	33·6	3·0		
10·8	37·1	14·7		
10·8	37·9	17·9		
10·7	38·1	47·1		
10·8	42·1	13·8		
10·2	57·1	7·0		
10·7	59·1	30·7		
9·3	28 6·3	58·6		9·3
8·8	6·6	55·9	}	9·1
9·2	8·5	55·3	}	
9·0	21·5	30·7	a }	8·8
9·8	21·5	30·5	}	
8·8	21·5	43·0	a }	9·0
9·0	22·5	42·5	}	
10·6	23·1	44·3		
9·0	24·0	48·1		9·4
8·9	29·2	56·3		9·3
10·0	39·4	48·5		10·
10·0	43·2	38·3		
9·2	43·2	3·7		9·2
	+1 9·1	−6·6		

4621—4680.

mag.	9h. m s	—20° ′		
10·8	28 48·1	9·9		
9·6	48·7	29·5		9·8
8·0	54·6	32·4	Cal	8·5
9·5	55·4	46·1		9·8
10·3	56·8	59·5		
10·0	29 7·3	31·2		10·
9·4	41·8	23·4		9·8
10·2	46·8	48·0		10·
8·6	52·3	26·7	CWa	9·0
10·3	56·4	40·4		
10·1	30 20·4	10·2		9·8
10·0	21·3	25·8		9·9
10·3	28·3	8·4		
10·3	31·3	8·9		
8·4	32·3	19·6	CWa	8·0
9·5	33·8	28·3		
7·8	37·3	54·3	Cal	8·2
10·3	37·4	45·0		
9·4	39·7	33·9		9·8
10·0	48·3	53·9		
9·6	52·8	5·1		9·7
9·8	58·3	38·3		10·
10·1	31 5·8	48·2		
10·0	12·3	19·6		
9·0	18·3	1·8		9·3
8·0	21·3	50·5	MCal	8·0
9·8	36·3	42·7		9·5
9·4	38·8	3·3		9·5
10·0	48·8	13·7		
10·1	51·3	3·9		
9·4	32 18·3	49·4	a	9·3
10·3	19·4	28·9		
9·5	21·4	41·9		9·4
10·1	30·8	35·6		9·8
9·0	39·3	48·1	MCa	9·0
8·4	43·8	21·8	CW	8·5
9·2	33 4·3	6·8		9·7
9·2	12·3	43·9	Ca	9·1
9·6	14·3	29·5		9·4
10·1	14·8	8·2		
10·0	24·8	9·3		
9·1	35·3	39·2	a	9·1
10·2	35·3	43·7		
9·5	37·3	41·2	a	9·7
10·0	43·0	1·2		9·6
8·8	43·3	25·0		9·2
10·3	51·4	57·3		
9·0	52·8	3·3	a	9·0
9·2	34 17·3	2·7	Ca	9·1
9·8	20·3	45·5		
9·4	22·3	28·4		9·3
9·6	22·3	15·6		
10·0	33·8	6·7		
9·8	37·8	5·5		
9·6	41·3	48·4		9·8
10·2	51·8	1·4		
9·0	56·3	41·4	a	9·0
9·4	35 5·8	43·0		
10·2	9·8	40·6		
9·6	14·8	45·1	a	9·3
	+1 9·3	−6·7		

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4681—4740.

mag.	9^h m	s	−20° ′		
10.1	35	25.2	30.0		
10.0		41.2	24.3		9.8
9.6		42.2	16.3		9.6
10.2		48.7	7.5		?
9.1		51.2	55.8	a	9.3
9.5		52.7	32.8		9.8
9.1		56.2	47.3	a	9.5
10.1	36	6.2	27.5		9.8
8.8		12.2	21.1	MCa	9.0
9.2		12.7	28.5		9.7
9.5		28.7	11.8		
9.6		39.7	33.8	}	
8.4		40.7	33.8	Cal }	7.7
9.0		58.7	24.8	a	8.7
9.0	37	14.2	21.2	a	9.0
9.2		18.2	45.3		9.5
9.5		35.2	55.4		9.5
9.8		35.7	7.0		
10.0		37.2	1.7		
9.5		50.2	45.3		9.5
9.4		55.2	35.6		
7.9		57.2	35.0	Cal	8.2
10.3	38	9.2	22.6		
9.2		16.2	10.6		9.5
9.6		35.2	55.3		10.
9.5		42.2	10.5		9.8
10.3		51.7	21.9		
9.5	39	2.2	12.4		9.5
9.8		3.2	46.2		
9.6		5.2	19.8		9.8
9.0		12.2	44.3	a	9.3
10.1		17.2	14.8		9.8
10.2		17.2	23.4		9.8
10.0		21.7	56.2		
8.4		27.2	6.0	Cbl	8.2
9.6		35.9	55.5		9.8
10.3		37.9	43.1		10.
10.0		49.9	33.1		
10.0		56.8	2.1		
9.0		58.9	26.6		9.1
10.1	40	13.9	10.0		
9.0		15.4	47.5	a	9.2
9.2		46.7	59.4		9.4
9.8		50.9	52.4		9.8
10.3	41	37.5	59.4		
9.4		47.9	13.5		9.4
9.2		50.9	26.2		9.8
10.0	42	6.4	38.7		
10.3		10.9	51.1		
9.8		26.7	57.4		9.8
10.0		43.9	0.9		
8.8	43	5.4	46.9	MC	8.7
8.4		12.9	51.4	MCal	8.5
9.1		21.4	53.3		9.8
10.2		25.6	57.4		
10.1		34.4	3.7		
9.2		35.9	54.1	MCa	9.0
9.4		42.9	42.3		9.1
9.4	44	6.9	35.6		
8.4		11.4	32.8	C	8.5
25pr.	+1	9.6	−6.8		

4741—4800.

mag.	9^h m	s	−20° ′		
9.1	44	20.9	39.4		9.1
9.5		30.9	52.0		9.7
9.5		35.9	53.2		9.8
9.8		39.9	28.1		
9.5		40.9	37.4		
8.2		51.9	29.6	Cbl	8.5
7.9		54.9	11.1	Cbl	8.0
8.2	45	0.9	52.8	MC	8.1
9.6		2.4	50.2		9.3
9.6		4.9	17.1		9.4
10.1		7.9	8.5		
7.9		12.4	28.9	Cbl	7.8
10.3		14.9	51.3		
10.1		20.9	25.0		
9.5		24.9	12.4		9.9
9.8		26.9	11.7		
9.8		34.7	14.4		
10.1	46	1.7	12.2		
10.3		45.5	12.0		
10.0		50.5	56.4		
9.1		55.7	27.2		9.4
10.0		56.2	42.3		9.4
10.2		59.7	43.1		
8.6	47	24.2	12.7		8.8
9.1		30.7	51.2		9.4
10.3		33.2	47.6		
8.6		36.2	26.5	C	8.8
10.0		39.7	55.4		
9.0	48	4.3	27.9		9.1
9.8		8.0	32.1		9.4
10.3		16.2	34.2		
9.1		23.6	13.5		9.3
10.0		28.0	10.2		10.
10.0		58.5	27.4		9.5
10.4	49	12.8	16.0		
10.2		36.8	3.9		9.6
10.0		53.3	37.0		
7.4		54.8	9.1	Cbl	7.7
10.0	50	1.8	10.0		
9.0		3.8	54.1	C }	8.7
9.7		4.3	54.5	}	
9.6		5.8	16.0		9.8
8.5		43.8	39.6	Cbl	8.2
8.8		51.3	15.0		9.0
9.4		52.8	49.9		9.5
9.6		53.8	7.5		9.7
10.4	51	4.8	35.2		
9.7		21.3	51.2		10.
10.4		44.8	4.7		
9.4		49.8	49.1		9.4
7.9		55.8	35.1	Cal	7.7
9.8		57.8	38.1		
9.0	52	4.8	53.1	a	9.6
10.0		28.3	35.1		
8.6		31.7	58.1	a	9.0
8.8		38.8	23.6	K	9.1
9.0		41.3	37.7	Ca	9.0
9.1		57.3	37.4		9.8
10.0	53	18.8	43.5		
8.5		52.3	57.9	Ca	9.0
	+1	10.0	−7.0		

4801—4860.

mag.	9^h–10^h m	s	−20° ′		
10.4	53	56.3	52.3		
10.0	54	12.8	37.5		
10.4		27.2	8.9		9.9
10.0		29.3	31.9		9.9
9.0		37.3	45.3		9.3
9.2		47.3	44.5		9.7
9.5		47.3	3.1		9.5
9.0	55	3.3	47.7	Ma	9.1
10.0		11.3	53.9		
9.1		16.3	33.0		9.4
10.0		26.8	28.2		
8.6		50.3	21.9	a	8.7
9.4	56	2.3	27.6		9.5
10.2		9.2	13.4		
9.0		13.3	7.5		9.2
9.5		14.8	24.5		9.8
8.6		16.3	57.5		9.0
8.6		19.3	14.3	a }	8.8
10.4		20.2	14.2	}	
10.0		21.8	56.9		
8.6		21.8	36.9		9.0
9.6		36.8	15.3		9.9
8.6		50.7	26.3		9.1
8.0	57	0.2	13.7	Cal	8.6
9.7		5.7	7.4		9.7
9.0		6.2	6.2		9.4
9.4		8.2	27.6		9.7
10.4		14.7	51.6		9.5
10.2		16.7	0.9		
9.7		20.2	35.2		
7.7		20.2	19.5	GCal	7.7
8.8		26.2	33.8		9.0
9.5		32.2	23.7		
10.4	58	42.0	58.1		
9.5	59	14.7	7.5		9.3
8.8		27.2	45.0	C	8.4
10.2		31.9	59.5		
8.8		32.2	51.9		9.0
8.6		32.2	28.4	a	8.9
9.8		44.7	2.2		9.8
8.5		50.9	59.6	M	9.0
9.1		52.4	42.1		9.7
10.0		53.9	53.3		
9.2	0	12.9	44.9		9.3
9.0		13.9	39.7		9.3
8.2		15.4	20.4	Cal	7.2
7.7		38.9	40.7	GCal	8.4
9.0		41.9	24.5		9.3
9.7	1	6.4	9.7		
6.8		13.9	38.8	Gal	7.0
9.8		15.9	31.6		9.8
9.4		38.9	41.6		9.7
9.7		41.4	13.2		9.8
9.0		42.9	8.1	a	9.3
9.4		54.2	0.2		9.7
8.8	2	3.9	10.4	a	9.2
9.7		22.9	27.5		9.8
8.8		36.9	46.1	C	9.0
9.2		39.9	48.2		9.4
9.0		48.9	34.0		9.6
	+1	10.4	−7.2		

4861—4920.

mag.	10^h m	s	−20° ′		
9.8	2	54.9	43.4		
10.4	3	5.9	13.3		
10.4		15.4	18.9		
10.0		25.7	59.3		
10.2		47.9	2.6		
10.4	4	12.6	58.9		
8.8		20.6	18.6		9.4
9.8		35.1	10.1		
9.5		38.1	38.1		9.9
9.2		54.6	3.7		9.4
9.5		59.6	3.6		9.6
8.4	5	3.8	1.7	C	8.5
8.3		13.1	11.4	C	8.4
10.4		24.1	59.4		
9.1		35.1	53.8		9.0
8.8		52.3	22.6		8.9
10.0		56.3	34.6		
8.5	6	2.3	40.0	Cbl	8.0
10.4		16.3	41.5		
9.0		39.8	28.9		9.1
8.8		51.5	9.6		9.4
9.1	7	2.0	41.6		9.4
10.4		9.3	39.6		
9.8		11.7	33.1		10.
9.2	8	2.3	17.4		9.0
10.2		18.3	27.0		9.3
10.2		37.3	24.0		
9.5		51.8	19.5		9.6
9.6	9	32.8	37.1		9.5
10.2		38.4	52.9		9.7
9.2		44.4	39.3		9.2
10.2		54.4	38.1		
10.3	10	6.4	59.5		10.
10.1		16.4	22.9		9.7
10.0		18.4	23.0		9.7
7.1		50.7	2.8	GCbl	6.6
10.2	11	30.4	14.9		9.8
9.7		31.4	29.6		9.7
9.6		31.4	37.1		9.7
7.5		45.9	58.1	C	7.0
9.8		47.9	53.5		9.7
8.2		56.4	24.0	Cbl	7.0
9.2	12	35.9	53.7		9.1
10.3	13	13.4	9.0		10.
8.8	14	0.4	43.2	C	9.0
9.7		3.9	54.3		9.5
8.8		6.4	35.8	C	8.5
10.0		29.1	9.2		10.
9.0		40.1	46.1		9.7
9.2		42.1	34.4		9.3
10.2	15	4.1	23.9		9.6
8.8		17.1	26.0	a	9.0
8.4		18.1	15.1	Ca	8.7
10.0		24.6	30.0		
9.3		45.9	56.4		9.7
9.6		47.1	46.4		9.8
9.2	16	1.6	42.2		9.5
8.0		13.1	38.7	Cal	7.8
8.7		15.1	2.9		8.5
9.2	17	2.6	41.0	a	9.3
	+1	11.0	−7.4		

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4921—4980.

mag.	10h. m	s	—20° ′		
9·6	18	1·1	56·6		9·8
10·3		3·1	52·5		10·
9·8		6·0	5·5		9·5
8·4		46·1	53·7	Cbl	8·4
10·2	19	11·1	24·5		
9·0		25·1	28·1		9·2
10·2		57·1	51·5		
9·7	20	6·1	21·4		9·4
8·6		20·6	21·5	Cbl	8·7
9·6		23·6	48·1		9·7
10·0	21	13·1	40·7		
10·0		21·0	34·5		
10·1		26·1	34·1		10·
8·4		29·1	48·2	C	8·4
9·2		31·6	15·6		9·1
8·8		39·6	47·6	C	8·6
9·8	22	4·1	45·5		9·3
8·8		29·4	2·6	a	9·0
9·6		40·1	27·9		9·6
8·6		41·6	53·8	Ca	9·1
9·3		52·6	26·0		
10·0		59·6	5·4		
9·8	23	13·1	36·9		9·8
9·4		36·6	48·6		9·7
8·8		46·3	9·0	Ca	8·7
8·7		52·8	7·0	a	9·0
8·8	24	6·3	48·9		9·2
10·3		22·3	34·5		
9·3		26·8	35·5		9·3
9·6		40·3	43·2		
9·3		47·3	7·0		9·3
8·4		53·3	34·2	Ca	8·8
10·2		56·3	5·0		
9·4		57·3	23·8		9·5
10·0	25	3·1	59·6		9·4
9·2		3·3	35·1	Ca	9·2
10·3		35·8	40·5		
8·8		38·8	0·1		9·1
10·1		39·8	6·6		
9·0		51·3	51·4	a	9·3
9·0		53·3	31·7		9·2
9·4	26	20·3	3·2		9·4
9·4		27·3	9·5		9·4
9·4		44·8	8·5		9·5
10·2		46·3	24·9		9·8
8·8		55·3	58·2	a	9·1
8·8	27	20·0	26·5		9·1
9·3		21·3	37·4		9·4
10·2		32·3	20·9		
8·9		37·1	59·2		9·2
8·8		43·1	53·6	a	9·2
8·8	28	4·4	43·9		9·3
8·8		9·6	58·2	a	9·1
9·3		12·9	2·3		9·2
10·2		19·6	26·9		
8·7		31·1	20·5		9·3
9·3		45·1	7·1		9·5
8·8		48·1	11·9	C	8·8
10·2		49·5	32·1		
9·9	29	20·1	26·3		9·9
25pr.	+ 1	11·7	−7·6		

4981—5040.

mag.	10h. m	s	—20° ′		
10·4	29	48·1	52·4		10·
8·8		49·3	59·2	Ca	9·0
8·6		56·1	48·1	Ca	8·5
10·4	30	3·1	6·4		9·5
9·4	31	10·6	17·6		9·0
10·0		24·1	20·3		
8·0		56·6	9·9	Ca	8·5
10·2	32	8·6	39·4		
10·0		11·6	29·9		9·6
10·2		22·6	7·0		10·
10·0		29·1	56·7		9·6
10·4		43·6	51·9		9·6
10·4		57·6	11·7		9·4
10·2	33	19·6	43·3		9·5
8·4		27·6	12·1	Cbl	8·0
10·0	34	25·6	26·9		9·5
8·6		30·7	55·2	Ca	8·8
10·4		48·3	39·8		10·
9·6	35	34·2	24·3		9·6
10·2		47·2	58·9		9·5
9·6		48·7	52·5		9·5
8·8	36	7·7	45·0	C	9·3
9·6		40·2	13·3		9·2
9·0	37	7·2	22·1	a	9·1
9·6		11·9	18·4		9·5
9·3		15·9	20·5	a	9·3
10·2		37·9	30·1		
10·2		39·9	41·8		9·8
10·4		51·9	25·2		
9·1	38	22·9	46·7	a	9·0
9·3		32·4	32·0		9·3
9·8		52·9	2·8		9·3
10·4	39	10·9	54·5		9·8
9·0		23·4	41·4		9·1
10·2		45·6	26·6		9·6
8·2		49·6	18·9	Cbl	8·0
9·6	40	9·6	15·5		9·4
8·6	41	6·6	51·9	C	8·5
10·4		17·6	20·2		9·4
9·6		38·6	56·2		9·7
8·0	42	15·2	31·0	Cbl	7·8
9·8		15·4	0·4		9·6
10·4		25·2	24·5		9·8
9·6		43·2	52·3		9·6
9·4	43	3·2	44·7		9·6
9·0		15·2	45·8		9·1
10·2		46·2	55·8		
8·8	44	14·9	43·5	Ca	8·9
8·4	45	10·9	51·9	GCal	8·2
10·4		11·4	20·8		9·9
10·4		16·9	35·2		9·6
10·2		51·7	22·3		9·9
10·4	46	51·9	5·5		9·7
9·2		58·5	40·2		9·1
8·4	47	43·5	25·9	C	8·6
9·8	48	11·0	57·4		9·9
10·2		15·5	35·2		9·8
9·0		26·3	44·9	C	8·8
9·3		34·2	54·3		9·4
10·4		44·5	17·2		
	+ 1	12·4	−7·8		

5041—5100.

mag.	10h.–11h. m	s	—20° ′		
9·9	48	53·5	42·4		9·9
7·5	49	5·0	0·1	GCbl	6·5
9·8		24·0	44·1		9·3
8·7		36·0	51·0	C	8·6
9·0		58·5	27·6	C	8·7
8·5	50	2·5	26·6	C	8·7
7·9		32·0	36·5	C	7·8
8·6		37·5	0·0		9·0
8·9		53·0	54·3	C	8·8
9·7		58·5	43·7		9·7
8·6	51	5·6	59·4		9·0
9·2	52	28·5	53·1		9·4
9·1		43·5	15·4	a	9·2
8·6		55·0	30·1	Ca	8·8
9·0	53	3·8	57·5		9·3
9·2		17·5	24·1		9·3
8·5		19·0	22·5	Cal	8·0
8·9		40·5	40·1	C	8·5
9·8		48·0	36·7		9·9
9·8	54	22·5	52·9		9·4
8·8		57·9	49·1	C	9·0
9·1	55	5·9	30·1	C	9·1
9·8		9·4	55·8		9·9
9·8		43·4	6·1		9·1
8·8		53·4	49·4	C	8·8
9·2		58·9	38·3		9·2
8·0	56	19·9	44·2	C	7·5
9·2	57	20·0	58·0		9·2
9·2		29·4	53·9	C	8·9
8·8		46·9	4·9	C	8·8
8·8	58	17·9	16·2	C	9·0
9·6		18·4	12·5		9·6
8·2		23·9	27·0	Cbl	8·0
9·3	59	12·4	55·1		9·5
9·3		39·9	58·6		9·3
8·7	0	23·5	58·0	a	8·9
7·1		24·9	29·4	Cal	7·0
8·5		27·6	1·4	Ca	8·2
9·8		32·4	49·2		9·8
9·0	1	39·4	8·3		8·7
8·1	2	2·4	50·5	Cal	7·7
8·8		19·4	6·6	bl	8·5
9·8		28·4	27·1		9·6
9·3		40·9	57·0		9·4
9·0		46·4	13·8		9·3
8·7	3	13·4	15·4		9·1
9·8	4	1·2	2·1		9·8
9·8		7·2	1·9		9·8
9·3		20·9	35·8		9·3
9·8		30·9	41·1		9·6
9·0	5	5·9	28·4		9·5
9·3		44·9	23·5		9·4
8·2		53·4	39·2	Ca	8·0
8·4	6	2·4	32·3	Ca	8·5
8·4		4·4	36·4	Ca	9·0
8·4		5·4	37·2	Ca	9·0
9·1		7·4	44·0		9·1
9·3		8·9	41·7		9·5
9·8		9·4	36·7		
9·8		56·4	5·7		9·7
	+ 1	13·5	−8·1		

5101—5160.

mag.	11h. m	s	—20° ′		
9·2	8	4·9	49·3		9·1
9·7		18·5	23·4		9·8
9·7		21·3	29·1		
9·2	9	20·4	41·8		9·2
9·2		28·1	27·7		9·3
9·5		40·4	15·2		9·5
9·6		52·4	56·3		9·6
9·8		52·8	7·7		
8·0	10	3·7	0·5	Cbl	7·6
9·6		4·3	55·6		9·7
9·6		10·3	14·7		9·5
9·0		21·0	3·2		8·9
9·4		28·3	34·1		9·7
9·2		31·1	1·4		9·7
9·8		41·4	23·7		
9·1		56·4	12·6		9·0
9·8		59·3	22·6		
9·8	11	0·4	13·5		
9·8		8·4	14·8		
8·2		17·6	5·0	Cal	8·2
9·8		28·9	47·2		9·6
9·8		30·9	11·1		
9·8		31·2	15·1		
9·5		33·6	13·5		9·6
9·4		46·1	4·1		9·5
9·7		50·9	23·3		9·5
9·0	12	1·1	0·6	a	9·1
9·7		4·1	31·3		
9·8		10·4	23·7		
9·6		54·2	20·2		
8·8		54·6	1·2	a	8·8
9·7	13	0·1	26·3		9·1
9·8		3·8	58·1		9·8
8·7		14·4	45·0	Cbl	8·0
8·2		33·7	17·8	Cbl	8·3
9·7		36·0	46·3		9·5
9·8		38·0	44·4		
9·8		38·0	53·9		
9·6		41·6	13·7		
8·8	14	2·7	5·4	a	9·1
9·8		42·7	26·6		
9·8		53·7	1·0		
9·7	15	10·9	9·6		9·7
9·8		16·4	52·8		10·
9·8		26·9	3·9		
9·8		39·6	31·3		
9·8		40·6	9·5		
9·8		47·2	48·5		10·
9·4		49·1	56·5		9·1
9·7		57·4	14·0		
9·6	16	7·9	3·1		9·6
9·6		49·2	24·1		9·8
9·8		52·4	22·2		
9·8		52·6	41·8		9·7
9·8		55·9	31·0		
9·7	17	7·4	40·4		
9·8		31·1	23·5		
8·0		38·7	34·5	Cal	8·0
9·8		41·1	21·5		9·8
9·1		52·5	6·5	a	9·2
	+ 1	14·2	−8·2		

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5161—5220.

mag.	11h. m	s	−20° ′		
9.8	18	10.9	32.2		9.8
9.0		37.0	24.0		9.0
9.7		52.5	43.5		9.9
9.4		57.2	3.4		9.7
8.7	19	3.8	34.2	C	8.5
9.8		13.9	18.1		
9.5		16.8	4.4		9.3
8.6		17.3	32.4	Cbl	8.4
9.8		28.4	17.7		
9.8		32.5	55.2		
9.8		56.5	25.6		
8.2	20	1.5	42.8	Cbl	8.2
7.4		20.5	40.1	GCbl	7.0
9.8		30.4	12.6		
9.8		49.6	19.8		
9.8		49.9	4.8		
8.9	21	2.1	6.1	Ca	8.7
9.4		8.4	22.5	a	9.0
9.6		22.1	32.3		9.8
9.2		29.4	28.4	b	9.0
9.8		29.6	48.4		9.5
9.4		33.9	35.8		9.4
9.6		38.6	27.2		9.8
9.4	22	0.9	36.5		9.5
9.5		4.4	32.0		9.3
9.8		4.8	54.3		10.
9.8		24.6	49.3		9.8
9.8		34.4	36.4		10.
9.7		41.4	45.2		9.8
9.7	23	4.1	16.9		9.8
9.8		22.1	40.7		
9.8		22.2	6.9		
9.7		24.9	4.9		
8.2		29.4	39.1	MCal	8.2
9.7		41.7	7.4		9.5
9.5		43.9	54.0		9.7
9.8		54.7	57.5		9.5
9.8	24	5.1	50.2		9.7
9.2		29.2	44.8	C }	9.0
9.2		30.2	45.2	}	
8.6		30.2	52.0	C	8.3
9.2		46.2	51.7		9.4
9.4		52.2	45.6		9.5
8.6	25	0.2	26.4	C	8.5
8.4		12.9	17.2	Cbl	8.2
9.5		29.2	3.2		9.4
7.2		32.2	5.4	GCbl	6.3
9.5		45.9	9.9		
9.6	26	2.2	31.4		9.7
9.2		16.4	4.8		9.5
9.8		20.1	55.9		
9.8		22.2	9.2		10.
9.8		48.1	42.9		
9.8		55.8	42.4		
9.6	27	0.1	4.5		
9.8		9.3	24.2		
9.8		19.0	42.5		
9.8		47.8	8.9		
10.0	28	4.4	27.7		
10.0		5.1	29.1		
25pr.	+1	14.8	−8.2		

5221—5280.

mag.	11h. m	s	−20° ′		
10.0	28	12.7	48.9		
10.0		23.8	51.3		
10.0		25.7	26.3		9.8
10.0		52.8	49.7		10.
9.4		58.0	8.7		9.3
10.0		59.8	36.2		
9.8	29	0.9	19.7		
10.0		1.5	44.8		9.8
9.3		13.8	58.3		8.8
9.8		18.2	4.5		9.8
9.6		25.7	10.9		9.4
9.5		49.8	48.2		9.5
9.4		52.3	54.7		9.4
10.0	30	16.3	49.7		9.7
9.5		29.8	5.4		9.1
7.7		39.4	16.3	Cbl	7.7
9.6		43.8	53.3		9.4
10.0		43.8	12.5		
9.6		50.4	52.3		9.5
8.9	31	4.3	46.2	C	8.8
9.4		17.8	30.1	C	9.1
9.5		41.1	30.1		10.
8.8		51.8	1.2	Ca	8.8
10.0	32	9.3	25.2		9.5
9.4		31.8	21.6		9.5
7.5		37.8	28.8	Cbl	7.5
9.3		42.2	17.8		9.3
9.5		55.7	47.5		9.3
10.0	33	0.6	58.9		10.
9.5		17.4	25.7		9.5
10.0		24.0	7.0		
9.3		24.7	25.0		9.2
9.3		35.0	3.2	a	9.3
9.6		41.7	33.4		9.8
9.1		46.9	2.2	a	9.4
9.6	34	25.3	23.5		9.5
10.0		37.2	34.8		
9.3		38.7	30.9	Ca	9.2
9.8		39.0	14.4		9.8
9.5		46.6	41.1		9.2
9.4		49.5	28.4		9.2
10.0	35	1.6	32.6		
10.0		8.3	41.4		
8.9		13.0	9.7	a	9.0
9.5		15.1	25.6		9.6
10.0	36	35.6	1.2		
8.2	37	1.4	6.2	C	8.3
9.6		3.1	38.5	a	9.1
9.4		7.7	50.7		9.6
9.6		11.2	51.5		
9.5		11.9	8.7		9.6
9.5		15.9	19.0		9.4
7.5		30.4	20.7	C	7.3
10.0		42.2	19.9		
10.0		43.9	42.2		10.
10.0		47.7	20.9		9.5
9.8		53.2	1.8		10.
9.6	38	1.2	7.1		9.9
7.2		5.0	0.1	GCbl	7.2
10.0		5.7	50.6		
	+1	15.3	−8.3		

5281—5340.

mag.	11h. m	s	−20° ′		
9.5	38	33.3	52.9		9.2
9.6		37.8	55.7		9.8
9.5		55.8	15.1		9.5
9.3	39	4.4	55.0		9.0
7.9		9.8	46.7	Cbl	7.6
10.0		10.8	52.7		
9.8		19.1	9.0		9.9
9.6		19.6	38.4		9.8
10.0		35.4	21.9		
10.0		58.8	2.0		9.8
9.6	40	1.3	47.5		9.4
10.0		18.2	36.9		
10.0		30.2	47.2		
8.2		30.7	46.8	Ca	7.7
10.0		33.1	8.4		9.7
9.6		42.7	44.6		9.6
9.8	41	41.7	21.7		9.8
9.3		43.1	39.9	a	9.5
10.0	42	8.2	37.5		
9.9		11.8	37.0		9.8
10.0		12.6	4.4		
9.4		21.3	52.5	a	9.2
9.6		21.3	36.8		9.4
10.0		47.9	9.3		
9.6	43	18.1	15.3		9.5
10.0		27.4	24.7		
9.9		28.6	41.8		10.
10.0		36.6	40.0		
8.6		50.1	29.3	Ca	8.5
9.1	44	4.8	8.1		9.2
9.6		9.6	35.6		9.8
9.8		13.9	6.0		
10.0		20.1	10.2		
7.8		30.1	18.4	Ca	7.7
10.0		51.6	27.2		
10.0		59.1	12.8		
9.4	45	1.6	32.9		9.3
9.8		10.3	16.8		10.
7.4		11.5	56.5	Cal	7.2
9.8		14.1	30.5		9.8
9.4		26.4	12.0	a	9.4
10.0		34.8	43.3		
10.0		49.1	7.2		10.
9.1		58.1	8.4	a	9.2
10.0	46	1.4	35.0		
9.9		1.8	40.1		10.
8.9		8.1	32.3		9.3
9.1		18.1	8.3		9.5
9.8		51.8	33.1		
10.0	47	10.7	29.7		
10.0		13.7	57.6		
10.0		21.7	28.0		
9.8		29.2	30.8		
9.8		38.9	8.1		
9.8		39.7	30.4		9.6
9.8		58.4	18.8		9.5
9.5	48	2.7	4.0		9.4
10.0		2.8	4.5		
10.0		16.4	42.0		
9.4		54.5	5.5		9.6
	+1	15.9	−8.3		

5341—5400.

mag.	11h. m	s	−20° ′		
10.0	48	58.8	40.2		
9.2	49	15.9	54.8		9.0
9.5		21.8	59.3		9.7
9.9		24.1	10.4		9.5
7.6		30.2	57.7	Cbl	7.7
9.8		42.6	49.3		9.4
9.6		49.2	17.5	a	9.0
9.4		51.4	49.2	a	9.0
10.0	50	2.4	19.7		
9.6		6.6	57.7		9.8
9.4		16.1	43.3	a	9.2
9.8		28.2	28.2		9.5
10.0		37.7	22.1		
9.5	51	7.3	36.3		9.6
9.8		8.8	26.1		9.6
9.9		20.3	1.9		9.6
8.8		33.3	37.7	Ca	8.4
10.0		43.5	25.3		
10.0		51.3	0.5		9.7
10.0	52	1.7	10.9		
10.0		39.5	23.7		
10.0		43.0	10.7		10.
10.0		52.7	27.7		
9.5	53	10.3	9.4		9.5
10.0		14.4	59.6		
10.0		17.0	53.0		9.9
9.6		20.7	0.0		
9.8		21.7	46.7		9.3
10.0		25.0	51.2		
10.0		29.2	21.2		
9.9		30.2	28.7		9.8
9.4		49.9	2.3		9.3
10.0	54	14.9	54.5		9.8
10.0		27.2	50.6		
8.4		33.4	33.0	C	8.0
10.0		34.2	38.4		9.8
9.4		56.4	26.4		9.5
9.0		57.2	13.1		9.0
9.0		58.2	9.0		9.4
8.0	55	0.2	50.0	Ca	8.2
9.8		8.1	50.2		
10.0		15.8	27.2		
10.0		33.5	23.0		
7.5		39.3	6.7	Cbl	7.6
10.0		50.8	1.2		
9.5	56	0.1	19.6		9.5
9.9		1.8	13.2		9.8
9.2		20.5	42.0	Ca	9.0
9.5		27.1	29.7		9.8
9.6		37.1	13.8		
9.4		38.6	34.5		
10.0	57	0.1	46.3		
10.0		20.5	30.8		
9.8		21.1	57.2		10.
9.5		22.3	5.2		9.9
10.0		24.8	14.5		
10.0		32.6	39.0		
9.2		51.1	20.8	G	10.
9.1		51.3	39.1		9.1
7.8		52.6	20.5	Gatlπ	7.5
	+1	16.4	−8.4		

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5401—5460.

mag.	11h.–12h. m	s	—20° ′		
10·0	57	55·3	38·1		9·8
10·0	58	8·6	41·3		
8·0		15·9	39·1	Cbl	8·5
9·7		30·6	44·7		
9·2		44·6	22·0		9·3
10·0		57·2	1·2		
9·4	59	3·6	16·1		9·2
10·0		15·1	2·9		
9·4		38·9	4·8	a	9·1
8·8		40·6	58·7	Ca	9·0
10·0		45·3	59·7		
9·9		47·9	21·2		
9·7		59·1	50·1		
9·8	0	1·6	15·0		9·8
9·6		5·9	25·0		
9·4		7·1	30·4		
9·4		10·5	1·9		
8·8		10·8	2·5	Ca	8·6
9·4		13·1	24·9		9·8
10·0		22·8	10·7		
10·0		23·5	13·7		
9·6		32·2	44·7		9·6
10·0		36·5	7·2		
10·0		39·8	13·3		
10·0		49·8	0·9		
10·0		57·5	31·8		
9·2	1	0·2	54·3	a	9·2
9·9		1·5	10·5		
10·0		12·2	52·5		
9·8		19·8	39·5		
10·0		30·0	10·9		
9·4		55·0	21·7		9·1
10·0	2	22·5	15·0		
7·6	3	6·8	21·3	Cbl	7·8
10·0		25·4	28·8		
10·0	4	1·6	42·9		
10·0		15·5	58·0		9·9
9·4		24·0	19·7		9·4
8·6		33·7	12·6	C	8·9
10·0		36·1	24·0		
9·4		40·1	7·0		9·3
10·0		42·1	25·7		
9·9		49·2	39·7		
9·4		52·2	56·7		9·3
9·2	5	5·7	28·3		9·2
9·6		10·1	11·8		9·6
10·0		22·1	10·9		
9·5	6	1·4	5·9		9·6
10·0		7·7	31·3		
9·1		14·0	38·1		9·4
9·2		41·9	2·5	C	8·7
9·2		47·0	43·5	C	9·1
9·5		53·3	49·9		9·1
9·5		57·0	31·8		9·8
8·3	7	4·0	13·4	C	8·0
8·4		8·5	22·7	C	8·0
8·4		9·7	56·3	Gatlπ	8·5
9·5		20·5	12·6		9·7
9·0		28·3	52·3	a	9·1
10·0		40·5	10·4		
25pr.	+1	16·9	−8·4		

5461—5520.

mag.	12h. m	s	—20° ′		
10·0	8	0·9	1·5		
9·4		2·5	41·3		9·5
9·9		9·4	18·6		10·
10·0		9·9	35·0		
9·7		11·2	55·9		
8·8		28·6	49·7	MCa	8·9
10·0		31·5	23·9		
7·2		32·2	8·9	Gbtlπ	6·1
10·0		41·7	19·0		
9·7		54·6	56·5		9·5
9·7		59·4	6·1		10·
10·0	9	5·7	46·0		
9·0		12·9	42·2		9·1
9·9		40·1	28·6		
9·4		47·9	23·9		9·5
9·9		48·6	35·9		
9·6		48·6	12·2	a	9·2
10·0		51·6	26·8		
10·0		57·6	43·8		
9·5	10	18·1	53·6		9·4
9·0		22·8	18·5	Ma	9·3
9·9		26·3	26·0		
9·5		38·3	9·1	a	9·4
9·0		56·6	21·5	a	9·0
9·8	11	3·3	26·1		
10·0		8·8	25·7		
9·8		21·6	48·5		9·8
8·1		23·0	10·1	Cal	8·6
10·0		23·2	21·7		
9·7		38·8	20·4		
7·5		46·5	8·8	Cbl	7·5
10·0		57·0	40·3		
8·1		59·0	6·9	Cbl	8·0
9·9	12	2·2	11·5		
9·5		9·2	57·9		9·5
8·6		26·2	49·7	Ca	8·2
10·0		51·8	3·3		
9·7		54·8	29·1		9·6
9·7	13	2·9	57·3		9·4
8·6		27·8	47·9	Ca	8·8
10·0		29·3	0·4		
9·6		30·3	57·3	a	9·3
9·8		59·0	38·0		9·9
9·6	14	4·0	8·3		9·2
10·0		29·3	24·3		
9·6		41·8	22·7		9·5
8·8		45·8	0·9		9·1
9·7		50·6	40·4		
9·4	15	0·1	55·1	a	9·4
9·4		22·8	58·3	a	9·6
9·6		51·1	7·6		9·6
10·0	16	1·6	20·4		
9·6		9·6	14·7		9·7
9·4		10·6	34·3	a	9·5
8·4		29·3	20·0	Ca	8·9
9·6		39·0	37·1		10·
9·6		41·7	44·8		
9·6		54·2	48·1		9·8
9·8		57·0	31·8		
9·4	17	1·5	1·5	a	9·2
	+1	17·4	−8·3		

5521—5580.

mag.	12h. m	s	—20° ′		
9·7	17	13·2	47·3		9·9
9·4		34·7	12·6		9·8
9·0		38·5	37·8	C	9·0
9·4		49·8	34·9		9·5
10·0		51·5	9·1		
9·2	18	7·2	7·4		9·2
8·6		16·0	6·3	Ca	8·6
8·6		30·2	58·3	C	8·8
9·2		31·5	16·3	a	9·1
9·0		45·0	20·5	Ca	9·0
8·7		48·0	32·1		9·1
9·8	19	41·5	4·9		9·7
9·7		46·2	30·9		10·
9·7	20	48·5	23·1		9·5
9·9		49·9	1·5		
8·0	21	0·7	31·9	C	7·8
9·6		10·8	22·6		9·8
9·4		12·0	41·8		9·8
9·4		21·8	9·8		9·5
9·4		47·8	19·2		9·5
9·5		52·3	33·6		9·5
9·5		55·3	0·9		9·3
9·7	22	4·6	36·4		
10·0		50·6	11·9		
9·0		56·6	42·6	C	8·3
9·7		58·6	34·7		9·8
10·0	23	0·6	37·1		
10·0		16·8	9·6		
9·7		31·1	5·7		9·8
9·8		37·6	7·8		
9·4		38·6	56·9		9·4
9·0	24	16·0	57·1	Ca	8·4
10·0		18·0	44·7		
9·3		21·8	2·7		9·1
9·6	25	4·0	40·5		9·9
9·6		6·3	56·1		9·4
7·9		21·7	17·5	GCal	7·3
9·9		26·1	58·3		9·9
9·6		33·0	39·3		9·5
9·8		41·9	44·1		
9·4		51·5	37·7		9·2
9·4		55·0	37·9		9·4
7·4	26	1·5	31·2	Gbl	6·5
9·3		20·9	29·2		9·3
8·6		43·1	23·7	Ca	8·5
9·8		58·9	56·0		9·5
9·8	27	21·5	42·2		
9·6		35·0	36·6		
9·4		50·2	50·7		9·3
10·0		50·7	24·5		
10·0		54·7	15·5		
9·6		55·0	41·2		9·6
10·0	28	22·5	2·3		
9·2		23·7	8·8	b	8·8
7·9		24·8	31·6	C	8·4
9·4		47·0	59·3	a	9·4
9·8		58·0	3·0		9·7
9·4	29	3·7	4·6		9·6
10·0		11·4	4·3		
9·9		12·0	53·2		
	+1	18·1	−8·3		

5581—5640.

mag.	12h. m	s	—20° ′		
10·0	29	36·4	14·0		10·
9·4		49·9	30·2		9·2
10·0	30	1·4	8·3		
9·8		2·4	33·3		
8·2		7·3	37·0	Ca	7·8
8·8		20·3	14·8	C	9·1
9·2		23·0	54·0	a	9·2
9·8		25·8	44·3		
9·4		27·6	39·1		9·6
9·4		56·0	23·0		9·3
9·6	31	21·1	46·0		9·7
10·0		32·6	48·6		
9·6		40·4	48·0		9·5
9·2		40·4	42·4	b	9·1
9·4		58·4	49·9	a	9·1
9·4		59·4	56·1		9·4
9·5	32	7·1	37·6	a	9·6
9·9		13·4	4·5		
10·0		27·6	1·0		
10·0		33·1	19·8		
10·0		56·6	6·6		
10·0	33	0·0	19·4		
10·0		11·7	8·0		10·
8·7		19·3	16·9	Cb	8·5
9·2		24·1	32·7	a	9·4
10·0		26·0	12·5		
9·9		47·3	36·0		
9·2		49·3	35·7	a	9·3
10·0		50·0	34·9		
9·4	34	19·0	48·2	a	9·3
10·0		28·0	22·5		
9·9		46·6	58·0		
9·0		50·1	18·9		9·2
9·2	35	4·1	59·9	a	8·8
8·8		9·9	14·1	C	8·8
9·8		21·3	41·8		
9·6		37·1	25·9		
9·7		40·6	4·6		9·7
10·0		45·3	30·3		
9·4		47·9	4·7		9·6
9·4		56·1	23·8		9·5
9·8		59·1	18·3		
10·0	36	0·2	48·2		
10·0		11·2	22·4		
9·6		24·9	30·2	a	9·7
9·8		38·4	52·2		
9·9		46·6	59·8		
9·1		54·4	41·0	a	9·1
9·4	37	2·3	44·2		9·6
9·7		14·3	4·8		9·8
10·0		26·0	24·8		
9·8		29·6	19·9		9·8
9·5		47·0	51·6	b	9·3
9·6		49·6	42·8		9·7
9·0		52·7	59·0	a	9·0
10·0		58·6	35·8		
10·0	38	16·8	26·3		
10·0		30·0	28·5		
9·9		30·3	31·6		
9·5		31·0	23·9		9·5
	+1	18·6	−8·3		

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5641—5700.

mag.	12h. m	s	−20° ′		
10·0	38	45·0	0·6		
8·8		52·0	52·7	a	9·1
10·0	39	8·3	11·1		
9·9		25·0	10·3		
9·2		27·6	25·5		9·4
8·7		51·6	9·9	C	8·8
10·0		58·3	22·2		
9·7	40	6·6	20·6		
9·7		19·0	49·2		
10·0		21·6	34·8		
9·6		23·6	36·3		10·
10·0		29·2	33·5		
9·5		32·2	28·3		9·5
9·4		35·6	7·4		9·4
9·8		40·6	27·2		
9·7		41·9	17·8		
8·4		50·6	46·9	Cal	8·2
9·8		53·2	16·2		
9·6		59·7	1·1		
9·9	41	14·8	58·0		
9·6		34·4	16·5		9·6
9·0		34·7	14·2		9·5
10·0	42	9·5	31·4		
9·8		38·9	59·0		
9·6		38·9	30·1		9·7
9·8		50·4	46·4		9·5
8·7	43	11·9	34·3	Cb	8·7
10·0		26·2	12·1		
9·8		39·9	44·8		10·
9·7		41·7	43·2		10·
9·6		48·9	34·0		
9·2		56·7	35·6	:	9·4
9·7		58·9	27·7		
9·9	44	4·4	6·4		
9·8		4·9	15·1		
9·8		11·7	31·8		
9·9		19·9	20·9		
9·7		21·7	32·6		
9·0		23·2	33·5	Ca	8·7
10·0		36·2	29·0		
9·7		55·7	32·3		10·
9·9	45	39·5	31·2		
9·0		59·5	14·7	a	9·0
9·6	46	5·9	23·1		10·
9·9		37·6	17·5		10·
9·9		41·4	48·5		
9·8		44·6	3·7		
9·9		46·1	45·8		
9·7		46·3	30·1		9·6
9·0		53·3	37·1	C	8·7
10·0		57·4	12·3		
9·8	47	4·1	43·2		
9·8		6·6	20·6		
9·6		8·3	6·6		
9·7		29·3	50·8		
10·0		41·3	4·6		10·
9·2		47·3	32·6		
9·0	48	6·7	37·9		8·8
9·8		7·6	30·5		9·1
10·0		14·3	45·0		9·5
25pr.	+1	19·2	−8·2		

5701—5760.

mag.	12h.–13h. m	s	−20° ′		
9·4	48	36·7	41·1		9·5
9·9		40·9	0·9		9·8
10·0		42·2	41·0		9·6
9·6		50·1	59·7		9·3
10·0	49	25·7	27·2		9·8
10·0	50	43·5	38·0		9·8
9·0		51·5	10·7		9·1
10·0	51	7·5	41·7		9·5
8·0		7·5	11·6	C	8·5
10·0		48·6	0·0		10·
9·6	52	7·5	25·0		9·1
10·0		15·5	41·0		9·8
7·6		17·0	52·2	Gbtlπ	6·8
10·0		26·5	50·4		
8·5		37·0	47·6		9·0
9·0	53	8·5	42·6		9·0
9·4		15·0	37·8		9·4
9·0		22·0	38·7		9·2
7·7	54	17·5	45·0	Cbl	7·8
7·6		34·5	6·2	GCbl	7·2
10·0	55	6·7	58·0		9·6
8·4	56	32·5	32·1	C	8·5
9·4	57	22·5	50·0		9·4
9·6		47·5	56·3		9·2
7·3	58	12·0	50·8	Cbl	7·5
10·0		44·2	22·1		9·8
9·8		50·2	49·3	?	
10·0		53·5	20·3		
9·6	59	39·5	46·0		9·4
10·0		57·2	39·7		
8·3	0	0·5	30·7	C	9·0
8·6		4·5	30·6	C	9·1
9·4		12·0	48·4		9·8
9·2		25·0	7·9		9·5
9·0		27·5	40·6		9·5
8·6		46·5	12·6	a	9·1
8·4	1	4·0	20·1	Ca	9·2
9·8	2	3·0	2·3		
9·4	3	4·2	23·6		9·5
8·6	4	22·7	42·3	Ca	8·6
8·5	5	2·1	0·8	Ca	3·7
9·1		5·2	29·0		9·1
7·9		26·2	13·1	Ca	7·5
10·0		33·2	38·6		9·5
10·0	6	1·7	4·8		
9·6		43·7	36·3		9·7
10·0		53·1	8·0		
9·4		53·2	40·4		9·1
9·0	7	39·8	50·3		9·2
9·1	8	8·3	42·2	C	9·0
9·2		14·0	13·1	a	9·1
8·8		30·9	54·2	b	8·8
10·0	9	6·9	51·0		
8·8		11·9	16·0	Ca	8·7
9·3		36·4	5·5		9·5
8·6	10	36·1	21·8	Ca	9·0
7·8		38·6	52·7	Cal	7·8
8·8	11	0·6	47·9	a	9·1
9·2	12	50·1	34·2	C	9·0
9·4	13	4·6	22·4		9·9
	+1	20·0	−8·1		

5761—5820.

mag.	13h. m	s	−20° ′		
9·6	13	6·6	1·8		9·4
9·3		13·8	1·2		9·4
10·0		26·1	9·2		9·5
7·8		45·1	13·2	Cbl	7·8
10·0	14	49·8	35·0		9·3
9·4	15	9·1	29·1		9·5
9·4		10·8	0·6		9·4
8·8		15·0	59·7	a	9·0
8·4		33·6	12·3	Cbl	8·5
9·6		40·6	3·1		9·7
8·4	16	4·1	45·5	C	8·0
9·8		30·6	53·5		9·3
7·5	17	11·7	16·2	Cal	7·0
9·4		13·2	5·3	a	9·4
9·2		42·7	37·4		9·3
8·8	19	10·2	25·7	a	9·2
9·2	20	15·2	3·6		9·4
9·0		41·9	57·6		9·3
9·3	21	34·3	42·3		9·3
8·8	22	48·7	11·2		9·0
9·6	23	25·7	34·8		9·5
9·0	24	25·7	46·2	a	8·8
9·4		33·2	10·0		9·6
9·8		39·7	11·5		
8·8	25	15·7	18·3	Ca	8·8
9·1		35·7	48·1	a	9·2
9·4		55·7	6·3		9·3
9·6	26	6·7	21·2		9·7
10·0		23·2	45·6		
9·6	27	2·3	10·7		
9·8		23·7	29·4		9·0
10·0		34·0	14·6		9·7
9·8	28	30·7	51·9		9·4
9·2	29	59·7	8·9		9·1
9·6	30	27·3	57·8	a	9·2
9·4		47·7	56·1		9·3
8·5	31	22·7	7·5	Ca	8·8
8·7		58·7	57·0	Ca	8·5
9·1	33	46·2	17·5		9·1
10·0	34	3·7	10·5		9·5
9·1		10·2	6·9	Ca	9·1
9·3	36	36·2	55·9		9·5
8·5		54·2	34·8	Ca	8·5
9·4	37	3·2	53·1		9·3
9·0		13·7	12·9	C	8·9
8·6		36·2	35·5	Ca	8·7
9·4	38	32·3	52·4		9·2
9·6		56·3	11·5		9·4
9·6		56·8	42·3	C	9·2
9·8		59·3	48·7		9·8
9·4	39	19·3	52·6		9·3
9·6		35·8	53·9		9·5
10·0		42·8	2·4		9·3
7·8		55·3	13·7	C	7·8
8·7	40	7·3	2·4	C	9·0
10·0		15·8	11·8		9·8
8·4		17·3	50·4	C	8·8
8·7		24·8	13·8	C	8·9
9·4		43·8	53·2		9·6
9·4	41	17·9	8·3		9·4
	+1	21·5	−7·8		

5821—5880.

mag.	13h.–14h. m	s	−20° ′		
7·6	42	5·4	7·5	CWal	7·0
8·6		12·4	14·5	a	9·0
8·6		18·4	12·3	a	9·1
10·0		35·4	31·6		9·7
10·0		52·0	11·0		9·8
9·0	43	19·9	38·7	C	8·8
8·1		22·4	14·8	GWtlπ	7·2
9·4		29·4	29·3		9·0
8·3	44	2·4	47·0	Ca	8·5
8·0		5·4	21·7	Gatlπ	7·7
10·0		32·2	37·2		
10·0		32·2	36·1		10·
10·0		51·8	57·8		9·8
9·0		59·4	20·2		9·3
9·0	45	49·9	20·2		9·3
10·0	46	36·9	55·4		9·6
9·4		41·9	52·2		9·4
8·1		55·8	36·1	Cbl	8·3
9·4		59·3	2·9		9·4
8·1	47	56·8	53·6	Cal	8·0
10·0	48	4·7	57·5		
9·4		10·3	36·7		9·0
9·6		20·8	44·3		9·5
9·0		30·7	57·0	a	9·0
9·6		36·4	23·5		9·5
9·0	49	53·2	9·6	C	8·8
8·8		55·9	14·3		9·0
9·6	50	10·4	1·5		9·4
9·2		22·9	7·1		9·6
8·4		58·9	59·1	Ca	8·5
8·0	51	4·4	2·1	Ca	8·5
9·5		32·4	5·9		9·7
9·5	52	5·4	54·5		9·1
10·0		41·9	12·9		9·5
9·4	54	20·9	21·8		9·1
10·0		35·9	59·2		9·5
8·9		44·4	23·5		9·1
9·2	55	5·9	31·3		9·0
9·9		29·4	8·3		9·6
8·8		36·1	17·1	a	9·1
9·4		45·4	16·8	a	9·3
9·1	56	16·9	24·7		9·1
9·4		29·4	35·8		9·2
9·1		39·9	11·1	Ca	8·7
9·4		52·4	6·5		9·5
8·0	57	10·4	42·6	Ca	8·1
9·4		32·4	3·8		9·6
8·7	58	8·4	58·9	Ca	8·7
9·9		55·9	36·0		9·5
9·9	59	36·9	38·3		
8·9		45·4	4·4		9·3
9·6		51·9	9·1		9·8
9·2	0	36·4	28·7		9·2
9·6		45·9	53·4		9·2
8·0		55·9	35·7	Ca	8·0
10·0		57·9	43·8		9·8
9·6	1	22·9	0·8		9·3
8·8		42·2	56·9	a	9·0
9·6	2	23·9	32·3		9·5
9·4		37·4	40·1		9·1
	+1	22·6	−7·4		

5881—5940.

mag.	14h. m	s	—20° ′		
8·4	2	40·4	36·1	Cbl	8·3
8·2	3	5·9	38·5	Cal	8·2
9·2		32·4	45·4		9·2
9·6		39·6	58·3		9·4
9·6		45·9	14·5		9·7
9·6		50·4	54·1		9·7
9·6	4	6·9	6·2		10·
9·2	6	3·9	34·8		9·3
10·0	7	15·2	56·4		9·5
8·0		53·9	28·9	Cal	7·2
10·0	8	46·8	7·2		9·8
9·4	9	54·4	17·4		9·3
9·2	10	5·9	44·9	C	8·8
9·2		28·9	44·8		8·9
9·0		40·4	10·7	C }	8·3
9·2		40·9	10·4	}	
10·0		53·9	3·9		9·8
10·0		53·9	10·8		
9·3	11	20·4	5·6		9·4
9·3		27·1	2·4		9·5
10·0		48·7	2·3		
9·8	12	35·4	45·6		9·4
8·0		49·9	17·8	Cal	8·0
9·3	13	16·4	24·7		9·0
9·6		35·4	55·8		9·5
9·0		53·9	45·0		9·5
10·0		57·4	25·1		9·7
8·9	14	50·9	7·1		8·8
9·7	15	12·9	58·9		9·8
7·7		35·4	11·1	Ca	7·1
10·0	16	2·9	4·3		9·8
10·0		20·4	52·3		10·
9·4		31·9	39·6		9·2
10·0		47·4	25·8		9·0
10·0		51·9	42·9		
10·0	17	23·4	2·9		9·5
8·6		58·4	18·3	C	8·0
10·0	18	26·4	31·3		
9·2		35·9	49·9		9·3
10·0		39·4	25·7		
8·4		44·4	51·9	C	7·7
9·6		53·9	33·8		
10·0	19	18·4	31·5		
9·6		24·4	22·2		9·5
8·2		31·4	27·1	C	8·5
9·4		37·4	29·2		9·4
10·0		50·9	37·9		
9·4	20	4·9	33·6		9·5
9·6		18·4	8·8		9·5
10·0		23·4	54·6		9·5
8·4		36·4	14·9	Cb	8·9
8·8		38·4	20·2	Ca	9·1
10·0		39·4	42·7		
9·0		42·4	21·1	Ca	9·2
9·3		50·9	8·3		9·5
9·4	21	15·4	41·9		9·4
7·6		17·4	0·2	Cbl	8·0
9·7		38·7	11·4		9·8
9·3		42·4	44·4		9·6
10·0	22	21·9	57·4		
25pr.	+1	23·8	−6·9		

5941—6000.

mag.	14h. m	s	—20° ′		
9·6	22	36·9	16·9		
10·0		36·9	59·5		
8·8		46·9	24·2	a	9·2
9·6	23	13·4	55·8		9·7
8·9		21·4	56·5	Ca	8·6
9·4		25·4	23·3		9·6
9·6		36·4	47·7		9·8
9·0		48·4	41·7	a	9·4
7·8		50·4	9·7	GCbl	7·3
9·3		57·4	48·0	a	9·2
9·0	24	2·4	9·1	C	9·0
10·0		3·4	42·6		
8·2		59·4	23·5	Cbl	7·9
8·8	25	12·4	1·1		9·4
10·0		17·4	15·1		
8·6		32·4	39·1	Cal	8·7
10·0		42·4	38·5		
9·7		43·4	41·1		9·8
9·4		57·4	44·1		9·5
9·6	26	5·9	51·7		
9·3		40·4	17·1		9·3
8·0		43·6	28·9	Cal	8·3
10·0	27	8·9	54·8		
9·4		9·4	18·8		
9·3		42·6	34·7		9·2
10·0	28	13·4	20·4		
10·0		28·1	1·3		
8·8		31·4	4·4		9·3
9·8		53·4	55·0		9·7
8·8		58·1	22·4		9·1
9·9	30	21·8	33·3		9·8
9·4		26·3	15·1		9·5
9·0	31	3·3	46·3		8·8
9·6		46·5	57·6		9·5
9·0		53·3	23·8		9·1
9·2	33	20·3	18·5	a	9·2
9·8		25·3	8·9		9·4
9·4		49·8	1·4		9·5
9·9	34	5·3	37·6		9·9
9·2		5·3	8·5		9·5
9·4		16·3	20·6		9·8
8·2	35	29·3	39·5	Cbl	8·3
9·2		48·3	14·6	a	9·1
9·0	36	29·3	23·5	a	9·2
9·8	37	10·8	6·4		9·4
9·4		30·3	56·7		9·3
7·1	39	5·8	38·7	Gtlπμ	6·4
9·2		16·3	37·0	C	9·0
9·9		17·3	38·6		9·5
7·6	40	7·3	48·0	Gtlπμ	6·3
9·9		41·3	46·4		9·8
9·8		53·8	20·2	a	9·2
9·9	41	44·3	47·1		9·8
9·0	42	47·8	1·4	Ca	9·0
9·0	43	11·8	9·0	a	8·9
9·0		25·8	15·0	Ca	8·8
9·4		48·8	9·0	a	9·4
9·8	44	1·3	38·3		9·6
9·9		4·8	13·1		9·7
9·9		11·8	6·0		9·4
	+1	24·4	−6·6		

6001—6060.

mag.	14h. m	s	—20° ′		
8·0	44	39·8	6·0	Cb	7·9
8·6	45	4·3	17·9	Ca	8·5
9·8		13·0	56·9		9·5
9·6		31·8	31·7		
9·9	46	45·4	27·8		9·4
9·8	47	38·2	38·6		9·3
9·9		42·6	37·6		
9·2		55·2	50·7	Ca	8·9
10·2		55·5	54·5		
10·2	48	23·5	37·2		9·5
10·0		34·5	30·2		9·4
10·2		36·5	31·6		
9·8		43·7	29·7		9·2
9·9	49	0·7	44·1		9·6
9·6		4·3	53·1		9·4
8·3		31·3	2·4	Ca	8·7
10·2		50·0	58·0		
10·1	50	3·0	10·0	}	9·3
9·8		3·6	10·4	}	
10·2		10·7	31·2		
7·0		11·8	51·3	GWtlπ	6·0
10·2		15·3	17·4		
9·6		18·3	48·3		9·7
9·9		21·3	29·0		
10·1		21·3	15·4		
10·0		30·3	27·6		
9·5	51	26·2	51·5		9·5
10·0		34·9	22·5		
10·2		34·9	25·8		
9·9		39·2	23·1		9·5
9·6		43·3	4·4		9·5
9·2		43·3	21·7	C	9·0
9·9		45·9	25·5		
10·2		54·3	22·9		
10·0	52	3·0	52·8		9·8
10·0		3·0	34·0		
10·2		16·0	40·2		
9·6		22·5	18·6		9·8
9·8		36·0	38·8		
9·4		36·7	21·6		9·2
8·0		38·2	40·6	Cbl	8·5
9·6		43·3	26·0		9·5
9·9		43·3	23·4		
10·1	53	30·9	1·8		
10·1		32·3	44·2		
10·2		35·3	4·4		
9·5		51·0	50·3		9·3
8·6	54	22·0	36·5	Ca	8·5
8·7		33·9	44·3	Ca	8·6
9·6		34·3	14·6		9·7
9·8		40·1	28·5		
10·1		45·9	18·9		
10·2	55	13·9	45·3		
10·1		29·6	21·7		
8·9		39·1	55·9	a	9·2
9·2		43·9	54·9	a	8·9
9·4		55·8	54·9		9·7
10·0	56	2·6	42·1		
10·2		46·6	34·9		
10·1	57	10·3	7·2		
	+1	25·3	−6·1		

6061—6120.

mag.	14h.–15h. m	s	—20° ′		
10·0	57	23·5	58·9		
10·2	58	0·3	44·8		
9·6		11·1	27·2		9·3
10·2		30·4	30·8		9·7
9·8		41·8	56·6		
10·0		49·4	6·5		9·5
9·6		53·6	49·9		
9·8	59	5·1	29·2		
10·2		49·8	47·9		
10·1		57·1	26·3		
10·0	0	4·4	11·6		
9·9		15·6	19·5		
8·4		15·7	13·0	Ckbl	8·3
10·2		17·1	34·3		
9·6		20·1	14·4		9·4
9·4		29·0	53·7		9·2
9·8		29·9	6·0		9·7
10·2		32·9	9·8		
9·5		51·0	22·1		9·5
8·2	1	37·8	12·7	Ck	8·0
10·1		46·1	30·3		
10·2		46·9	11·2		
10·2	2	37·6	19·4		10·
10·2		39·1	48·0		
7·4		40·1	2·5	Cbl	7·3
10·2		44·2	46·9		
9·6		49·6	44·9		9·7
10·2		51·1	5·1		
9·1	3	4·9	5·2		9·2
9·6		5·2	43·4		
9·8		14·9	41·8		
10·1	4	0·1	30·9		
10·2		11·6	4·6		
9·2		20·5	12·7	a	9·3
8·6		21·4	50·1	Ca	8·7
10·0		39·6	39·0		9·5
10·2		45·1	17·0		
9·6		45·6	11·0		9·6
9·9		50·9	37·5		
9·0		50·9	39·1		9·0
9·6		51·4	45·7		9·7
9·6		55·6	16·5	a	9·3
9·4	5	11·4	4·3		9·3
10·2		24·4	19·2		
8·9		25·1	28·2	Cka	8·9
10·2		50·1	16·0		
9·9	6	0·9	4·9		9·7
9·9		8·2	25·9		9·5
10·0		21·2	28·0		9·9
9·8		21·2	34·3		9·8
10·2		21·6	19·2		
10·2		32·0	30·2		
10·2		57·2	0·8		
9·6	7	4·7	48·2		9·5
10·1		11·0	39·3		9·6
9·0		16·1	14·2		9·0
10·2		26·8	4·5		9·8
10·2		30·2	12·8		
10·2		34·2	11·8		
9·8		52·9	22·4		9·5
	+1	25·7	−5·8		

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6121—6180.

mag.	15^h m	s	—20° ′		mag.
10·0	8	24·2	17·1		9·5
9·8		26·9	35·9		9·4
9·5		32·6	7·4		9·2
8·2		35·4	28·4	CWal	8·5
10·1	9	3·9	15·7		9·7
9·5		51·9	8·7	a	9·1
10·0		59·9	55·0		9·4
9·5	10	14·4	22·3	a	9·0
9·8		33·9	17·9		9·2
8·2		39·9	15·4	CWal	8·0
9·8	11	2·9	22·5		9·5
8·2		9·1	24·0	CWal	8·2
8·6		12·1	36·0		9·1
10·2		26·6	29·8	a	9·2
8·6		32·1	38·7	CWkal	8·2
9·2		34·1	4·5	a	9·2
10·2	12	2·1	33·0		9·5
10·2		6·6	34·4		
7·9		37·6	24·6	CWal	8·1
9·6	13	17·1	3·7		9·7
9·4		51·1	18·6		9·4
10·1		54·6	54·5		9·5
9·4		54·6	0·0	G	9·3
9·6	14	1·6	2·9		9·5
9·6		26·1	10·9	a	9·3
9·8		28·6	12·8		9·5
9·8		42·6	31·3		9·6
10·2	15	3·3	59·8		
8·6		11·6	43·8	a	8·7
9·2		17·1	16·5	a	9·1
10·1		21·1	37·4	a	9·4
9·2		22·1	15·7	a	9·1
9·5		32·0	1·0		9·5
9·6	16	22·1	6·2		9·4
9·0		58·1	23·7	Ca	8·6
9·2	17	2·6	17·1		9·0
9·6		26·1	35·2		9·5
10·2		32·6	34·2		9·9
10·1		52·1	17·8		9·5
10·2	18	32·6	9·6		9·5
7·6		51·6	56·3	GWtlπ	7·0
10·2		54·4	27·9		
10·2		55·4	3·5		9·3
9·5	19	1·1	26·5		9·7
9·5		1·6	46·3		9·5
8·8		22·6	3·4	Ca	8·7
9·8		32·1	46·1		9·3
8·3		53·1	17·9	Cal	8·3
9·8		54·1	32·4		9·6
7·4	21	4·1	46·2	Gatlπ	7·7
9·4		4·2	56·5	a	9·2
10·2		30·6	52·8		
9·4		51·6	5·2		9·4
9·4	22	7·9	58·4	a	9·2
10·0		26·1	48·8		
10·1		33·6	32·8		
10·2		38·6	12·6		10·
9·0	23	8·6	10·8	a	9·0
10·2		9·6	51·1		
9·4		13·1	49·1		9·3
25pr.	+1	26·2	— 5·5		

6181—6240.

mag.	15^h m	s	—20° ′		mag.
6·5	23	23·1	17·6	Gal	6·7
9·0		35·1	36·4		9·1
10·2	24	35·1	14·1		9·7
8·2		43·1	12·0	Cal	8·5
9·6		44·6	48·9		9·4
9·6		46·6	58·3		9·5
10·1	25	16·2	59·3		
10·2		23·1	45·9		9·7
9·1		26·1	26·1	C	9·0
9·8		26·1	49·9		9·7
9·8		39·6	12·3	a	9·3
9·4		51·6	13·5	a	9·4
9·4	26	1·1	14·1		9·8
9·4		17·6	28·1		9·4
10·1		21·7	38·2		
8·2		29·1	7·5	Cal	8·5
10·1		41·1	21·0		9·8
7·5		54·1	53·4	C–	7·9
9·6	27	43·6	38·1		9·0
8·0		56·6	35·2	Cb–l	8·4
10·1	28	20·7	50·1		9·6
10·0		22·6	55·3		9·9
9·8		33·8	51·1		9·9
10·2		41·6	55·2		9·9
9·8		51·6	17·4		9·0
8·7		55·1	1·3		9·0
10·0	29	21·6	10·0		9·2
9·2		55·0	51·1		8·8
10·0	30	26·2	58·7		9·4
9·3		56·0	57·2	C	8·8
6·9	31	1·0	36·1	G	5·8
10·0		13·0	5·5		9·5
9·7		25·0	22·6		9·3
8·5		44·5	51·9		8·9
8·2		46·0	10·3	a	8·7
8·6		57·5	49·0		9·2
8·2	32	25·0	36·4	Cal	8·2
9·5	33	8·0	33·5	Ca	9·1
10·0		19·0	4·3		9·5
8·6		28·0	46·9	a	9·1
9·2		46·7	0·4		9·3
9·3	34	45·5	6·7		9·3
10·0		53·0	10·9		9·3
8·8		56·5	54·3	a	9·1
9·5	36	2·0	19·5		9·1
8·2		3·5	42·9	Ca	8·4
10·0		27·5	34·5		9·5
10·0	37	38·0	47·2		
9·2	38	53·5	6·9		9·1
10·0		53·6	0·6		9·3
10·0	39	37·0	56·7		9·1
7·6	40	6·0	4·5	CKb–l	7·6
8·2		14·0	50·5	CWb–l	7·8
9·2		35·0	11·0		9·0
9·3		55·5	32·7		9·6
8·6	41	7·5	0·4	Cb–	8·5
8·7		28·5	49·8	Ca	8·4
8·4		40·0	3·7	Cb	7·7
10·0	42	20·0	2·1		9·3
8·2		20·0	4·8		8·5
	+1	26·7	— 5·1		

6241—6300.

mag.	15^h–16^h m	s	—20° ′		mag.
7·5	42	23·5	23·4	Cb	7·5
7·6	43	13·5	27·8	Cal	8·1
9·4		16·5	20·0		9·1
10·0		41·0	25·4		9·5
8·7		51·0	35·8	a	9·0
7·5	44	13·6	12·4	Cbl	7·3
9·3		17·1	32·2	a	8·8
10·0	45	9·1	30·3		
10·0		43·6	42·2		9·6
9·4		55·6	34·5		9·7
10·0	46	7·1	3·3		9·6
10·0		49·6	9·0		9·7
10·2	47	18·7	24·3		9·4
8·9		31·9	26·9	Ca	8·3
8·4		46·2	25·3	Ca	8·9
10·2		55·9	18·9		9·4
9·4	48	28·9	34·5	C	8·8
9·8		37·3	15·7		9·2
10·2		53·1	8·1		9·4
8·5	49	4·7	24·3	Cal	8·2
8·6		21·4	3·9	Ca	8·3
6·1	50	23·2	37·1	GWacl	6·5
7·2	51	12·7	31·9	CWal	7·5
8·1		42·2	39·3	Cal	8·5
9·4	52	26·7	36·6	a	9·1
9·4		42·2	26·3	a	9·5
9·2		42·7	3·4		9·0
9·4		43·6	20·7		9·3
10·2	53	12·6	14·9		9·5
8·7		17·6	5·7		8·9
7·8		46·6	48·0	Cal	7·5
10·2	54	23·1	34·5		9·6
8·8		46·6	24·2	Ca	9·0
10·2	55	12·6	9·0	a	9·2
9·6		42·6	37·4		9·4
10·0		45·6	7·3	a	9·4
9·6	57	35·4	33·2		9·0
8·0		36·6	33·2	Gb–tπ	8·2
9·0	58	8·1	9·0		9·1
8·9		9·1	13·6		9·0
10·2		16·6	38·7		9·5
9·6		20·6	12·2		9·1
7·9		20·6	5·8	Cb–	7·7
8·5		34·6	8·4		8·9
8·6		35·1	48·6	Ca	8·5
9·0	59	9·1	54·2		9·1
3·7		29·1	19·6	Glπμβ	4·7
9·6		30·6	48·7		9·5
9·6		38·7	57·4		9·1
5·4	0	5·1	31·7	GSπμβ	5·0
8·4		6·6	36·2	CWbl	8·5
10·2		23·6	38·2		9·5
10·2		47·6	25·8	a	9·2
9·0		53·1	28·9	a	9·0
8·0	1	16·6	25·2	Cal	8·5
10·2		18·5	1·8		9·5
10·2		50·4	18·6		
9·6	2	3·6	35·5		9·5
8·9		16·6	16·9	Cal	8·3
9·6		17·1	30·0		9·4
	+1	27·5	— 4·4		

6301—6360.

mag.	16^h m	s	—20° ′		mag.
9·8	3	20·1	22·3	a	9·1
9·4		39·1	4·2	Cka	8·9
9·4		41·1	57·8		9·3
9·4	4	31·1	44·2	Cb	8·7
8·7		35·1	46·6	Cb	9·0
10·2	5	21·6	42·3		9·4
9·2		23·6	52·3		9·0
9·4	6	5·6	51·9		9·3
6·6	7	7·9	47·2	GWkal	6·8
10·0		25·3	55·2		9·5
10·2	9	3·5	58·7		9·5
10·0		18·4	41·7		9·8
9·0		33·2	28·1	a	9·2
6·4		37·0	59·5	GCWka	6·8
10·0	10	27·0	53·2	K	9·6
9·4	11	13·9	58·0		9·3
7·8	12	35·4	28·7	Ca	8·0
9·3	13	21·9	38·9		9·1
10·0		37·7	38·8		9·5
9·2		52·9	23·2		9·5
9·3		55·9	57·9		9·4
10·0	14	32·9	13·3		10·
9·6	15	5·4	44·6		9·4
9·6		12·9	44·0		9·8
9·3		22·4	13·4		9·5
9·6		22·9	18·4		9·9
9·2		48·5	59·3	a	8·8
9·4	16	13·9	6·8		9·1
9·6		22·9	9·8		9·8
9·4		56·9	59·4		9·5
9·4	18	3·6	1·6		9·1
9·8		12·4	11·2		9·8
10·0		46·7	9·8		9·8
9·3	20	29·4	38·0		9·1
9·4	21	31·4	31·3		9·1
10·0		53·4	29·2		9·5
9·8		55·9	52·5		9·2
10·0	23	4·9	4·6		9·5
10·0		9·7	31·4		10·
9·3		30·4	32·9	Ca	8·9
9·8	24	21·9	17·5		9·5
10·0		24·9	45·5		9·7
10·0		56·4	35·6		
9·0		59·4	30·8	Wa	9·0
8·6	25	3·9	29·0	CWal	8·5
9·4		20·3	43·1		9·3
8·8		34·8	3·6		9·0
10·0		55·0	24·9		
9·2	26	22·8	16·3		9·3
9·4		24·8	14·2		9·6
9·4		33·8	41·6		9·5
10·0		51·3	30·6		9·6
10·0	27	34·8	46·2		9·5
10·0		36·3	37·7		9·4
9·0		51·1	3·4	K	9·1
10·0	28	24·9	12·2		9·4
9·6		38·6	32·5		9·4
9·2		46·3	27·2		9·1
9·6		52·7	0·2		9·6
8·7		53·1	50·5	a	9·1
	+1	28·0	— 3·6		

6361—6420.

mag.	16h. m	s	—20° ′		
9·9	29	12·9	10·3		9·5
9·4		18·8	2·1		9·2
8·5		21·9	17·3	a	9·0
9·8		55·9	7·1		9·2
9·4	30	2·1	15·8	a	9·0
9·9		29·9	38·9		9·3
9·9	31	12·9	29·0		9·3
9·8	33	8·4	9·2		8·8
7·5		12·4	9·8	GW1πμ	6·5
9·8	34	11·7	29·5		9·3
9·6		22·9	58·0		9·1
9·8		54·7	14·0		9·2
9·0	36	12·2	24·3		9·2
7·9		14·7	27·4	CWal	7·5
9·4		31·2	35·8		9·3
9·8		42·7	31·3		9·6
9·9	37	21·7	13·7		9·5
9·9		50·7	26·2		10·
9·8	38	21·7	15·2		9·8
8·8	40	38·7	22·5		9·2
9·4		42·7	23·4		9·4
8·1		47·7	43·1	Cal	8·4
9·2		54·9	56·5		9·2
9·9	41	21·2	12·2		
8·8		38·7	14·0	Ca	8·7
9·8		41·2	32·1		9·5
9·6	42	28·7	25·2		9·8
9·8		50·2	25·7		9·4
9·9	43	3·7	56·4		
9·9		5·0	0·4		9·4
9·6		34·2	9·2		9·5
8·3		43·7	24·6	Ck ≥	8·0
8·6	44	32·2	40·8	Ck	8·5
9·9		36·4	34·8		
6·9	46	2·7	12·3	GW1πμ	6·6
9·2		23·7	55·0		9·4
9·9		39·7	23·4		9·5
9·9		50·3	12·8		9·4
9·9		57·7	50·6		10·
9·4	47	9·7	47·0		9·4
9·0		23·5	25·4		9·4
8·3		27·0	35·3	Ca	8·6
9·0		33·7	52·6		8·8
9·0		36·2	41·8		9·2
9·9		38·6	43·9		
9·9		55·6	29·8		9·5
9·8	48	19·6	52·8		9·8
9·9		22·6	19·9		
9·2		23·1	38·4		9·4
9·0	50	20·4	25·8		9·1
9·6		32·3	36·0		9·5
9·6		35·8	52·7		9·5
8·2	51	3·3	35·4	Ck =	8·5
9·6	52	33·3	54·7	a	9·0
10·2		37·3	44·3		
10·2		38·8	56·7		
8·0	53	10·8	23·6	Ca	8·5
9·6		23·3	24·0		9·5
10·2		33·3	15·0		9·5
9·2		39·8	8·7		9·1
251 r.	+1	28·6	−2·8		

6421—6480.

mag.	16h.–17h. m	s	—20° ′		
9·4	53	47·8	45·4		9·5
7·3		51·3	14·9	Wal	7·0
10·0		59·0	35·0		
9·5		59·7	50·5		9·0
9·0	54	5·7	45·2	a	9·1
9·8		6·2	19·2		9·4
9·1		22·7	41·0		9·0
8·7		36·2	15·8	a	9·1
10·2		37·2	19·6		9·5
8·0		37·7	24·6	CWal	7·8
9·0	55	25·7	15·4	a	8·9
9·0		26·2	58·4		9·5
10·2		39·7	6·6		
10·2	56	14·7	16·2		
10·2		16·2	41·0		10·
8·2		23·2	12·6	al	8·5
10·0		25·2	7·6		9·5
9·2		31·7	42·4		9·3
7·7		33·7	17·6	al	8·2
8·0		50·2	51·9	Ca	8·5
9·4		51·2	38·6		9·7
9·6	57	10·2	46·8		9·7
6·0		21·7	18·8	GW1πμ	6·5
10·2		30·2	52·8		
8·8		36·7	38·9	a	9·0
10·2		42·0	59·3		
9·8		45·1	59·0		9·5
10·2		52·7	4·2		
8·4		52·7	1·1	Cb	8·5
10·2	58	5·7	45·2		
9·2		6·2	34·0		9·4
9·5		10·7	50·0		9·3
10·2		22·7	48·7		
9·4		44·7	25·6		9·5
9·8		46·0	5·3		9·5
9·0	59	9·7	32·3		9·3
10·2		14·2	34·7		
9·2		36·7	15·4		9·1
10·2		42·7	4·7		9·8
9·4		47·2	46·6		9·4
9·6		49·7	52·8		9·5
9·4	0	5·7	4·0		9·5
9·4		11·7	30·2		9·5
9·6		38·7	15·1		9·5
10·2		41·6	13·0		9·5
9·6	1	7·1	44·3		
7·7		9·1	3·2	al	7·8
9·4		18·6	27·6		9·5
10·2		41·6	21·0		
10·2		43·6	50·0		
9·4		43·6	18·2		9·3
9·1		45·6	35·7		9·3
9·2		59·6	17·6		9·4
8·2	2	3·1	36·6	Cb–l	8·5
9·0		20·6	13·0		9·0
10·2		32·1	5·3		
8·2		32·6	31·0	CWbl	7·3
8·7		41·6	37·4	–	8·5
10·2	3	4·1	8·4		9·5
10·2		32·9	0·7		
	+1	28·9	−2·2		

6481—6540.

mag.	17h. m	s	—20° ′		
7·4	3	39·1	29·4	GWtlπ	7·3
8·2		40·1	39·8	Cb–l	7·8
7·4		57·6	16·0	Gbl	7·5
10·2	4	26·1	15·3		
9·8		46·6	28·0		9·5
9·6		53·1	37·1		
8·8		53·6	50·2		9·1
9·6	5	0·6	32·1		9·5
9·0		2·1	59·3		9·2
10·2		15·6	30·0	:	9·5
10·2		33·1	14·0		
9·4		40·1	7·3		9·2
10·2		46·6	48·5		9·7
10·0		51·6	49·4		9·7
8·4		54·6	26·1	a	8·5
10·2	6	8·6	1·1		9·5
10·2		16·1	48·1		10·
10·0		34·4	18·4		10·
10·2	7	7·4	47·9		9·7
10·2		10·4	2·9		
9·2		13·4	11·9		9·4
8·2		26·9	49·2	GWtlπ	7·8
8·6		27·9	57·2		9·2
10·0		32·6	59·8		9·5
8·5		53·4	7·7	b	9·0
8·5		54·6	9·0	b	8·9
10·2	8	5·0	32·6		9·8
9·8		7·4	34·9		9·6
9·6		8·4	3·7		
9·6		25·9	37·9		9·3
9·8		37·1	22·7		9·6
9·5		40·1	53·3		9·4
9·6	9	2·6	3·4		9·5
10·2		12·9	9·6		
10·2		17·4	39·9		10·
9·4		26·4	27·7		9·1
10·2		35·4	52·1		9·8
10·2		46·9	28·9		
8·8		59·2	47·3		9·0
8·4	10	28·6	19·5	a	9·0
9·3		32·1	2·3		9·6
9·7		35·1	47·5		9·5
9·7		46·1	52·3		9·2
8·6	11	5·6	40·1	K	8·7
9·7		18·1	30·7		9·3
9·8		19·6	39·7		
9·5		21·1	22·5		9·2
8·8		22·6	13·7	a	9·0
8·4		23·1	30·3	Cal	8·7
8·1		27·1	21·8	Cal	8·5
8·1		37·1	26·0	Ca	9·0
9·8		46·1	9·5		9·3
9·8		50·6	27·9		9·3
9·0		52·4	6·1		8·9
9·0		53·6	56·5		9·1
9·7	12	32·9	26·1		9·8
4·9	13	31·1	58·7	GWπμβ	5·0
8·8		31·4	13·8		9·0
8·8		39·4	20·3	Ca	9·0
8·1		41·9	21·3	a	9·0
	+1	29·0	−1·8		

6541—6600.

mag.	17h. m	s	—20° ′		
9·6	13	42·4	45·0		9·5
9·0	14	3·4	10·1		9·5
8·7		5·9	49·3		9·2
8·0		15·9	6·7	C–	8·5
8·0		25·9	26·5	Cal	7·3
9·0		26·4	17·4		9·4
9·8		29·4	43·7		9·1
8·4		37·9	36·9	a	8·5
9·7		49·9	44·3		9·3
8·7	15	10·9	41·7	Ca	8·5
8·2		17·4	6·1	Cb–l	8·3
9·4		21·9	16·3		9·5
8·2		32·9	5·5	Cb l	8·1
9·2		52·9	6·5		9·2
9·7	16	0·4	33·1		
9·8		22·4	35·3		9·7
9·4		25·4	11·3		9·7
8·9		38·4	4·8		9·1
9·8		42·2	58·7		9·8
9·2	17	16·9	19·1	Ca	8·8
9·5		21·4	23·8		9·7
9·0		37·4	14·7		9·3
8·6		58·9	44·0		8·8
8·6	18	5·9	12·2		9·0
8·1		24·4	39·9	CW	8·8
9·3	19	22·4	37·6		8·9
8·3		49·4	12·2	a	8·5
9·2		49·9	21·2		9·4
8·4		56·4	24·3	C≡	8·0
7·8	20	49·4	51·4	CWal	7·8
8·7		58·4	15·3	a	8·5
9·6	21	36·2	39·0		9·4
8·8	23	59·9	47·0		8·8
9·0	24	33·9	6·5	Ca	8·5
8·6		40·4	29·1	Ca	8·5
8·3	25	58·9	41·2	Cal	8·1
9·8	26	2·9	17·1		9·1
9·8		9·4	40·9		9·5
9·3		19·9	25·5		9·2
9·8		27·6	3·9		9·0
9·0		59·1	1·0		8·9
9·4	27	4·4	20·5		9·5
9·7		12·3	58·6		9·5
9·3		12·9	41·7		9·8
8·8		14·4	12·0	C=	8·9
9·2		15·8	58·0		9·5
9·3		51·3	33·9		9·3
9·2		54·6	34·2		9·5
9·8		58·4	15·2		
9·7	28	7·1	46·6		9·4
8·8		7·6	54·9		9·0
9·9		10·9	12·6		9·5
8·1		12·1	43·5	Ca	8·7
9·9		20·3	22·9		
9·2		29·3	11·2	a	8·9
9·9		31·2	15·2		
9·9		38·8	20·2		
8·9		42·8	17·2	a	8·5
9·2		55·0	53·8	Cb=l	8·5
9·9	29	2·8	37·3		9·8
	+1	29·1	−1·4		

6601—6660.

mag.	17h. m s	—20° ′		
9·9	29 9·5	48·5		9·3
7·9	18·8	52·5	Cb 1	7·9
9·4	36·8	37·8		9·2
9·8	37·0	35·5		9·3
9·7	58·3	1·1		9·4
9·9	30 0·0	3·6		9·7
9·9	1·5	10·0		
8·4	3·5	36·5	CWb=l	8·2
9·9	8·0	10·1		9·3
9·0	11·6	57·7		9·0
8·4	24·0	35·2	W	8·8
9·9	31·0	47·1		9·8
9·4	43·0	28·8		9·0
9·4	31 7·0	12·9		
8·6	18·0	53·1		9·0
8·8	22·0	39·8	a	9·0
9·2	50·5	47·3		9·5
8·4	51·0	38·1	a	8·8
9·9	32 0·5	32·3		
9·8	12·5	35·0		9·2
9·4	55·5	42·2		9·4
9·4	59·0	41·0		9·2
9·8	33 0·5	41·5		
9·8	8·5	5·8		9·2
9·9	10·0	35·6		
8·2	23·0	47·7	Ca	8·2
9·9	35·5	44·9		
9·9	56·5	24·1		
9·4	34 4·0	8·1		9·5
7·9	35 7·0	2·4	Cb=l	7·9
9·6	27·5	58·2		9·8
9·2	34·5	41·7		9·1
9·9	51·0	53·3		
9·7	36 2·0	31·2		9·2
9·2	32·0	19·7		9·4
9·9	37 25·5	27·5		9·3
9·6	33·0	43·1		9·4
8·9	38 15·5	8·8	Ca	8·2
9·6	18·5	1·8		9·5
9·4	39 32·8	13·0		9·1
9·2	32·8	39·0	b	9·0
9·9	51·3	27·5		9·5
9·8	40 1·8	27·2		9·3
7·3	3·8	47·1	Wal	7·0
9·0	31·8	14·6		9·1
8·8	41 59·8	47·1	Cb	8·1
9·9	42 56·8	18·4		
9·0	43 33·8	13·5		9·0
9·0	44·3	55·5	=	8·8
9·9	46·3	36·3		9·1
9·8	44 25·8	43·1		9·5
8·5	29·3	23·9	C–	8·5
9·0	33·8	9·3		8·8
9·9	35·3	34·2		9·0
7·5	44·3	2·6	Cb=l	7·5
9·2	51·3	34·3		9·2
9·9	45 3·8	31·2		9·5
9·9	17·3	13·7		
8·6	35·8	49·0	Ca	8·5
9·9	46·8	13·1		
25pr.	+1 29·3	−0·9		

6661—6720.

mag.	17h. m s	—20° ′		
9·4	45 59·3	27·9		9·4
9·9	46 11·8	25·0		
8·8	47 12·6	59·7	CWa	8·1
10·5	17·4	7·3		
10·0	25·4	58·0	}	9·3
9·9	26·6	57·9	}	
9·0	35·6	22·6	Ca	8·7
10·0	41·6	33·4		9·9
10·5	44·1	7·0		
10·4	52·9	15·6		9·5
9·8	48 12·6	42·4		9·5
10·3	17·3	19·8		
10·1	49 2·9	47·8		9·3
10·0	3·8	11·1		9·3
10·0	5·2	22·9		9·4
9·9	13·4	24·8		9·5
10·4	22·4	50·3		9·0
10·1	33·4	10·8		
9·7	47·8	10·6	C	8·8
10·0	57·1	50·4		
10·2	50 8·4	21·7		9·5
8·5	10·9	36·4	C=	8·5
10·1	24·7	26·7		9·4
9·9	27·7	4·1		9·4
9·0	37·2	34·3		8·9
10·5	51·2	5·9		
9·4	51 1·7	15·4		9·0
10·1	16·2	29·8		9·3
10·5	28·2	51·6	}	9·3
10·2	28·2	51·8	}	
10·2	30·2	50·7		9·3
8·2	37·7	2·9	Cal	8·0
9·8	47·2	41·4		9·5
9·9	55·2	23·2		
10·3	52 13·7	3·9		9·6
10·2	28·7	21·9		
9·4	31·2	26·4		9·4
7·6	33·7	19·5	GWlπμ	6·5
10·5	35·2	41·6		9·6
10·1	37·2	11·6		
10·2	46·2	37·6		
10·0	47·2	0·1		
9·9	47·7	44·1		9·5
9·9	53·2	43·6		9·7
10·3	56·2	33·6		
8·4	53 29·7	58·7	C=	8·0
8·8	37·2	47·6	C	8·2
9·6	41·2	30·6	=	8·8
9·6	54 7·2	39·2		9·0
10·0	34·7	33·1		9·8
10·1	57·2	28·7		9·5
10·1	55 3·2	56·1		9·7
10·3	7·2	39·6		9·5
6·5	10·2	43·9	GWtlπ	6·5
10·5	17·7	27·6		
10·3	29·1	18·2		
10·1	30·2	42·0		9·5
10·0	36·1	42·5		9·5
9·7	38·6	22·0		9·4
9·4	42·6	25·9	}	9·0
	+1 29·3	−0·3		

6721—6780.

mag.	17h.–18h. m s	—20° ′		
9·6	55 43·6	25·9	}	
10·4	43·6	56·1		
10·5	44·1	48·2		
9·3	46·1	56·3	–	9·1
10·5	47·6	50·0		
10·5	56 2·1	36·7		
10·2	3·1	54·9		9·5
9·6	4·1	28·0		9·4
9·4	10·6	49·9		9·0
9·9	18·6	48·8		10·
10·1	21·1	25·5		9·5
10·5	30·1	59·1		9·8
9·4	38·1	54·5		9·1
9·0	39·6	45·8		9·3
10·4	43·9	46·1		
9·7	47·1	28·0		9·0
9·1	49·1	39·4		9·1
10·2	52·1	8·4		9·1
10·0	56·6	36·5		
10·1	57 5·1	17·6		
10·3	7·1	38·7		
9·1	7·6	37·0		9·0
8·9	8·1	59·0		9·1
10·4	10·6	47·8		9·5
10·5	12·6	1·1		
9·6	13·1	9·4		9·4
9·1	14·8	56·9	a	9·0
8·4	22·6	49·4	Ca	8·3
10·4	26·1	18·0		
10·4	27·1	25·8		
10·0	35·5	32·1		9·5
10·2	52·0	12·2		
9·6	53·0	3·2		9·3
10·1	58 6·0	12·4		
10·3	8·8	54·8		
9·9	13·0	42·2		9·7
10·5	17·0	27·7		
9·3	33·0	33·8		9·1
9·4	37·0	57·5		8·9
9·8	37·5	29·1		
10·0	47·0	37·4		9·3
9·9	50·5	12·1		9·8
9·0	59 3·0	22·5	–	9·0
8·7	6·0	27·8	Ca	8·9
10·5	6·5	11·4		
10·1	12·5	8·0		9·3
10·0	24·5	24·6		
9·6	26·5	21·5		9·4
9·4	28·5	56·3		9·3
9·8	36·0	21·0		
10·1	50·0	23·2		9·5
9·6	54·0	42·4		9·6
9·6	56·5	33·6		9·5
9·7	57·0	38·9		9·3
9·1	0 0·0	21·9	a	9·1
9·2	7·0	26·0	a	9·1
10·2	9·5	6·9		
10·1	9·5	49·5		9·8
10·5	10·5	46·3		9·5
10·0	12·0	24·1		
	+1 29·3	−0·1		

6781—6840.

mag.	18h. m s	—20° ′		
10·5	0 13·0	10·4		
9·6	13·5	28·2		9·5
10·5	13·5	18·5		
10·4	18·9	22·1		
10·5	25·9	28·6		
9·8	31·9	43·6		9·7
9·9	31·9	30·9		
10·1	35·9	21·5		
10·1	38·4	42·1		
10·1	48·9	9·0		9·5
9·7	50·4	51·4	–	9·3
10·0	53·9	35·6		
8·8	1 15·9	6·1	Ca	7·8
10·5	16·9	37·9		
9·7	17·9	46·2		10·
10·1	22·9	37·9		
8·6	23·9	56·1	Ca	8·7
10·0	26·9	44·7		
10·5	27·4	50·3		
9·6	31·4	38·6	a	9·0
9·6	33·6	2·1		9·1
9·0	38·9	57·3	a	9·2
9·6	38·9	23·8		
9·6	45·9	16·0		
9·9	45·9	28·9		
9·8	51·9	12·4		9·5
10·0	51·9	14·1		
10·5	52·7	1·8		
8·6	59·5	3·1	Ca	8·3
10·0	2 1·4	36·8		9·8
10·3	2·4	44·6		
10·5	2·4	54·8		
10·0	5·9	50·0		
9·9	9·9	55·9		
9·6	12·9	50·8		9·3
10·5	19·9	7·6		
9·8	22·4	4·1		9·4
10·2	33·8	14·7		
10·3	35·8	34·8		
10·0	45·8	28·9	–	9·2
10·5	51·8	51·9		
9·6	55·8	10·3		
9·3	58·8	55·2	a	9·5
10·5	3 3·0	37·0		
10·1	8·3	22·5		
9·9	9·8	3·9		10·
10·1	12·8	24·6		
10·1	14·3	58·9		
10·4	15·3	22·1		9·5
10·1	15·8	21·1		
10·5	29·8	14·1		
10·5	34·8	52·9		
8·6	38·3	54·4	Ca	9·0
10·5	41·8	42·1		
9·4	52·8	11·9		9·2
9·7	54·3	44·4		
10·1	55·3	33·1		
8·4	56·8	44·0	Ca	8·5
10·4	4 1·8	54·8		
9·7	4·8	53·7		10·
	+1 29·3	+0·1		

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6841—6900.

mag.	18h. m	s	—20° ′		
10·3	4	9·8	33·4		
10·1		10·8	6·0		10·
10·5		13·3	7·5		
10·5		15·0	45·4		
9·8		15·8	43·1		
9·6		15·8	29·4		9·5
9·9		16·8	38·4		
10·5		22·8	7·8		
9·4		22·8	23·7	Wa	
8·8		23·3	35·9	a	9·0
9·2		27·3	21·4		9·3
7·0		31·8	26·8	CWal	7·5
9·6		32·7	11·7		9·3
9·3		45·7	43·0		9·7
10·5		50·7	2·7		
10·4		50·7	32·5		
10·3		53·7	33·3		
10·5		53·7	46·8		
9·6		56·7	50·6		10·
10·5		57·7	47·7		
9·4		59·7	28·4		
10·0	5	3·7	40·7		
10·5		3·7	47·7		
10·5		4·3	59·9		
10·5		5·5	12·0		
10·5		11·7	23·7		
8·9		13·7	28·8	a	9·0
9·8		15·7	44·5		
9·4		16·7	55·0		
9·3		21·2	25·5		9·8
10·5		21·5	2·9		
9·7		22·2	10·1		9·4
8·7		25·2	34·4	Ca	9·0
10·2		30·7	22·6		
9·7		34·7	42·8		9·3
9·8		39·2	26·1		9·6
8·8		44·2	26·2	C–	9·2
9·1		44·7	27·6		9·4
9·6		50·7	33·0		
9·9		55·7	48·2		
10·5		56·7	54·8		
10·4	6	14·7	21·1		
10·1		15·2	30·8		9·5
9·9		16·7	7·3		9·5
9·4		22·7	31·3		10·
10·4		31·8	1·7		
10·0		32·2	54·2		
10·5		35·4	14·7		
9·1		37·1	20·0		9·4
8·8		37·6	41·0	a	9·1
10·1		37·6	53·0		
10·5		45·6	27·6		
9·3		49·1	19·0		
10·5		51·1	38·4		
10·0		52·6	19·0		
10·1		56·6	18·3		
10·5		57·1	21·4		
10·1	7	0·5	3·0		
9·9		2·6	22·7		
10·0		4·1	51·8		
25pr.	+1	29·3	+0·2		

6901—6960.

mag.	18h. m	s	—20° ′		
8·8	7	4·6	55·1	a	9·4
8·8		4·6	30·3		9·4
10·5		5·6	40·9		
9·2		5·6	19·9		9·5
10·0		10·1	18·7	?	
10·2		10·6	25·9		
9·1		11·6	18·1		9·3
10·0		12·1	4·1		9·5
9·8		12·6	30·1		
9·9		17·6	45·8		9·4
10·5		23·6	3·1		
9·1		25·1	24·7		9·4
8·4		34·0	54·4	Caml	8·7
10·3		38·6	27·7		
9·4		40·4	31·9		9·5
9·0		40·6	48·4		9·6
10·5		42·6	11·1		
5·2		45·4	45·9	GWπμβ	5·8
5·8		46·6	25·4	Glπμβ	6·5
10·4		48·2	58·1		
10·4		55·6	1·1		
10·5		56·1	59·6		
10·4		57·8	2·4		
10·5		58·6	41·3		9·8
10·5		59·6	39·8		
10·0	8	3·8	59·4		
8·8		3·8	23·7		9·1
10·3		4·5	56·6	a	9·4
8·6		6·1	29·7		9·0
8·4		10·9	24·2		9·0
9·6		12·1	7·7		
9·0		12·6	44·5		9·5
9·3		13·1	31·7		
8·8		14·1	38·7	a	9·0
8·4		15·8	13·1	C–	8·5
10·1		16·6	23·6		
10·2		16·6	42·9		
10·3		17·1	46·8		
10·3		18·6	30·1		
10·2		21·1	3·8		
10·4		21·6	23·4		
9·6		21·6	3·5		
10·1		21·6	43·6		
10·4		25·6	28·6		
10·5		27·4	45·4		
10·5		29·6	51·8		9·8
10·2		30·1	29·3		
10·0		32·6	36·7		
9·0		33·4	3·3		9·2
9·6		43·6	59·9		9·7
10·0		43·6	4·8		
10·0	9	2·6	48·8		
7·8		8·1	35·0	GWlπβ	7·3
10·0		14·6	11·8		
10·0		16·1	24·8		
9·6		17·6	32·0		
9·5		24·6	35·2		9·2
9·5		33·6	17·7		9·5
10·0		34·6	57·9		9·5
9·8		44·6	20·0		9·5
	+1	29·3	+0·3		

6961—7020.

mag.	18h. m	s	—20° ′		
9·6	9	47·6	25·8		10·
9·6	10	2·6	28·2		10·
9·0		6·6	41·2	a	9·1
8·6		8·6	38·1	Cam	9·0
10·0		9·1	33·0		9·7
8·9		26·6	42·8	a	9·1
9·2		33·6	17·1		9·4
10·3		47·1	24·4		
9·6		47·1	34·1		9·3
9·8		48·5	16·8		9·5
10·4		57·0	44·7		
9·2	11	14·5	5·5		9·1
9·0		18·5	47·9	a	9·1
9·6		24·5	8·4		9·1
10·0		55·3	57·3		9·8
10·0		56·5	3·2		9·5
10·0	12	12·5	13·9		
10·3		14·4	5·9		9·6
10·3		33·5	42·7		
10·3		47·0	59·1		10·
10·0		48·5	14·7		10·
9·5		49·0	24·7		9·2
9·0		53·5	33·3		9·1
10·2		54·4	26·1		9·4
8·3	13	7·0	16·0	Caml	8·0
10·2		19·0	30·1		9·5
10·2		23·5	7·0		
10·2		33·5	7·0		
10·0		39·5	15·0		9·5
8·6		43·0	20·3	Ca	8·7
9·6		47·7	58·6		9·5
9·2	14	10·5	6·4	a	9·1
9·8		36·5	15·8		9·3
9·6		37·5	43·4		
9·2		50·5	45·4	a	9·1
9·8		51·5	18·1		
9·0		56·0	7·4	Cam	8·7
9·2		57·5	21·9		9·3
9·3	15	2·5	27·9		9·6
10·2		6·5	32·6		9·4
9·6		14·0	39·2		9·6
10·3		19·0	29·8		9·7
9·0		40·5	12·1		9·1
9·0		47·4	38·0	a	9·0
10·3		52·2	34·3		
10·0		53·4	52·2		10·
9·0		53·4	42·8	Caml	8·0
9·8		54·4	32·4	Mm	9·4
9·6	16	17·4	41·2		
9·6		30·4	47·3		9·4
10·0		30·9	38·7		9·5
9·8		33·4	10·2		
9·8		43·4	24·1		9·2
8·7		46·4	23·2	am	8·9
9·8		57·9	56·1		9·3
10·0	17	4·9	11·1		9·5
9·5		15·9	15·9		9·2
10·3		20·4	56·8		10·
9·4		31·4	50·8	C–	8·5
10·0		32·4	7·1		9·5
	+1	29·3	+0·5		

7021—7080.

mag.	18h. m	s	—20° ′		
9·8	17	33·4	12·9		9·5
7·0		54·4	36·4	GWπμβ	5·4
10·0	18	6·4	57·2		
9·6		28·4	38·3		9·5
9·4		47·4	42·0		9·3
9·2	19	6·4	20·9		9·1
9·6		6·9	55·4	a	9·0
10·3		6·9	57·0		
10·0		10·4	26·5		
9·6	20	28·4	1·1	a	9·1
9·0		39·4	53·2	a	9·0
9·3		40·4	46·7		8·9
8·5		41·9	52·5	Ca	8·7
10·0		44·4	57·0		
9·6		48·4	17·6		
9·8		49·9	25·7		9·3
9·8	21	3·9	45·1		10·
9·5		6·9	52·9		9·5
9·6	22	4·4	11·2		9·4
9·8		5·4	17·4		9·3
10·0		44·2	1·0		9·5
9·8		54·4	54·0		9·1
10·0	23	0·9	11·7		
8·9		7·4	22·0	Cal	7·5
9·8		13·4	56·2		9·2
10·2		20·4	50·1		
10·3		23·4	52·1		9·8
9·6		37·0	1·9		9·2
9·4	24	2·4	57·7		9·1
9·2		20·4	8·6		9·2
9·8		36·2	2·3	MC–m	8·7
9·4		36·4	45·3	a	9·0
10·2		50·9	8·2		9·8
9·2		53·4	49·2	a	9·0
10·3		56·4	24·9		
9·5	25	30·9	44·3	a	9·2
9·4		32·4	28·1		9·1
10·3		54·9	57·3		9·7
10·3	26	0·4	31·6		
8·2		3·4	27·4	C=	8·0
10·2		5·9	42·9	a	9·0
10·2		10·4	34·9		9·4
9·4		20·4	22·2	a	9·1
10·0		20·4	33·8		10·
9·0		38·9	22·2	Ca	9·0
9·8		41·9	2·0		9·6
9·5	27	13·4	18·6		9·2
9·6		19·7	57·9		9·4
7·4		54·4	56·3	Gatlπ	6·5
9·6		54·7	17·7	a	9·1
9·8	28	3·4	47·4		9·0
10·0		7·4	23·0		9·4
10·4		37·4	16·0		9·4
9·6		45·7	24·6		
9·0		46·7	19·1		
10·4		46·9	22·5		
10·2		56·4	45·4		9·8
9·6		58·4	22·2		
9·8	29	13·9	35·4		9·8
7·4		14·4	24·7	Cbml	7·3
	+1	29·3	+0·9		

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7081—7140.

mag.	18h. m	s	−20° ′		
8·6	29	17·9	25·7	am	9·0
10·4		21·4	0·0		9·5
9·2		22·4	16·5	Ca	8·5
10·4		28·4	21·5		
9·6		32·4	20·8		9·6
10·4		34·4	12·4		
9·4		36·4	33·3		9·4
10·4		37·9	34·0		
9·2		41·9	44·2		9·6
9·2		43·4	42·2		9·6
9·6		44·4	45·7		
8·9		48·4	9·3	a	9·2
9·1		49·4	10·3		9·5
10·4		52·0	40·1		9·6
10·4		54·5	25·1		
9·0		55·5	26·0		9·4
9·4		58·5	4·3		9·5
8·9	30	13·0	10·2	a	9·1
9·2		46·0	22·0		9·5
10·4		52·0	7·8		9·9
9·4		56·0	46·2		9·6
9·6		58·5	18·0		9·3
9·6	31	0·0	27·9		9·4
10·4		7·5	51·3		
10·2		11·0	26·4		9·5
9·8		14·0	20·6		
9·4		27·0	23·8	C	9·2
10·0		30·5	14·3		
9·6		33·0	8·6		
9·6		38·5	7·0	a	9·1
9·6		43·0	44·0		9·5
8·0		46·5	26·5	Ca	8·5
9·0	32	21·0	51·1		9·1
9·6		22·8	58·9		9·2
7·4		29·0	10·8	GCa	6·5
8·2		30·0	47·1	Ca	8·6
9·6		32·0	13·2		9·1
9·6		38·0	24·0		
10·4		43·5	0·0		
10·4		47·0	27·3		
8·9	33	7·5	24·9		9·4
9·0		13·0	40·0	a	9·1
10·4		14·5	0·1		
8·6		26·5	36·4	Ca	9·0
9·8		26·7	2·0		
9·8		54·5	17·9		
10·2		57·1	52·1		
10·4	34	13·0	15·0		9·5
9·8		13·5	34·2		
9·8		18·0	25·8		
10·0		19·0	27·1		
10·4		20·5	19·8		
10·2		28·0	29·4		
9·4		33·0	4·9	MCm	9·0
9·8		36·2	53·2		10·
10·4		42·7	7·0		
10·4		45·7	45·6		
9·6		45·7	49·1	:	9·5
9·2		50·2	53·1		9·3
8·4		51·7	38·0	Cam	8·7
25pr.	+1	29·2	+1·2		

7141—7200.

mag.	18h. m	s	−20° ′		
9·6	34	53·2	39·9	a	9·3
10·2		53·2	23·9		9·8
7·0	35	0·7	25·7	CWal	7·4
9·6		12·2	21·2		
9·6		36·7	27·4		9·5
9·8		49·2	9·0		
9·8		50·2	4·7		9·4
10·4		50·7	14·1		
9·0	36	13·7	20·1		9·0
8·4		32·7	0·9	MCm	8·3
9·6		33·7	19·8		
9·1		40·7	2·0		9·3
10·4		52·2	1·3		
9·0		52·7	20·0	–	9·1
9·4	37	2·7	11·5		9·2
10·4		2·7	54·1		
10·4		14·2	3·2		
9·8		16·7	16·2		9·8
10·2		30·7	41·0		
9·4		36·7	58·2	a	9·1
9·8		42·7	20·9		
9·6		43·7	35·1		9·3
10·0		45·2	10·2		
8·2		51·7	46·3	CWal	8·0
9·2		55·2	22·0		9·0
10·4	38	0·2	59·9		
9·0		1·2	54·7	am	8·7
9·6		5·9	0·8		9·6
9·2		6·2	5·0		9·4
9·8		26·2	7·0		
9·6		32·4	2·5		
9·6		34·1	23·6		
9·6		37·1	29·4		9·5
9·2		41·6	5·5		9·3
9·2		44·6	20·3		
9·4		46·6	54·0	a	9·1
10·4		53·6	0·1		
10·4	39	4·1	3·1		
9·4		6·1	20·7	Mm	9·0
9·6		7·1	40·5		9·3
10·4		27·8	2·0		
9·2		32·6	35·7	C	8·7
8·7		40·1	31·6		9·0
9·6		49·1	28·0		
9·8		59·6	19·7		
10·4	40	0·8	58·1		
10·4		5·6	47·9		
9·4		8·6	32·1		9·4
9·8		11·1	32·0		
10·4		25·6	28·7		
7·1		27·1	24·3	GWπμβ	7·0
9·8		36·1	55·9		9·6
10·4		43·1	2·0		
9·8		54·6	41·3		
10·4	41	23·6	23·8		10·
7·7		26·1	17·3	Gbtlπ	8·0
9·8		33·1	33·0		9·5
10·4	42	5·6	10·9		
9·6		5·6	34·7		9·1
9·6		7·6	46·8		9·5
	+1	29·1	+1·4		

7201—7260.

mag.	18h. m	s	−20° ′		
9·6	42	11·6	45·3		9·5
10·4		12·6	2·9		
10·0		15·6	11·1		
6·9		15·6	27·8	GWπμβ	5·3
8·6		22·6	9·0	Ca	8·3
9·6		22·6	24·1		
9·4		23·6	44·0		9·5
9·8		41·1	41·4		
10·0		42·1	28·7		
9·6		45·6	14·0		
9·6		59·1	24·8		
10·0	43	2·6	46·6		
10·4		6·6	28·8		
9·2		9·8	59·0		9·2
10·4		14·1	52·2		
9·6		17·1	46·4		8·8
9·6		18·1	24·8		9·1
10·2		18·1	24·5		
9·8		20·1	3·0		9·4
10·4		30·1	50·0		9·5
7·7		35·6	26·2	Wkbml	7·8
9·2		39·6	17·6		9·1
10·4		39·6	6·8		
7·2		42·6	26·6	Wkbml	8·3
10·4		42·6	14·0		
10·2		53·6	42·4		9·9
9·8		58·1	21·8		9·5
9·0	44	3·6	34·8		9·2
10·0		5·6	16·6		
9·6		5·6	44·4		
10·4		6·1	55·6		9·8
9·4		6·6	13·3		
10·4		13·6	51·0		
9·6		14·6	40·0		9·3
10·4		15·6	24·1		
9·4		15·6	20·6		9·4
9·6		17·6	32·6		
10·4		20·6	39·6		
10·0		25·6	41·2		
9·8		29·6	20·8		
10·4		35·6	16·4		
8·0		35·6	31·2	Cbl	8·2
9·4		36·6	24·2		9·5
8·4		38·6	45·0		8·9
9·4		40·1	29·1		9·5
8·4		40·1	13·2	–	8·8
10·2		40·6	55·2		
10·4		42·6	18·8		
9·6		45·6	26·4		
9·4		47·6	18·0		9·8
10·0		48·6	5·3		
9·6		50·6	28·6		
10·2		51·1	14·0		
8·4		52·6	21·0	CWbl	8·5
9·8		52·6	21·5		
8·4		52·6	27·6		8·7
9·1		54·1	40·8		9·7
9·8		59·1	54·0		
10·2		59·6	22·1		
9·6	45	2·6	32·3		
	+1	29·1	+1·6		

7261—7320.

mag.	18h. m	s	−20° ′		
9·4	45	2·6	44·6		9·3
10·4		2·6	24·4		
8·8		2·6	26·8		8·7
9·8		4·1	29·3		
10·4		4·6	42·8		
8·2		5·6	7·9	MC–m	8·3
9·2		9·1	19·5		
10·4		10·6	42·7		
9·4		11·1	40·8		9·0
9·8		11·1	8·5		
10·4		16·1	58·8		
9·8		16·6	23·7		
8·4		17·6	23·2	}	8·5
9·2		18·1	22·5		
10·4		19·6	36·5		
10·4		19·6	15·5		
10·4		21·6	26·7		
10·0		21·6	53·2		
9·0		22·6	4·1		9·3
9·8		25·6	29·3		
8·6		26·6	39·9		8·9
9·6		29·6	36·3		
10·0		31·6	11·6		
10·4		34·1	6·8		
9·8		34·6	13·3		
10·4		35·1	54·6		
9·2		35·6	55·7		9·6
9·6		43·6	48·7		9·3
10·4		47·4	36·2		
9·6		49·6	43·5		
10·4		54·6	58·6		
10·4		55·6	12·5		
10·0	46	2·6	7·6		
9·8		3·6	29·4		
9·2		4·6	36·1		10·
9·6		9·6	39·1		
9·4		12·6	22·1		
9·4		16·1	22·3		
9·4		22·6	33·7		8·9
9·1		22·8	58·3		9·1
9·8		25·4	18·1		
9·1		26·6	27·2		9·6
8·9		27·6	6·5		8·9
9·1		31·6	16·6		
9·4		34·6	23·1		
9·4		35·6	24·4		9·7
10·4		35·6	35·9		
10·0		39·1	15·9		
10·2		42·1	15·9		
9·8		42·6	25·4		
9·6		44·1	1·9		
10·0		52·1	20·8		10·
7·9		54·1	5·0	Caml	8·3
9·8		55·6	22·1		
9·8		55·6	6·3		
10·0	47	3·6	9·4		
9·6		5·3	1·4		
8·7		6·6	6·5		9·3
8·4		6·6	5·0	a	9·2
9·0		9·0	0·7		9·3
	+1	29·0	+1·7		

7321—7380.

mag.	18h. m	s	—20° ′		
10.4	47	10.6	2.6		
9.6		11.1	4.2		
9.6		15.0	0.9		
10.4		15.6	8.1		
10.4		15.6	18.5	:	
10.4		18.8	0.8		
10.4		23.1	32.4		10.
9.0		23.9	2.6		9.2
8.4		24.0	1.1	a	9.0
9.6		24.3	3.1		
10.2		26.6	11.5		
8.7		32.9	27.0	C=m	8.7
10.0		42.6	15.9		
8.0		46.6	24.6	Cb–ml	8.0
8.2		51.6	59.9	a	8.8
9.2		55.4	11.2		9.3
10.4		59.6	51.8		
10.0	48	4.1	50.6		10.
10.4		6.6	16.2		
10.0		6.9	48.7		10.
7.8		19.1	10.4	Caml	7.8
9.7		37.3	44.2		9.7
9.8		45.6	5.7		
9.6		50.4	33.2		10.
10.4		53.6	14.9		
10.2		57.6	19.9		
9.7	49	6.6	6.9		
10.2		23.6	7.0		
10.0		45.1	26.7		9.3
9.6		50.6	25.6		9.0
4.9		54.1	49.0	GWπμβ	5.5
10.4	50	12.6	14.3		
10.4		17.6	13.8		
9.6		23.6	6.8		10.
9.2		33.1	25.3		9.8
9.8		42.6	46.2		10.
7.1		45.6	35.2	Gtlπμ	7.8
10.0		46.6	17.9		
10.4	51	5.6	2.5		
10.4		11.4	2.0		
9.7		19.6	49.1		9.0
10.4		19.6	1.6		9.5
10.4		22.6	37.0		10.
8.3		45.6	40.7		9.0
9.7		46.1	15.6		9.4
10.4		46.6	59.7		
10.4		52.6	53.1		
9.8		53.6	14.8		9.3
10.0	52	20.1	53.0		9.5
9.3		20.6	24.7		9.4
10.0		39.6	58.4	Mm	9.2
9.7	53	0.1	1.6		
8.4		2.6	3.2	a	8.9
9.5		5.6	37.9		9.5
8.4		13.6	47.5	Mm	9.0
10.0		15.6	3.1		
9.0		21.6	1.6	a	9.2
9.6		23.4	0.2		9.5
10.0		42.6	2.1	a	9.4
10.0		42.6	51.7		
25pr.	+1	29.0	+1.8		

7381—7440.

mag.	18h.–19h. m	s	—20° ′		
8.4	53	42.6	3.5	Ca	8.9
9.8		50.6	28.9		
10.0	54	15.6	18.8		9.5
9.8		35.1	53.6		9.5
9.7		39.6	32.0	a	9.0
10.4		48.1	48.1		
9.6		53.6	28.2		9.4
9.7		54.1	8.3		
10.4		57.3	0.5		
10.4		58.6	39.8		
10.4	55	0.8	41.5	·	9.7
10.4		8.3	9.7		
10.4		10.4	46.2		
8.8		16.3	36.4	Wa	8.8
7.8		16.8	35.2	CWam	8.5
8.2		41.8	54.2	Ca	8.3
10.4		49.6	43.7		9.7
9.8		55.8	28.5		
10.0	56	5.8	30.1		
7.7		9.8	18.4	Cam	7.8
8.5		15.8	45.3	a	8.9
9.7		22.8	54.8		
9.0		26.8	51.9	b	8.6
9.2		32.8	29.1		
9.0		33.8	37.3	a	9.0
9.0		44.5	58.9	CWa	8.7
9.6		53.3	44.6		
10.4		53.3	40.9		9.6
7.7		54.8	19.4	Cam	8.3
9.5	57	17.8	40.9		9.2
10.4		19.8	32.3		9.4
9.6		26.0	58.9		9.4
9.8		38.3	0.5		9.4
9.2	58	36.8	6.3		9.4
9.7		56.8	47.4		9.3
10.0	59	28.3	15.2		
8.6		36.8	10.4	Ca	8.3
10.4		37.8	28.5		
10.4		37.8	37.4		9.9
9.7		39.8	49.9		10.
9.8		52.8	42.2		9.0
10.4	0	1.8	42.0		
9.7		30.0	44.8		9.5
9.5		36.0	14.7		9.5
9.4		56.5	28.0	C=	9.0
9.8		59.0	5.9		9.7
9.3	1	0.2	2.9		9.1
9.4		2.0	54.9		
9.5		3.0	28.2		9.4
9.7		11.0	7.2		9.8
10.4		23.0	23.9		
8.9		26.0	23.7		8.8
8.7		31.0	0.7	Ca	8.2
10.0		33.0	59.2		
8.5		39.5	11.8	C	8.0
9.5		43.0	22.6		9.0
10.4		58.8	59.6		
9.8	2	3.6	0.3		
9.4		6.5	10.1		9.6
9.6		16.0	54.2		9.3
	+1	28.9	+2.1		

7441—7500.

mag.	19h. m	s	—20° ′		
8.0	2	16.0	14.3	MC=m	8.0
8.7		19.0	35.9		8.8
7.3		26.0	0.1	GWkπμ	6.5
9.2		26.5	38.8	C–	8.9
10.4		28.0	35.1		
9.6		35.0	32.8		9.8
10.4		56.0	48.6		
8.3	3	6.0	52.3	Ca	8.2
9.0		13.5	18.3		9.1
10.4		15.5	13.7		9.5
9.8		22.0	15.5		9.5
9.8		33.0	9.1		9.4
9.6		34.0	10.8		
8.3		35.0	10.4	Cam	8.5
9.7		43.5	13.8		9.8
10.0		44.0	45.0		9.4
9.2		47.0	22.4		9.4
9.2		52.0	53.8		9.3
7.7		55.5	32.9	Gbtlπ	7.8
10.4	4	4.0	16.8		
10.4		10.0	28.7		
8.7		15.2	7.4	Cam	8.9
9.0		17.2	11.4		9.4
9.8		26.2	29.8		9.4
8.6		28.2	35.0	Cbml	8.3
9.6		35.2	26.9	C	9.0
8.0		36.2	10.1	a	8.9
9.2		43.2	36.9		9.2
10.4		55.7	37.3		10.
9.4		58.2	8.3	a	9.0
9.6	5	7.2	56.9		9.5
9.8		12.2	32.3		
9.0		16.2	14.5		9.5
9.8		16.2	39.8		9.6
9.4		16.2	25.9	Mm	8.5
10.4		16.2	42.2		9.6
10.4		20.2	15.8		
9.0		25.7	44.1		9.2
10.0		31.2	41.8		9.4
9.0		40.2	23.7	Cm	8.3
7.5		45.7	37.7	G–mtπ	7.9
10.4		48.2	26.2		
10.0		54.7	52.3		
9.6	6	8.7	24.1	M	9.3
10.4		12.2	50.3		9.7
9.7		22.7	23.9	Mm	9.1
10.0		23.2	39.8		9.6
10.4		33.2	5.1		
10.0		35.2	32.7		
9.7		39.2	8.1	Mam	9.3
9.8		41.2	19.9		9.5
9.2		43.4	55.8		9.4
10.0		46.1	35.5		
10.4		54.2	39.9		
10.4		56.2	29.7		
8.9	7	19.2	7.5	am	9.1
10.4		22.7	32.0		
8.7		28.4	14.7	a	9.0
9.7		38.7	40.0		9.5
10.4		48.2	46.8		9.5
	+1	28.8	+2.3		

7501—7560.

mag.	19h. m	s	—20° ′		
7.8	8	4.2	0.1	GWtlπ	7.3
10.4		14.7	12.6		9.8
9.7		22.4	30.0		9.8
8.4		44.9	40.2	Ca–	8.4
10.4		53.5	23.6		
10.2	9	0.1	52.1		9.6
10.4		7.6	48.5		10.
8.4		22.6	59.7		9.1
8.6		23.6	43.0	Ma	9.1
10.4		44.6	47.5		
8.0		48.1	45.9	Cam	8.2
8.6		52.1	55.3	Ca	9.0
9.7		56.1	56.5	a	9.1
10.4		58.9	21.4		
9.2	10	6.4	7.5		9.5
9.4		13.4	10.8		9.1
9.4		13.9	11.6		9.2
10.4		33.4	42.8		9.7
9.0		34.9	5.7		9.0
10.0		43.9	30.3		9.5
9.8		44.4	17.5		9.4
8.5		57.4	39.7	MC=m	8.3
10.4	11	2.4	14.0		
10.0		4.9	24.3		
9.2		17.4	30.6		9.5
9.8		32.2	53.1		9.9
9.2		42.2	55.5		9.5
9.0		43.7	31.2		9.0
9.2	12	1.2	9.8	a	9.1
9.2		5.2	38.9	a	9.2
9.8		7.2	26.5		9.4
9.0		25.7	51.1		9.3
9.0		40.7	27.6		9.1
9.2		44.2	8.1	Mam	9.2
9.2		51.7	4.3		9.4
9.4	13	1.7	18.5		9.8
10.0		28.7	19.7		9.8
9.4		36.2	55.5	–	9.0
9.0		54.2	41.7		9.7
10.4	14	2.5	1.5		
9.7		3.0	6.9	am	9.2
10.4		18.0	42.3		
10.4		18.0	41.5		9.5
10.0		36.0	58.3		
9.2		40.0	45.9	a	9.1
10.4		43.0	58.1		
9.4		43.0	34.3		9.1
10.0		55.0	47.3		
8.6	15	9.0	33.1	C–	8.5
7.7		16.0	52.5	CWam	7.0
10.4		16.0	41.7		9.5
9.2		22.0	33.3	C	8.9
10.4		37.0	54.6		9.5
8.6		37.5	4.8		9.0
8.5		49.5	11.4	M≡m	9.0
9.8	16	3.0	0.3		10.
10.0		6.3	9.6		10.
9.8		13.3	57.4		10.
9.8		21.8	6.0		9.7
9.6		31.8	26.4	am	9.0
	+1	28.7	+2.6		

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7561—7620.

mag.	19h. m	s	–20° ′		
10.4	16	37.8	10.0		
10.4		39.3	20.6		9.8
9.4		48.3	18.8		9.8
9.0		48.8	32.0	b	9.0
10.4	17	5.3	48.5		
10.4		7.3	16.9		
8.4		12.8	23.7	Cam	8.7
8.5		23.8	50.0	Cam	8.3
9.0		29.3	56.2	Ca	9.0
9.7		29.8	11.5		9.2
8.4		39.8	57.5	Ca	9.0
9.2		45.3	36.2		9.3
9.6		49.6	8.0		9.7
9.6		53.6	29.3		9.4
9.4	18	5.8	28.2		9.8
9.2		12.8	13.8		9.5
9.6		16.3	14.2		9.3
10.4		25.8	31.7		9.5
10.4		29.8	8.9		
10.2		30.6	27.4		9.5
8.3		30.8	47.4	Cal	8.5
9.2		37.8	2.3		9.5
10.0		42.8	47.9		
10.4		47.6	39.1		
9.8		50.3	21.5		9.6
8.8		52.3	50.1	a	9.1
10.4	19	1.8	33.6		9.5
8.4		9.8	50.0	Caml	8.2
9.6		22.8	26.6		9.5
10.0		35.8	57.2		9.4
9.2		41.3	6.7		9.5
8.6		55.3	54.2	am	9.0
9.0		55.8	12.6	–	8.5
8.2	20	12.6	36.7	Caml	8.2
9.5		18.8	58.4	am	9.0
8.2		42.6	45.9	Caml	8.2
10.4		44.1	43.0		
9.4		47.6	54.6		9.8
9.7		55.1	25.6		9.8
10.4	21	5.6	16.0		9.6
9.8		9.1	16.2		9.6
10.4		31.6	6.3		9.4
10.0		35.6	48.4		
9.7		40.1	20.9		9.5
10.4		43.1	34.9		9.5
9.2		45.6	35.0	–	9.3
9.7		52.8	0.1	a	9.3
9.7	22	7.6	53.9		9.5
9.7		23.6	28.4		9.3
9.6		26.1	44.1		9.4
9.2		35.6	37.0		9.1
10.4		39.6	52.8		
10.4	23	24.1	13.2		9.8
9.2		39.6	19.0		9.4
9.2		45.6	36.9	}	9.1
9.2		45.6	36.1	}	
10.0	24	3.6	5.6		9.8
10.0		3.6	24.6		10.
8.6		6.6	40.8	CW–	8.8
9.8		16.6	28.0		9.5
25pr.	+1	28.5	+2.9		

7621—7680.

mag.	19h. m	s	–20° ′		
10.4	24	25.6	46.0		
10.0		32.6	47.9		9.5
10.4		33.6	46.4		
9.4		38.6	25.1		9.5
10.0		39.6	56.1		9.8
8.3		44.1	39.7	CWaml	8.0
10.4		45.6	57.9		
9.4		51.6	25.0		9.5
9.7		53.1	12.6		9.6
9.4	25	3.6	40.6		9.6
10.4		5.4	44.5		
9.6		9.6	30.2		9.5
10.4		27.4	51.4		9.8
9.7		35.6	44.8		9.4
10.0		36.1	41.8		9.7
10.0		49.6	20.6		9.5
10.4	26	10.1	28.9		
9.2		12.1	56.5		
9.2		16.1	44.8		9.5
10.2		17.6	4.7		
10.4		33.4	16.1		10.
10.0		34.8	0.7	a	9.7
8.4	27	0.2	16.8	C–	8.7
10.4		1.6	25.0		9.5
10.4		4.6	22.4		
9.2		32.0	26.9		9.3
9.2		42.0	26.3		9.4
10.4		43.6	27.1		
9.2		59.2	3.4	a	8.9
10.4	28	2.4	29.0		9.7
10.4		16.6	3.1		
9.8		21.0	2.7	a	9.2
9.4		26.7	37.5		9.4
10.3		47.7	50.5		
8.4		53.2	20.2	Cam	8.5
9.4	29	30.2	20.0	a	9.1
10.0		36.7	28.7	a	9.2
8.0		49.2	38.4	MCWam	8.2
9.4	30	29.2	38.5		9.4
8.6	31	5.0	49.1	am	9.0
9.8		10.5	35.1	Wa	9.0
10.2		14.0	26.1		9.5
9.0		42.0	20.4	a	9.0
8.0	32	42.0	17.9	Cam	8.0
10.3		43.5	5.1		9.2
8.4		47.5	49.9	GWtlπ	7.8
10.3		58.5	22.1		9.4
8.8	33	41.5	19.7		8.8
9.0		43.5	40.9		9.0
8.8		49.5	4.6		9.2
8.4		51.0	38.6	a	8.5
9.0		57.5	6.1		9.3
9.0	34	8.0	22.2	C=	8.5
10.3		33.4	35.6		9.8
10.3		42.4	59.1		9.4
10.3		46.4	52.1		
10.3		50.9	8.1		9.5
10.3	35	3.4	43.7		9.2
9.2		20.4	14.2	a	8.9
10.2		26.4	29.1	am	8.8
	+1	28.4	+3.1		

7681—7740.

mag.	19h. m	s	–20° ′		
9.8	35	41.9	40.3		9.7
8.7		46.4	58.1		9.2
8.7	36	3.9	27.4	Cam	8.7
10.3		6.4	27.6		9.5
10.2		54.4	32.1	–	9.1
10.0		56.4	2.1		9.3
10.3	37	7.9	19.1		9.3
10.0		17.4	46.1		9.5
9.0		22.2	46.1		9.3
9.8		23.2	43.8		9.5
9.4		24.2	43.9		9.3
10.3		26.2	5.0		10.
9.8		39.2	31.6		9.8
9.2		39.7	13.4		9.3
9.8	38	3.2	56.4		9.5
10.3		27.2	54.9		10.
10.3		52.2	16.7		9.5
6.4	39	4.2	3.6	GWπμβ	5.0
8.5		6.2	28.1	–	9.0
9.4		13.2	52.8		9.3
9.4		21.7	8.5		9.1
8.5		43.2	7.3		8.8
8.0		47.7	11.0	Caml	8.3
9.4		53.7	51.4		9.5
9.4		56.7	5.7		9.2
9.8	40	3.7	10.7		8.9
10.3		4.7	25.1		9.4
10.3		15.2	41.6		9.8
9.6		22.7	14.8		9.5
9.0		30.2	5.2		9.3
9.0		56.2	59.8	Cam	8.6
10.2	41	27.5	39.3		9.7
10.2		39.2	43.7		9.8
8.8		48.5	18.6		9.2
8.8	42	34.5	30.7	k	9.0
10.3		42.5	49.9		9.8
9.8		44.0	52.4		9.4
9.2	43	52.5	49.0	–	9.0
9.8		53.0	30.7		9.1
10.0	44	3.0	32.6		9.8
10.3		4.0	26.2		9.3
8.8		12.0	50.6		9.3
10.3		13.0	57.3		10.
10.3		20.5	10.3		9.5
8.0		34.0	0.9	Ca	8.2
9.6		37.0	42.2		9.5
9.0		53.0	33.9	MC m	8.9
10.3		53.6	2.1		9.6
10.3		57.2	40.0		9.4
9.0	45	7.6	11.9		9.0
9.4		12.1	58.4		9.4
8.5		21.6	16.1	Ca	8.8
9.0	46	2.1	3.6		9.0
10.3		4.2	9.9		9.5
10.3		11.6	41.3		9.6
9.0		23.6	41.1	a	9.0
9.4		32.1	42.6		9.4
9.4		53.6	49.0		9.6
9.4	47	26.1	25.0	ka	9.0
9.8		35.6	47.1		9.5
	+1	28.1	+3.6		

7741—7800.

mag.	19h.–20h. m	s	–20° ′		
8.6	47	51.3	40.1	MC=m	8.3
9.4	48	5.5	19.4		9.5
9.4		5.5	50.6		
9.4		30.0	28.1		9.1
9.4		33.0	40.4		9.7
8.4		41.3	49.2	Ca	8.8
8.7	49	22.8	48.4	a	8.5
8.8		40.3	54.8	Ca	8.8
9.4	50	13.5	38.1		9.7
9.4		21.4	13.8		9.0
8.7	51	21.8	15.8	Cka	8.3
8.4		41.8	25.1	Cam	8.3
9.3	52	11.8	29.7		9.3
8.6		27.5	32.7	Cam	8.6
8.2	53	13.1	11.7	MCaml	7.0
9.4		43.9	58.9		9.8
9.0	54	14.8	4.4		9.2
9.4	55	44.8	6.8		9.5
9.3		49.3	21.4		10.
9.2	56	59.1	46.4		9.1
9.4	57	11.0	28.3		9.5
9.4		12.0	35.4		9.5
8.2		27.8	53.1	C≥m	8.5
9.4		56.8	8.7		9.5
9.4	58	0.5	10.8		9.5
8.8		31.5	53.4	Cam	8.8
9.4		33.5	0.0		9.5
9.2		51.5	15.5		9.3
9.1		53.5	28.3		9.5
9.2	59	3.0	16.1		9.3
8.8		10.9	29.8	MC=m	8.5
8.4		17.7	7.9		9.0
8.7		30.7	55.0	a	9.0
9.2	0	22.9	21.0		9.6
9.2		28.2	13.3		9.0
8.6		29.9	8.0	MCm	8.3
9.4	1	57.4	19.7		9.5
7.4	2	14.9	57.4	Gtlπμ	7.2
8.8		27.2	43.4		9.1
9.2		48.5	45.2	Mm	9.0
9.4		49.9	0.3		9.2
8.8	3	5.4	50.9	MC–m	8.8
9.3		47.5	22.1		9.5
8.0		53.5	37.9	MC=m	7.3
9.0		58.9	1.5	a	9.1
9.4	4	5.4	30.7		9.4
8.8		18.9	35.0	MC–m	8.5
9.2		22.9	31.0		9.3
9.4		26.2	7.6		9.5
9.4		30.9	55.6		9.4
8.7		31.7	35.9	MC–m	8.5
9.0		36.4	43.9		9.2
9.2		41.7	14.1	b	9.1
9.4		51.9	16.1		9.5
9.4		54.7	43.3		9.5
9.1	5	19.7	48.9	M	9.0
8.6		31.7	8.1	Ca	9.0
9.4		54.2	41.6		9.4
8.2	6	7.5	15.6	Cam	8.3
9.4		19.9	47.4		9.7
	+1	27.6	+4.1		

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7801—7860.

mag.	20h. m	s	—20° ′		
9·4	6	19·9	30·7		9·7
9·1		39·9	34·7	a	9·2
9·4		42·9	55·6		
9·4		44·9	11·6		9·5
8·9		53·5	36·9	Cam	8·5
9·2	7	22·5	1·3		9·2
10·4		32·5	39·7		
10·4		34·0	5·8		10·
9·2		48·0	22·0	–	9·4
8·6	8	5·0	52·4	MC=m	9·0
9·8		42·1	49·1		9·4
10·4		43·5	55·4		
7·7	9	0·0	24·1	Cam	7·8
9·8		5·5	43·1		9·5
9·6		9·5	7·3		9·3
8·6		14·5	28·1	Cam	8·7
9·8		23·0	33·7	–	9·2
9·8		31·5	42·3		9·5
10·0		47·0	6·1		9·4
10·4		52·0	29·9		10·
7·8	10	1·5	20·5	MCam	7·8
9·9		7·5	47·5		9·3
9·8		14·5	28·1		9·6
9·2		17·0	26·8		9·3
9·4		33·0	10·2	a	9·2
10·2		54·0	4·7		
10·4	11	14·0	43·5		10·
10·0		17·0	9·1		
8·8		21·0	5·0	Cam	8·7
10·2		32·0	15·8		
10·2		46·0	54·9		
9·6		49·0	10·2		
10·0		53·5	7·1		
10·0	12	6·0	21·5		9·4
8·0		17·5	18·0	≡	8·1
10·0		22·0	36·3		9·7
9·6		22·0	16·4		9·3
10·4		26·0	14·2		9·6
10·4		32·0	49·4		9·5
8·6		39·5	17·9		8·8
8·3		52·0	38·9		8·8
10·4		52·0	50·8		
10·0	13	9·0	41·4		10·
10·4		9·5	8·2		
9·8		12·0	49·1		9·4
9·0		13·0	21·3	C=	8·7
9·0		13·5	55·7		9·3
7·8		14·0	2·3	GWtlπ	7·5
10·4		15·3	58·9		
10·0		17·5	59·9		
9·4		18·8	2·4		9·8
10·2		26·0	46·9		
9·6		43·0	53·4		9·5
8·7		43·3	2·1	am	9·0
9·2		43·5	0·1		9·7
10·0		59·5	43·5		
10·0	14	2·0	4·6		
10·2		6·5	19·7		10·
10·2		10·5	51·6		9·6
10·2		14·5	15·0		
25pr.	+ 1	27·3	+ 4·6		

7861—7920.

mag.	20h. m	s	—20° ′		
9·6	14	23·0	33·4		9·5
9·5		53·6	27·9		9·4
9·5	15	3·6	36·0		9·3
10·0		3·6	37·9		
9·4		5·1	37·4	}	
9·2		6·1	37·4	Ca }	9·1
9·4		10·1	41·7		9·5
8·4		12·6	10·4	C–m	8·5
9·8		16·1	48·0		
9·0		21·6	15·7		9·8
10·2		25·6	49·4		9·6
8·9		37·1	42·8		9·7
8·6	16	13·6	55·8	Cam	8·5
10·4		19·1	36·9		
10·4		19·6	47·1		
10·0		21·6	27·9		
10·4		21·6	24·9		
9·0		22·1	17·0		9·4
10·4		29·4	41·5		
8·4		33·6	18·4	C	8·9
10·4		36·1	55·9		9·5
9·2		36·1	37·9	a	9·0
9·2		50·1	10·4		9·2
9·6		50·6	25·8	b	9·1
10·4	17	2·6	26·0		
10·0		21·6	22·5		
10·4		22·6	52·7		
8·8		32·6	6·8	C	9·0
10·4		34·1	55·1		
8·7		43·6	24·8	Cam	8·7
9·6		53·6	16·1		
10·4		56·1	14·5		
9·8	18	16·6	5·2		9·8
9·4		26·6	50·1		9·2
10·2		32·6	23·5		
10·4		35·4	54·0		
10·0		36·9	50·9		10·
8·8		42·4	7·5	am	9·2
9·0		46·9	51·9		9·1
10·4		49·4	1·0		
10·4	19	16·4	55·1		
10·4		21·9	47·1		
10·4		39·9	25·7		10·
9·5		45·9	48·0		9·6
9·4		47·4	50·1		9·5
8·7		52·4	15·5	Cam	9·0
9·8		52·9	8·3		9·4
10·4		55·9	32·0		
9·4	20	3·2	0·4		9·4
10·0		4·9	6·0		9·9
10·4		4·9	47·1		
9·8		6·4	50·2		9·5
10·4		15·4	15·8		
10·4		34·9	45·6		
8·4		48·9	42·8	MC≡m	8·5
10·2		49·4	45·4		
10·4		55·9	43·5		
9·0	21	5·4	46·2	Cam	8·8
8·6		12·9	59·6	Ca	8·8
9·0		25·4	6·1	C–	9·0
	+ 1	27·1	+ 4·7		

7921—7980.

mag.	20h. m	s	—20° ′		
10·4	21	45·2	47·1		
9·2		55·4	8·1		9·4
10·0		59·9	8·3		9·9
9·0	22	5·4	42·7		9·4
10·4		7·9	27·9		
10·0		40·9	45·1		9·9
9·8		45·9	46·4		9·5
9·8		51·4	9·7		9·8
10·4	23	0·2	10·2		9·8
8·7		3·4	10·0	C	8·8
10·4		6·4	17·5		
9·0		7·4	41·7	C≡	9·0
8·8		19·4	20·1	C–	8·8
10·4		24·2	56·9		10·
10·0		25·4	32·3		
10·0		40·2	27·0		
9·4	24	8·2	13·0	M≡m	9·2
10·4		11·0	27·1		9·8
9·2		24·7	50·6		9·3
10·4		25·2	5·8		
8·8		41·2	18·6		9·3
9·0	25	21·7	23·2	Ca	9·0
9·0		22·7	32·4		9·2
8·9		26·2	0·1		9·4
9·0		33·2	29·4	Cam	9·0
10·4		36·2	34·6		
9·4		39·2	3·6		9·3
9·4		39·2	30·3		9·4
9·8		46·7	18·6		
9·4	26	5·2	29·2		9·2
10·4		8·0	2·4		
9·4		26·2	50·9		9·1
8·3		40·1	57·8	MCam	8·0
9·8		42·2	36·5		9·9
10·4		43·2	29·6		
10·2	27	1·2	48·7		
10·4		2·2	38·6		
10·2		3·2	40·8		
10·4		3·7	17·3		
10·4		13·1	58·5		
9·2		16·9	33·2	–	9·2
10·4		25·2	7·2		
9·8		36·2	52·3		9·8
9·8		37·0	59·0		9·8
10·4		42·7	47·0		
10·4		46·2	50·0		
9·4		51·4	34·7	≡	9·4
9·2		59·0	49·7		9·4
9·8	28	3·2	55·8		9·4
9·8		13·5	29·8		10·
10·4		31·5	15·9		
9·8		37·0	6·5		10·
10·4		45·0	59·3		
10·3		55·3	43·9		9·6
9·4	29	32·1	15·6	Ca	9·0
9·8		32·1	29·2		9·5
7·8		45·6	59·8	Caml	8·7
10·2	30	3·6	27·7		9·1
8·0		11·1	16·9	Cal	8·5
10·3		13·6	5·0		9·3
	+ 1	26·8	+ 5·0		

7981—8040.

mag.	20h. m	s	—20° ′		
10·0	30	39·6	30·1		9·4
9·8		54·6	23·1		9·6
10·0	31	1·1	51·9		
10·0		24·1	45·9	G	9·5
9·6		24·6	32·9		9·5
8·4	32	22·1	6·5	Cam	8·7
8·6		23·6	31·6	–	9·0
10·3		35·6	13·4		
9·6		37·1	34·5		9·5
10·0	33	19·1	50·5		9·5
9·6		28·1	36·1		9·4
10·3	34	47·6	15·9		9·5
9·2	35	37·1	27·2	–	9·1
8·6		52·6	40·1	GMC=m	8·7
9·0	36	32·9	57·7	M	9·0
10·3		45·6	24·8		9·7
10·3		51·6	50·6		9·8
9·8		58·1	39·2		9·4
9·6	37	8·6	49·5		9·3
10·3		58·6	49·2		9·5
9·0	38	4·6	51·1	C–	9·0
10·2		36·5	59·1		9·5
9·0		45·1	58·1		8·9
9·3		56·1	34·7		9·1
9·4	39	7·1	59·7	Ca	9·0
10·0		11·6	46·1		9·1
9·4		23·6	7·2	C	9·2
9·0		27·1	28·9	C–	9·0
10·3		29·1	32·8		9·8
9·8		42·6	35·1	–	9·1
10·3	40	13·6	9·0		9·9
10·0		17·6	20·1		10·
10·3		18·1	14·4		9·8
9·8	41	42·6	18·5		9·5
10·3		51·6	6·1		10·
10·3		53·0	18·5		9·5
10·3	42	35·6	54·5		
10·3		36·0	28·7		9·8
8·6		52·1	11·0	C	8·8
10·3		52·1	38·1		9·7
9·8	43	7·6	4·3		9·4
8·8		21·1	9·1	C	9·0
9·2		22·0	1·9	C	9·1
9·0		57·1	3·2	MCa	9·0
10·0	44	5·1	36·9		9·7
10·3		22·1	53·4		
10·3		23·0	27·4		
9·6		35·6	50·6		9·3
9·3		36·1	44·1	C	9·0
10·3		43·1	6·3		9·8
8·6		49·1	18·5	C–	8·8
9·8	45	5·6	8·4		9·5
7·1		6·6	6·6	Gaml	7·0
10·3		13·6	55·1		
8·7		27·6	2·2	a	9·4
9·1		29·6	11·5		9·2
10·0	46	26·6	6·1		9·5
9·1		27·1	14·1	K–	9·0
9·2		53·6	35·4		9·4
9·4		57·1	15·4		8·9
	+ 1	26·4	+ 5·4		

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8041–8100.

mag.	20^h m	s	—20° ′		
10·0	47	3·0	33·4		9·5
9·6		17·3	38·0		9·4
9·9	48	0·0	25·8		9·8
9·0		15·8	44·9		9·4
8·6		30·5	17·5	MC=m	8·8
9·9	49	3·0	39·8		9·7
9·5		6·5	40·0		9·6
9·0		10·3	3·4	MC	9·1
9·9		11·0	50·6		
9·5		12·0	49·7		9·4
9·9		13·0	51·2		9·8
9·0		41·0	30·6	–	9·2
9·9		54·0	7·9	G	9·6
9·9	50	1·0	2·5		9·7
9·0		25·8	31·2	–	9·0
8·4		46·8	33·1	MCK=m	8·5
9·0		50·3	16·7	C	9·0
8·9	51	29·8	37·3		9·0
9·2		33·8	47·6	–	9·0
9·9		43·8	7·7		9·5
9·7	52	3·8	20·8		9·8
9·9		11·8	4·1		
9·9		12·8	29·4		
7·8		14·3	55·7	Caml	7·8
9·7		23·1	1·0		9·6
8·4		34·3	57·4	Ca	8·9
8·4		48·8	5·6	C	8·8
8·9		53·8	27·8	Cam	8·8
9·9	53	5·3	51·0		
9·9		45·8	56·5		9·8
8·0		45·8	24·1	Caml	8·3
9·9	54	5·8	11·1		9·8
9·9		7·8	48·9		
9·2		46·6	0·7		9·1
9·5	55	5·8	3·9		9·3
8·9		8·8	49·4	MC>m	8·5
9·9		16·8	54·5		9·5
9·0		25·3	55·5	–	9·0
9·0		50·3	8·0		9·0
9·9		55·8	43·8		9·4
9·2	56	0·8	48·7		9·3
8·0		13·3	12·8	MCam	8·3
9·5		32·8	38·4		9·7
9·9		35·8	13·0		9·8
8·5		43·8	6·6	Caml	8·3
8·6		55·8	9·5	a	9·1
9·9	57	7·3	16·9		
9·7		16·6	1·3		9·5
4·9		16·8	20·7	GSπμβ	5·0
9·7		28·8	32·7		9·5
9·2		44·9	58·0		9·2
9·7		53·6	31·0		9·5
9·0	58	5·6	36·5	MC=m	8·3
9·0		9·6	19·1		9·5
9·2		10·1	50·7		9·4
9·9		19·6	41·6		9·4
9·7		31·6	11·2		10·
9·0		34·6	27·7		9·3
9·9		44·4	59·0		10·
9·7		59·6	40·3		9·8
	+ 1	25·8	+ 5·8		

8101—8160.

mag.	20^h.–21^h. m	s	—20° ′		
9·9	59	1·6	15·3		10·
7·4		33·6	40·6	Gtlπβ	6·8
8·5		43·6	12·2	C–	9·0
8·9		52·6	33·9	Cal	8·5
9·0		56·6	43·6		9·6
8·5	0	42·6	32·1	Cal	8·5
9·5		51·6	26·7		9·5
9·5	1	2·6	13·9		9·5
9·2		5·6	21·0	C	9·4
9·7		35·6	29·3		9·4
9·9		53·1	44·5		10·
7·4	2	7·1	41·8	Gtlπβ	7·0
8·9		16·7	59·8		9·0
9·7		32·1	54·5		9·5
9·2	3	52·6	19·2		9·2
9·7	4	0·6	43·1		9·2
9·9		42·0	2·3		9·8
8·0		55·6	50·4	Gamtπ	7·3
9·9	5	26·1	56·1		9·8
9·7		52·1	4·8		9·5
9·9		53·1	14·0		9·5
9·0	6	8·2	41·7		9·6
9·9		29·7	45·2		
8·4		51·9	36·1	Gbtlπ	7·3
9·9		59·2	48·7		9·5
9·7	7	14·2	4·8		9·5
9·7		17·2	36·7		9·6
9·9		36·2	31·7		10·
8·0		51·2	35·3	aml	7·0
9·9	8	29·7	6·9		9·8
9·9	9	3·2	42·7		9·9
10·1		23·6	6·4		9·2
7·9		34·1	41·5	GWtlπ	7·3
8·0	10	7·0	1·7	Cbl	8·3
8·5		13·1	18·8	Cal	8·3
9·4	11	13·6	26·2		9·4
10·0		15·4	10·9		9·5
7·2		20·6	51·5	Gtlπμ	6·8
9·4		33·6	53·9		9·0
8·9		49·1	15·4	Ca	9·2
8·4		52·6	56·8	C	9·0
8·5	12	1·1	37·8	Cb≥l	8·2
9·4	13	11·6	21·3	Cbm	9·0
9·4	14	12·6	0·9		9·1
9·0		18·6	22·9	Cam	9·0
8·0		20·1	3·5	MCm	8·5
9·6	15	1·6	27·7	a	9·0
8·4	16	17·6	12·8	Cb=ml	8·5
8·4	17	5·1	9·2	MCa	8·5
8·7		10·1	19·5	MC–m	8·5
9·0		36·6	8·0	Ca	9·0
9·0		42·1	55·5		9·0
9·0		55·9	59·6	am	9·0
9·0	18	15·6	55·4	a	9·0
7·9	19	22·6	57·9	Ca	8·5
8·0	20	25·6	45·0	Gatlπ	7·6
8·2		26·6	48·4	bm	8·4
8·8		48·6	33·3		8·9
7·8	22	3·3	5·0	C–m	8·2
8·0		31·3	18·5	MC≡m	8·3
	+ 1	25·2	+ 6·1		

8161—8220.

mag.	21^h. m	s	—20° ′		
9·4	23	34·8	4·7		9·4
9·6	24	3·8	4·0		9·4
10·1		43·6	42·6		9·1
10·1	25	12·8	55·2		9·3
8·8		32·8	56·1	Cam	8·9
8·2	26	1·8	50·3	Cam	8·7
9·6		2·3	21·3		9·6
10·1		3·8	36·9	–	9·2
9·2		31·3	13·0		9·3
10·1		49·8	37·0		9·7
9·2		57·0	54·9		9·3
6·4	27	49·8	38·4	GWπμβ	6·2
7·0		52·8	48·3	Glπμβ	7·5
8·4	28	0·0	23·5	C	8·6
10·1		1·6	51·6		
9·4		3·1	42·6		9·4
9·9		3·6	54·7		9·7
9·5		12·9	46·4		9·2
10·0		14·6	32·5		
8·6		15·6	26·9	C	9·0
9·2		35·6	20·7		9·5
9·2		53·6	55·9		9·2
8·8	29	6·0	59·0	Mm	9·1
9·4		12·0	27·3	=	9·4
4·6	30	4·5	1·6	GSπμβ	4·7
9·4		7·0	0·8		9·4
9·5		22·0	5·8		9·4
8·0		33·5	59·5	MCa	8·7
9·0		42·0	10·6	=	8·9
7·5	31	50·0	11·1	b=ml	7·5
9·4	32	53·0	18·1		9·4
9·4		57·0	47·1	CWam	9·1
9·6	33	57·5	18·2		9·5
9·4	34	12·0	54·1		9·4
9·9		12·7	14·2		9·3
9·9		36·5	3·8		
8·0		46·0	22·3	GWtlπ	7·5
8·1	35	58·1	58·9	MC=m	8·5
9·2	36	2·5	17·9	–	9·4
7·1		14·5	11·4	GWlπμ	6·5
9·2		14·5	18·2		9·5
9·4		15·5	22·8		9·5
9·6		36·3	1·7		9·9
9·8		38·0	32·2		9·8
8·4	37	3·5	4·8	Caml	8·6
8·2		3·5	30·4	C	9·0
8·8		33·5	5·9	Cam	9·0
9·2		43·0	10·0		9·4
9·4		51·5	21·8		
9·9	38	3·7	20·7		9·5
8·8		4·5	41·0	Ca	9·0
9·6		35·0	14·0		10·
9·0		57·5	20·0		9·5
9·4	39	54·5	22·4		9·5
9·9	40	7·5	42·0		9·7
10·0		30·5	10·8		9·2
7·8		43·9	9·3	C≡m	7·5
9·6	41	4·9	48·8		9·8
9·0		55·9	14·4	Ca	9·1
8·7	42	3·9	43·6	MC=m	9·0
	+ 1	24·3	+ 6·7		

8221—8280.

mag.	21^h. m	s	—20° ′		
10·0	43	1·9	22·6		9·8
9·2		34·9	17·6	a	9·1
8·7		56·9	46·3	Caml	8·0
8·8	44	17·9	26·1	Ca	8·7
9·4		43·3	42·8		9·2
9·0	45	37·3	23·9	C–	9·1
8·4		44·3	6·6	Cb–ml	8·2
10·0		52·8	24·9		9·6
8·9		54·3	36·4	a	9·0
9·9	46	0·1	55·9		9·5
10·0		23·8	15·9		9·5
9·9		45·8	10·2		9·5
7·7		48·5	35·9	Gatlπ	8·1
8·8	47	16·7	36·1	C	9·3
9·8		18·5	55·7		9·8
9·8		22·0	55·5		9·8
8·8		31·2	57·2		9·5
9·6		31·2	44·6		9·6
9·6		38·2	54·3		9·6
8·7	48	22·9	13·7	C≡	8·5
9·8		30·7	29·8		9·5
9·1		47·9	40·5		9·4
9·8	49	26·2	3·9		9·4
8·6		31·4	2·6	Ca	9·0
9·0		31·7	14·6	C–	9·1
9·4		36·2	37·1	M–	9·0
9·6	50	16·7	12·1		9·8
10·4		25·2	28·3	m	
10·0		47·7	3·2		
9·6		56·7	50·8		9·7
9·5	51	45·9	25·1		9·3
8·2		54·4	12·2	CWb=l	8·5
9·6	52	10·4	52·5		9·5
9·2		16·4	33·3		9·3
8·3		22·9	36·0	CW–	8·7
8·8		23·4	20·5	C	9·1
9·8		32·9	7·5		9·7
9·1		36·4	4·1		9·4
9·4		53·4	55·3		9·6
9·8	53	42·4	54·5		
8·4		57·4	56·6	CWa	9·1
9·6	54	8·9	23·2		9·6
10·0	55	21·4	43·7	?	
9·4		32·4	6·4		9·5
9·6		37·9	15·1		9·4
10·0		45·9	10·7		
10·4	56	3·4	3·7		9·8
10·4		6·2	1·5		
9·0		15·9	42·7	CWa	8·9
9·4		18·4	27·5		9·4
10·0		22·1	8·9		
10·0		41·1	34·3		9·5
9·6	58	4·1	29·5		9·5
10·2		19·6	33·8		9·8
10·4		37·1	41·7		
9·7		43·1	43·8		9·7
10·4		48·6	36·9		10·
8·3		57·1	22·9	CWb	8·2
9·6	59	17·1	5·6		9·3
9·1		55·6	13·2		9·4
	+ 1	23·5	+ 7·1		

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8281—8340.

mag.	21h.–22h. m	s	—20° ′		
10·2	59	59·1	44·1		
9·8	0	9·3	27·9		9·3
9·2		26·8	44·6		9·3
8·1		32·3	10·6	CWbl	7·3
10·0		37·3	9·2		9·6
10·4		43·6	13·8		
8·8		51·8	17·7	Ca	9·0
10·4	1	11·8	5·2		10·
10·4		32·8	29·2		9·8
9·0	2	47·3	29·9	C	8·9
10·4		50·3	44·1		
10·0	3	3·3	36·2		9·7
8·5		3·8	30·8	C	8·8
8·7		22·8	37·9	C	8·8
8·7		53·8	46·4	C	9·0
9·6		59·8	8·8		9·3
9·6	4	11·8	37·8		9·4
10·0		39·8	8·8		10·
9·6	5	15·8	28·7		9·8
10·0		15·8	45·6		9·8
9·5		40·8	43·9	C	9·1
8·8		51·3	43·4	C	9·0
9·2		55·8	18·1		9·4
9·8	6	6·3	55·1		9·8
9·6		10·3	25·0		9·5
9·2		12·5	14·1		9·4
10·4		15·5	30·9		
9·6		26·0	27·1		9·8
9·1		28·5	46·1	C	9·3
9·0		35·5	11·5	C	9·3
10·2		59·5	24·8		9·9
10·0	7	15·0	48·7		
10·3		32·1	41·6		9·8
10·3		49·3	9·4		9·6
10·3*	8	3·7	8·0		9·7
10·4		12·5	35·0		
8·8		12·6	30·8	Cb–ml	8·7
8·6		18·8	17·8	a	9·0
10·2		26·3	46·4		
10·0		27·3	12·7		
8·5		42·3	15·6	Ca	8·9
10·2		55·7	24·6		9·8
8·6	9	18·3	35·6	Ca	9·0
8·6		25·3	38·4	Ca	9·1
9·6		29·3	9·1		9·5
8·4		30·6	16·8	Caml	8·2
9·6		43·8	43·4		9·8
7·3	10	2·8	38·6	Cal	7·7
9·0		32·2	1·4		9·3
9·6		47·8	47·9		9·5
9·0	11	37·3	14·0		9·4
8·5		41·8	53·3	Cbl	8·6
9·0		55·8	51·2	Cb–l	8·4
9·6	12	53·8	6·6		9·2
8·8	13	59·8	33·6	Ca	8·7
10·0	14	48·8	41·0		9·8
8·0	15	10·8	3·8	Caml	7·3
8·5		31·8	48·0	Ck–	8·3
10·3		41·3	11·4		
10·3		51·3	35·0		
25pr.	+1	22·7	+7·4		

8341—8400.

mag.	22h. m	s	—20° ′		
8·6	16	39·8	56·7	Ckaml	8·5
10·3		42·8	46·6		9·5
9·0		42·8	19·6	Ca	8·9
10·3		43·3	43·9		
9·6	17	29·8	10·0		9·6
8·8		55·3	13·6	a	9·1
8·8	18	30·8	39·7	Cam	9·1
9·8		31·3	13·7		9·8
10·3		57·3	44·9		
7·6		57·3	52·2	Gkaml	7·3
8·6	19	6·3	52·2	Ca	9·3
9·8		11·0	58·6		9·5
8·6	20	16·0	57·2	Ca	9·0
10·3		22·3	48·0		10·
8·2		23·3	4·6	Ckaml	8·7
9·6		31·3	29·6		9·4
9·4		47·8	19·0		9·5
9·8		56·3	46·2		9·8
10·0	21	11·3	36·2		9·8
9·5		25·3	49·4		9·6
9·0		35·3	45·2	C	9·1
10·0	22	3·3	31·3		9·5
10·3		44·3	13·5		9·8
9·0		54·3	22·3		9·0
9·0	23	3·3	32·8	C–	8·9
10·3		41·0	3·1		
9·1		47·8	51·8		9·8
10·3	24	0·8	40·9		
9·4		24·8	7·5		9·2
9·0		42·3	42·4	C	9·1
9·5	25	34·8	34·0		9·6
9·6		58·8	15·7		10·
8·5	26	20·5	2·1	Ca	8·3
9·0		24·3	40·9	C	9·1
9·6		45·6	30·2		9·8
9·5	27	10·6	56·3		9·2
8·6		21·0	0·5	Cam	8·7
9·4		22·6	10·7		9·4
10·0		45·6	15·6		10·
8·0		54·6	30·1	CWam	8·5
10·3	28	8·3	50·9		
9·6		51·8	45·2		9·7
9·6	29	3·4	53·7		9·8
10·3	30	33·4	4·7		
8·4	31	9·1	59·5	C	9·0
9·4		26·1	57·4		9·5
9·6	32	51·8	2·1		9·6
9·2		59·4	19·7		9·1
9·0	33	0·4	20·8	C	9·0
9·2		15·9	16·9		9·4
8·8		21·4	39·4	C	8·5
9·6		29·9	55·7		9·2
9·4		32·9	21·1		9·4
9·8		59·9	28·3		9·5
9·4	34	28·4	50·4	C	9·1
10·0	36	14·1	0·5		9·4
8·2		47·5	0·1	Ca	8·5
10·2	37	16·4	31·4		9·5
7·8		28·0	0·6	Ca	8·0
10·2		29·4	9·4		9·8
	+1	21·9	+7·6		

8401—8460.

mag.	22h.–23h. m	s	—20° ′		
9·4	37	42·4	59·0		9·6
10·3	38	7·4	45·7		9·5
10·3	39	9·4	9·3		9·8
10·2		43·4	25·0		9·6
8·8		52·9	55·0	Ca	8·5
8·8	40	6·9	33·6	C–	8·8
9·8		11·4	27·5		9·8
6·4		49·9	15·8	GWlπβ	5·4
8·4	41	35·9	21·2	Gbtlπ	8·5
10·3		52·9	9·2		9·7
8·8	42	29·9	55·2	Wb	9·1
7·1	43	11·9	56·8	CWbl	7·3
10·3	44	5·9	45·6		
10·3		12·9	41·2		9·6
8·6	45	4·9	7·9	Ca	8·3
9·0		53·4	43·9	C=	8·7
10·3	46	2·9	55·2		9·3
10·3		7·4	24·9		9·6
9·8		25·4	42·9		9·5
9·0		40·5	44·0	Ca	9·0
10·2		47·4	44·9		9·8
10·2		53·9	12·4		9·1
10·1	48	0·6	37·2		9·4
10·1		33·2	10·0		10·
7·2		47·2	48·3	GWb≥l	6·3
9·2	49	20·1	20·0		9·2
8·0	50	28·6	13·2	Cb	8·0
7·8		55·0	56·6	CWb≡l	7·5
8·1	51	14·9	29·8	C	8·5
8·7	53	49·9	17·4	Ca	9·0
9·2		54·9	34·4	C	9·1
9·4	54	12·4	40·9	C	9·3
7·6		14·9	1·1	Cal	7·7
9·7	55	12·2	53·0	CW–	9·1
8·7		27·1	6·3	a	8·6
9·2		52·6	23·0		9·2
9·7	56	2·6	38·8		9·6
8·6		8·1	3·3	Ca	8·8
8·8		42·5	46·8	C	8·9
8·5		46·0	8·9	a	9·1
9·8		46·4	27·7		9·2
10·1	57	58·3	17·9		9·8
9·7	58	9·8	17·9		9·5
9·8	59	22·0	33·6		9·3
8·0		59·3	7·9	C=	7·8
8·1	0	15·8	32·5	C–	8·3
9·8	1	43·0	45·1		9·4
10·1	3	2·2	44·7		9·4
10·1		2·6	26·0		9·5
9·4		41·5	8·4	W	9·2
9·8	4	58·3	43·7		9·3
10·2	7	13·7	56·8		
7·0		30·5	22·5	CWK	7·0
10·2		48·4	49·8		9·8
8·0		57·0	41·9	C–	8·2
9·6	8	7·7	42·6		9·4
9·4		23·4	1·3		9·5
8·4		33·7	50·2	C=	8·8
10·0	9	1·2	50·1		9·5
10·2		4·7	59·0		9·8
	+1	20·4	+8·0		

8461—8520.

mag.	23h. m	s	—20° ′		
8·4	9	21·7	58·4	C–	8·8
8·9		23·7	24·8	C–	9·1
8·0	10	2·2	38·5	C	8·6
9·6		48·9	4·6		9·4
9·1	11	8·1	59·3	–	9·4
9·6		21·9	51·1		9·4
9·5		48·9	30·3		9·3
9·8	12	22·9	10·2		
9·5	13	40·9	14·9	C	9·2
10·2		46·4	36·5		9·8
8·4		50·4	42·5	CWa	8·4
10·2	14	47·6	28·8		9·5
8·3		57·8	58·9	C≥	8·5
9·5	15	45·6	36·0	Ca	9·2
8·4	16	10·1	22·1	C=	8·3
10·2		15·6	2·9		9·8
5·7		24·1	46·9	GSlπβ	4·5
9·8	17	9·1	58·8		
9·4	18	1·0	0·7	C	9·0
9·8		2·6	34·6		9·7
10·2		15·2	11·8		9·8
8·8		16·2	58·0	C–	9·0
8·3	19	34·7	3·6	Ca	8·3
9·3	20	2·2	28·6		9·2
9·0	21	10·2	34·4	C–	9·3
9·0		20·2	4·4	C	9·3
8·9		21·2	23·9	C=	8·7
9·5		41·2	51·0		9·6
9·0		53·2	50·4	Ca	9·0
9·6	22	1·4	11·4		9·5
9·0		14·9	4·2	C	9·0
9·1		16·0	51·1		9·3
9·4		40·4	14·0		9·3
9·8		59·9	55·5		9·8
9·1	23	12·9	59·4	Ca	8·9
8·8		32·4	51·5	Ca	8·7
10·2	24	21·0	54·4		
8·4		28·4	10·7	Ca	8·6
9·8	25	24·5	10·6		9·9
10·2		40·5	36·5		9·5
10·2		53·5	34·0		
9·3	26	10·5	30·9		9·7
8·6		25·5	23·8	C	8·8
7·8		32·7	46·5	CWa	8·0
8·8	27	5·0	48·5	Ca	8·8
8·8	28	4·8	51·6	Ca	8·8
9·6	29	15·3	7·6		9·5
9·3		21·8	44·3	C–	9·2
9·6	30	38·6	0·5		9·8
9·3	31	18·0	18·5	C–	9·0
9·4		39·5	14·7		9·4
9·3	33	31·9	8·5		9·4
9·6		41·0	24·7	–	9·2
9·6	34	14·9	14·7		10·
9·0		52·9	46·3	Cb	9·0
8·6	35	14·9	27·0	CWa	7·8
8·6		14·9	51·8	Cb	8·0
8·5		25·4	5·4	C	8·5
9·6	36	15·9	34·0		9·2
8·3	37	15·7	58·2	C=	8·5
	+1	18·8	+8·2		

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8521—8530.

mag.	23h. m	s	—20° ′		
9.6	37	26.4	30.3		9.6
8.8	38	14.9	36.6	C≡	8.8
9.6	39	19.9	34.3		9.5
9.6	40	10.9	5.8		9.7
9.6		12.9	4.4		9.7
9.4		17.4	30.7		9.8
9.3		23.4	13.5		9.4
9.6		26.4	41.3		9.5
8.6		26.9	27.2	C=	8.8
8.2		39.1	3.0	Ca	8.7
25pr.	+ 1	17.9	+ 8.3		

8531—8540.

mag.	23h. m	s	—20° ′		
9.6	41	4.9	48.1		9.1
9.2		29.9	11.9		9.3
9.2	42	32.9	26.0	C=	8.9
9.6	43	21.8	13.1		9.8
9.2		24.3	23.4		9.7
7.2	44	5.8	55.7	Wb=cl	6.8
9.6		44.6	55.8		
9.2	47	8.3	55.1	C	9.0
8.2	48	31.8	44.4	C≥	8.0
9.5	49	6.1	59.3		9.4
	+ 1	17.7	+ 8.3		

8541—8550.

mag.	23h. m	s	—20° ′		
9.2	50	7.4	52.5	C–	8.7
9.2		7.9	29.3	C	9.0
9.5		16.9	24.3		9.0
9.6	52	2.9	59.7	a	9.1
8.8		17.4	43.2	CW–	9.0
8.0		25.9	20.8	C–	8.0
7.4		59.9	43.2	CWa	7.3
8.6	53	8.9	13.4	C	8.8
9.0		31.9	43.8	Ca	9.0
9.0		33.9	11.6	C	8.8
	+ 1	17.2	+ 8.4		

8551—8559.

mag.	23h. m	s	—20° ′		
8.6	53	44.4	6.7	Ca	8.5
9.6	55	6.9	40.1	–	9.2
9.8	56	17.4	5.8	C	9.3
6.9		32.4	44.6	GWtlπ	5.8
9.8	57	9.9	15.9		9.4
9.5		56.4	20.5		9.2
9.0	58	12.4	8.0	Ca	8.8
8.4		29.4	6.5	Ca	8.8
9.2	59	22.4	21.5	C–	9.0
	+ 1	17.0	+ 8.4		

ZONE — 21°.

1—30.

mag.	0h. m	s	—21° ′		
9.0	0	23.3	46.4		9.0
9.8	2	0.3	43.6		9.0
7.4		36.3	54.0	Ca	7.1
9.6	4	2.8	4.8		9.4
7.8		56.3	56.7	Ca	7.8
9.8	5	18.8	16.0		9.5
7.2	6	56.0	18.8	Cb–l	6.8
6.8	8	0.8	53.1	GCal	7.0
9.4	9	28.5	46.8		9.5
9.4		35.8	6.7		8.8
9.2	10	10.5	17.9		8.8
8.8		53.5	10.4		9.1
9.6	11	37.7	0.2	C	9.2
6.4		57.5	49.9	Gal	6.7
8.6	12	4.0	54.4		9.2
9.6		42.0	9.3		9.7
9.8		53.0	14.3		9.4
9.4	13	4.0	41.0		9.1
9.8		11.5	38.1	C	9.1
9.0	16	38.5	20.8		9.1
9.6	17	4.8	0.1		9.8
9.0		8.6	23.3	Ca	9.1
9.4		38.1	25.6		9.4
9.8	20	7.1	35.3		9.1
7.8		35.1	21.3	Ca	8.2
8.4		47.1	12.2	Ca	8.6
9.8	21	47.1	59.1	C=	9.0
9.8		47.1	35.2		9.3
9.8	22	2.5	19.9		9.6
6.5		4.0	1.4	GWbl	6.3
25pr.	+ 1	16.1	+ 8.3		

31—60.

mag.	0h. m	s	—21° ′		
9.6	23	12.6	45.2		9.3
9.4	25	0.6	38.2		9.1
9.4		1.6	3.4		9.2
10.0	26	39.5	13.2		9.7
9.4	27	6.5	33.0		9.1
9.4	28	52.2	1.1		9.0
7.8	29	51.8	26.8	Cal	7.5
9.4		55.5	33.8		9.2
9.6	30	15.0	47.1		9.3
9.1		41.5	13.0		9.1
9.8	31	13.0	9.1		10.
9.4		13.5	48.1		9.1
10.0		39.0	26.2		9.8
8.8	32	0.5	52.9	Ca	8.6
8.6		1.5	13.5	C	8.7
10.0		3.0	12.1		9.7
10.0		8.5	22.4		9.7
8.8		16.5	58.2		9.1
9.8		17.1	0.1		
8.2		30.5	43.6	Ca	8.6
10.0		38.0	2.9		9.5
8.6		48.0	58.0	Ca	8.7
8.8	34	11.5	40.6	C	9.0
9.6	36	12.5	5.6		9.8
8.4		25.4	2.2	Ca	9.0
8.7		32.5	2.7	C	8.8
8.8		41.0	18.6	C	8.7
8.4	37	33.0	45.2	C–	8.7
8.3		41.0	5.0		9.0
9.2		43.5	45.8	–	9.2
	+ 1	15.0	+ 8.3		

61—90.

mag.	0h. m	s	—21° ′		
10.0	38	1.0	13.6		9.5
9.4		3.0	13.6		9.4
8.1		39.0	1.2	Ca	8.5
10.0	39	0.5	25.9		9.8
8.2		25.0	35.5	Ca	8.7
8.8		32.0	54.1	C	9.0
8.5		59.5	20.6	C	8.5
10.0	40	5.0	1.2		
10.0		6.5	40.1		9.5
10.0		36.5	52.2		9.8
8.8		58.5	33.0	C–	8.9
10.0	41	12.5	17.2		9.4
10.0		47.5	45.1		9.4
9.2	42	36.0	13.9		9.3
10.0		48.0	22.6		9.8
7.4		55.5	49.9	Cal	7.0
9.2		58.5	35.0		9.0
10.0	43	2.5	50.6		
8.6		31.5	48.6	Ca	8.5
10.0		32.5	30.2		9.5
10.0		52.5	16.7		10.
9.4	44	15.0	31.4		9.3
9.4		20.0	50.9		9.5
8.6		44.0	33.4	Ca	8.6
7.6	46	2.5	47.2	Cal	7.3
7.7		20.9	40.4	Cal	8.0
10.0	47	9.5	17.4		
8.4		45.4	58.2	Ca	8.5
9.6	49	39.2	12.2		9.5
9.0		43.6	32.0		9.1
	+ 1	14.3	+ 8.2		

91—120.

mag.	0h.–1h. m	s	—21° ′		
8.0	49	54.3	22.8	Cal	7.8
9.6		54.7	2.9		9.6
9.6	50	54.6	59.0	C	9.1
9.6	51	23.2	22.2		9.3
7.6		49.2	21.0	Cal	7.2
8.1	52	1.2	51.3	Ca	8.2
8.6	53	45.2	7.9		9.0
8.7		56.7	44.1	Ca	9.0
9.4	55	52.7	47.9		9.2
9.4	56	11.2	5.1	C	9.1
9.0		33.2	12.5	Ca	9.0
9.3	58	22.2	33.7		9.0
8.6		35.7	39.4	Ca	9.0
7.5		42.7	24.1	Cal	7.6
9.4	0	25.2	41.9		9.5
9.6		33.5	21.9		9.8
9.6		48.5	38.5		9.9
9.3	1	11.0	11.6		9.5
9.4		22.0	8.3		9.4
9.0		33.0	3.7	C	9.0
9.6		51.5	44.1		9.5
9.4		53.0	19.1	C	9.2
9.6	2	20.0	57.9		9.5
9.2	4	24.8	12.1		9.2
9.4	5	1.8	46.6		9.1
9.4		25.8	5.9	a	9.1
9.6	6	23.7	9.6		9.8
7.4		29.7	7.2	Cal	7.3
8.2	7	46.7	10.6	Ca	8.1
9.6	8	33.0	2.2	a	9.2
	+ 1	13.4	+ 8.1		

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121—180.

mag.	1h m	s	−21° ′		
9·6	8	43·8	44·9		9·4
9·8	9	33·6	1·6		9·2
8·6		35·9	33·3	C	8·8
9·7	10	35·9	44·2	C	9·1
9·0	11	49·4	53·1	Ca	9·0
9·2	12	36·4	14·6	Ca	9·0
9·7		44·4	10·0		9·5
8·8	13	54·4	34·4	b	8·9
8·0	14	1·9	7·7	Cal	7·3
9·3	16	33·4	30·2	C	9·0
9·7		44·9	49·9		9·3
7·8		50·4	23·4	Ca	7·8
8·0	17	2·9	46·8	Cal	8·0
9·4	18	7·9	21·1		9·1
8·2		38·4	44·9	Ca	8·8
9·6	21	0·9	21·8		9·1
7·8		1·9	8·4	Cal	6·8
7·0		23·4	0·2	GCal	7·0
7·6	22	1·9	4·9	Cal	7·5
8·2	25	9·4	45·8	Ca	8·7
9·8		13·9	56·1		9·4
8·6	26	16·0	20·8		8·9
8·8		52·1	43·8	C	8·2
9·8	27	33·0	10·4		9·2
7·4		52·5	40·3	Cal	7·8
9·2	29	18·3	41·8	Ca	9·2
9·6		21·0	8·6		9·1
8·1		21·6	50·3	Ca	8·5
9·2		56·1	47·6		9·1
8·0	30	8·6	9·4	Ca	7·8
8·8		48·8	18·8	Ca	8·9
5·5	32	53·3	54·8	GCal	6·0
8·8	33	51·8	9·1	Ca	8·5
9·6	34	27·3	38·7	C	8·9
9·2		43·3	6·7	a	9·0
9·2	35	18·3	58·4	C	8·7
9·6	36	58·8	58·1		9·3
9·2	37	4·8	57·8		9·2
7·8	38	25·6	12·8	Cal	7·6
9·6	40	26·1	34·4		9·1
9·6	41	24·6	38·4	C	9·1
9·6		38·6	5·9		9·5
7·5		43·1	27·9	GCbl	6·4
9·6	42	11·3	1·4		9·2
7·9		29·1	15·8	Cbl	8·5
8·6		52·6	37·5	C	8·9
9·6		58·6	30·8		9·4
9·6	43	4·1	15·9		9·3
9·4		8·6	16·1		9·2
8·8		51·6	1·5	C	8·7
8·8	44	13·6	22·8	C	9·0
9·4	45	43·1	48·7	C	9·0
9·6	46	24·3	57·6	C	9·0
8·0		30·1	13·6	C	8·3
8·4	47	9·4	35·1	C	8·6
9·0		37·6	51·7	Ca	8·8
10·0	48	16·1	52·7		9·3
9·6		44·4	52·8		9·2
8·7	49	34·6	25·0	C	8·3
7·4		54·0	10·3	Cbl	7·3
	+1	11·8	+7·7		

181—240.

mag.	1h.–2h. m	s	−21° ′		
9·4	50	56·5	48·5		9·2
10·0	51	6·5	51·4		9·2
9·3		13·0	36·9		9·2
9·2	52	49·0	27·2	C	8·5
7·2	53	2·0	44·5	Cbl	7·4
9·8		22·0	10·1		9·1
7·0		53·0	25·9	GSlπβ	6·0
10·0	54	4·5	16·7		9·3
5·4		7·0	41·0	GSlπβ	4·1
10·0		37·5	6·4		9·2
9·6	55	8·0	30·5		9·0
8·2		25·5	30·1	Ca	8·4
10·0	57	10·0	36·5		9·3
8·2		56·0	57·7	C	8·4
10·0	58	54·0	8·5		9·3
10·0	59	2·5	33·3		9·1
9·0		9·7	3·7	C	9·0
9·3		11·7	6·8		9·1
9·8		28·2	11·4		9·5
9·6	1	46·4	59·1		9·4
8·6		48·7	24·3	C	8·7
7·6	2	9·7	56·6	Ca	7·9
8·6		52·7	41·8	Ca	8·8
9·8	3	32·7	20·0	C	9·0
8·8	4	16·2	21·2	C	8·8
8·0	6	12·7	26·0	Cal	8·2
8·4		22·5	39·0	Cbl	8·2
10·0		43·7	47·5		9·4
10·0		53·7	38·8		9·4
8·7		55·1	36·1	GC	8·7
8·4		59·6	47·0	C	8·7
6·3	7	11·6	35·2	GCbl	6·2
10·0		20·7	47·0		9·1
9·8		21·4	34·6		9·4
8·6	8	15·3	7·3	Ca	8·5
9·5		56·5	21·2		9·3
7·8	9	56·8	54·1	Cal	7·9
8·0	10	20·4	35·2	Ca	8·4
9·2		28·4	49·1		9·2
8·0		45·9	42·0	Cal	8·0
9·8	11	14·9	32·0		9·3
9·8	13	42·3	11·2	C	9·1
8·6		49·3	33·8	C	8·5
8·2	14	19·3	24·0	Cal	8·0
9·2	16	42·8	40·8	C	9·0
9·8		43·3	49·7		9·4
9·0	17	6·3	4·0		9·2
8·3	19	25·8	11·9	C	8·6
8·3		58·9	52·5	Ca }	8·5
8·6		58·9	52·8	C }	
9·2	20	40·4	31·3	Ca	8·9
9·2	22	28·9	54·8		9·2
9·0		31·4	41·2		9·1
9·0	23	10·4	45·3	Ca	8·8
6·8		31·9	35·7	GCa	7·0
9·2		46·6	59·6		9·0
9·4		47·9	48·2		9·1
8·2	24	12·9	24·4	Ca	8·5
8·6		17·2	26·6	Ca	8·9
9·2		18·2	45·6		9·3
	+1	9·8	+7·1		

241—300.

mag.	2h m	s	−21° ′		
9·6	24	30·2	9·9		9·3
9·4		57·2	11·3		9·3
9·4	25	36·2	27·8		9·5
9·5		39·7	11·7		9·4
9·8		46·2	44·9		9·6
9·8	26	41·2	26·8		9·6
10·0	27	11·9	18·0		9·4
9·9	28	48·5	41·2		9·4
7·2	30	16·8	57·1	GCal :	7·0
8·0		34·0	54·5	Cal	8·2
8·8		54·0	3·8	C	9·2
7·7	31	3·0	18·7	Cbl	8·2
9·0		6·0	50·3	a	9·0
9·8		30·0	43·7		9·3
9·0		35·5	12·3	C	8·9
9·9		49·5	1·9		9·5
8·6	32	53·0	34·7	Ca	8·0
7·9	33	19·0	25·4	Ca	8·3
9·4		54·5	46·9		9·3
8·0	36	1·0	42·4	C	8·2
8·6		46·8	59·9	Cal	8·3
8·6		54·0	4·2	Ca	8·5
9·6	38	1·5	6·8		9·4
9·8		10·5	19·8		9·2
9·2		14·5	36·3		9·1
9·3		23·7	3·4	C	9·0
10·0		48·7	22·2		9·9
9·6	39	59·7	40·6		9·4
9·0	40	4·7	23·8	Ca	8·9
9·2	41	3·7	36·3	C	9·0
9·9	42	0·7	46·5		9·4
7·4		56·2	20·4	Cal	7·7
9·6	43	5·2	27·3		9·4
9·8		5·7	25·7		9·4
9·6		21·7	21·2	a	9·3
9·0	44	52·7	5·4	Ca	9·1
10·0		53·2	16·7		9·5
9·9	45	15·2	19·2		9·4
5·8		21·7	31·3	GSlπβ	5·0
8·6		30·7	56·6		8·5
7·8	46	5·7	48·3	Ca	8·3
8·0	47	5·2	44·7	Ca	8·1
10·0		35·7	33·2		
9·8	48	6·0	2·8	C	9·1
7·5		47·0	26·1	C	7·8
7·5	49	4·2	42·1	Cal	8·1
8·6		9·5	43·0	a	9·1
8·2		12·0	27·9	Cb	8·8
8·4	50	0·5	56·0	C	9·0
8·4	51	23·0	55·5		9·1
7·7		30·5	45·1	Ca	7·6
9·4	53	45·5	13·8	Ca	9·0
8·0		46·5	17·2	Cal	8·0
9·6	54	7·0	44·0		9·3
7·8		31·5	18·0	Cal	7·3
7·8	55	8·5	11·4	Ckal	7·3
9·2		13·5	20·4	Ca	8·9
9·4		16·0	13·7	a	9·0
9·6		23·0	37·8		9·3
9·8	57	36·4	25·2		9·3
	+1	8·3	+6·4		

301—360.

mag.	2h.–3h. m	s	−21° ′		
7·5	58	8·5	51·0	Ckbl	7·5
9·8		20·5	35·0	a	9·1
8·4		24·5	12·4	Ca	8·5
9·0		45·0	33·8	a	9·1
9·0		46·5	2·6	Ca	9·0
8·0		58·5	53·9	Cbl	8·2
8·2	59	50·5	36·1	Ca	8·5
9·8	0	17·0	26·1		9·5
8·9		38·5	19·2		9·2
9·5		51·5	30·5		9·5
8·2	1	38·0	7·7	Cal	8·0
8·5	2	41·5	39·9	Ca	8·7
9·6		48·5	30·0		9·2
9·5	3	5·0	54·9		9·6
9·0	4	38·3	1·9	Ca	8·8
8·9	5	29·5	52·4	C	8·9
8·2	6	23·5	15·8	Cal	7·8
9·2		37·0	50·2		9·3
6·5		38·5	5·5	GCal	7·0
9·8		48·4	52·1		9·5
9·6	7	6·4	8·6		9·5
9·8		22·9	7·4		
10·0		29·8	7·6		
9·2	8	24·7	42·6		9·4
9·2		27·9	3·7		9·2
10·0		33·8	24·7		9·8
9·0		44·0	45·0		9·5
9·8	9	36·8	4·7		9·4
10·0	10	8·8	35·0		
9·4		18·8	17·3	a	8·9
9·2		23·8	29·5		9·2
10·0	11	4·3	51·1		9·9
9·4		32·3	33·4		9·3
9·2		36·8	8·5	C	8·9
9·2		46·8	35·7		9·1
8·8		48·8	30·4		9·1
9·6	12	20·3	53·6		9·4
9·6		22·8	34·1		9·4
10·0		32·8	56·2		9·8
9·4		52·8	45·1		9·2
10·0	13	22·3	21·4		9·6
9·6		34·3	9·4		9·5
9·0	14	24·3	18·2		9·1
9·8		27·8	22·3		9·4
9·4		28·3	42·4		9·5
9·2	15	6·3	5·0		9·4
8·8		22·3	4·2	C	9·1
8·5		28·3	33·2	a	9·0
9·6		38·3	25·0		9·4
9·4		55·3	54·6	a	9·0
9·8		56·1	25·2		9·5
9·2	16	20·6	20·0		9·4
7·6		42·1	32·8	GCbl	7·0
9·0	17	11·1	32·0	Ca	8·8
9·4		55·1	59·2		9·0
10·0	18	5·6	2·0		
7·3		33·1	22·4	CWal	7·2
10·0		49·1	40·5		9·8
7·4	19	39·1	30·8	Cal	7·8
10·0		41·6	35·0		
	+1	7·1	+5·6		

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361—420.

mag.	3h. m	s	−21° ′		
10·0	20	9·6	8·9		
9·2		41·6	12·9	C	8·9
9·2		46·1	18·7		9·4
9·6		51·6	11·6		9·5
9·6	21	13·6	3·9		9·1
9·6		13·8	58·8		9·4
8·4	22	13·1	50·0	–	8·9
9·4		30·6	22·9	a	9·0
9·6		44·8	0·0		9·4
10·0	23	2·6	16·3	a	9·5
8·3		44·1	48·2	Cbl	7·8
7·8	24	6·6	51·2	Cal	8·3
9·6	25	22·6	19·4		9·5
10·0	26	4·6	29·5		9·4
9·2		13·3	45·0		9·1
7·8		32·3	40·4	Ca	8·5
9·8		51·3	2·0		9·0
10·0		53·3	43·9		9·3
10·0		59·3	57·8		9·7
9·6	27	4·3	3·4		9·3
8·6		25·1	12·3	Ca	8·8
10·0		25·3	22·3		9·5
10·0	28	12·4	24·1		9·3
10·0	29	0·4	43·5		9·6
9·8	30	2·4	28·4		9·5
9·5		25·4	51·6		9·2
9·7		57·4	3·3		9·0
8·6	31	53·4	18·6	Ca	8·8
9·7	32	53·4	9·6	Ca	8·8
9·4	33	12·4	43·5	–	8·9
9·4	34	6·4	15·2	Ca	8·8
9·7		26·4	15·4		9·3
10·0		36·7	2·2		9·1
8·8		57·4	47·0	Ca	8·6
8·0	36	31·9	38·2	Cal	8·0
9·0		52·9	4·9		8·8
8·6		55·4	31·1	–	9·0
8·6	37	17·0	58·0	a	9·0
10·0		24·5	49·2		9·5
9·7	38	5·0	2·0		9·1
9·7		28·0	23·4		9·2
9·4		37·0	57·4		9·0
8·6		51·5	30·0	C–	7·8
9·2	39	9·5	18·2		9·4
8·6		9·5	53·8		9·1
8·6		17·5	41·4	–	8·8
9·4		24·2	58·1		9·3
8·0		27·7	58·8	C–	8·3
8·6		40·7	41·8	–	9·0
9·0		58·2	37·2		8·8
9·8	40	21·2	27·2		9·5
8·4		25·2	22·4	Ca	8·7
9·8		32·2	49·9		9·4
8·6		35·2	28·6	a	9·1
8·7		49·7	13·0	Ca	8·7
9·4	42	18·7	42·3		9·3
10·0		21·7	54·0		9·4
[illegible]·7		39·7	57·8	C–	7·8
[illegible]·2	43	5·2	17·2	CWal	5·7
9·0		19·2	41·0	C	9·0
spr.	+1	6·2	+5·0		

421—480.

mag.	3h.–4h. m	s	−21° ′		
10·0	43	30·7	12·0		9·7
8·4		50·2	15·5	Ca	8·8
9·8	44	13·2	7·8		
10·0		26·2	42·1		9·5
8·6	45	5·2	2·0	a	9·0
10·0		34·9	50·9		9·3
7·2	46	1·9	39·2	GC–	6·6
8·6		22·4	36·2	–	9·0
9·7		31·9	35·9		9·3
9·7		51·4	26·9		9·3
8·4		58·4	32·6	C=	9·0
10·0	47	2·4	36·3		9·5
8·4		6·8	11·9	C	8·8
10·0		44·6	42·6		9·8
8·3	48	0·7	23·1	C–	8·3
9·9		48·2	33·9		9·4
10·0		51·6	27·2		9·2
8·4	49	8·5	3·2	CWa	8·5
10·0		12·5	23·4		9·7
8·8		40·2	39·4		9·0
10·0		47·7	36·4		9·5
8·4		54·2	56·4	Cb–l	8·3
10·0	50	0·2	4·8		9·7
8·2		11·7	57·8	Cal	8·3
8·7		44·2	10·1	a	9·1
8·4		44·7	2·8	a	9·0
9·4	51	6·7	17·8		9·3
9·9		36·7	31·2	a	9·2
9·8	52	22·7	53·2		9·4
9·2		34·7	52·1	a	8·9
10·0	53	16·1	23·2		9·4
9·8		26·1	20·4		9·5
9·3		56·1	58·1	a	9·1
9·9	54	33·6	19·1		9·5
9·6		42·1	18·8	a	9·0
9·1		46·1	40·7		9·1
8·0	55	25·2	4·0	Cal	7·5
8·6		30·7	50·8	C	8·3
8·7		41·7	29·7	GW	8·7
8·6		47·2	40·9		8·8
9·3		49·2	41·2		9·5
7·7	56	27·2	22·2	CWal	7·0
7·5	57	16·7	4·3	Cal	7·8
7·7		49·2	45·9	Cb–l	7·6
8·6	58	49·2	41·4		8·6
9·8		50·7	37·8		9·6
9·2		59·7	25·8		9·0
8·4	59	5·5	48·4	b	8·8
9·2		31·0	10·3	Ca	8·5
8·2		43·5	47·7	Cb–l	7·5
9·4	1	5·5	56·2		9·1
9·3		6·0	10·0	a	9·1
9·3		12·5	31·9		9·2
10·0		19·5	41·2		
10·0		25·5	19·9		
10·0		27·5	14·6		9·5
9·9		28·0	5·2		9·4
10·0		47·0	27·6		
8·0	2	54·0	27·7	Cb–l	8·2
8·6	3	20·9	51·6	Ca	8·7
	+1	5·6	+4·4		

481—540.

mag.	4h. m	s	−21° ′		
9·1	3	31·4	15·5		9·5
8·2		41·1	2·2	Gbtlπ	8·5
10·0	4	3·9	23·0		9·8
9·9		16·9	22·6		9·3
9·6		35·0	49·7	a	9·1
9·8		50·5	3·7		9·5
9·6	5	20·5	18·4		9·4
9·1	6	0·0	29·9		9·1
9·3		9·5	3·3		9·4
7·8		17·5	44·4	Cbl	8·2
9·6		19·0	25·9		9·5
9·6		21·0	4·4		9·1
10·0		26·0	34·3		9·4
10·2		51·5	35·8		
10·2	7	3·5	58·4		
8·4		26·5	41·4	Ca	8·5
9·9		56·0	27·4		9·3
9·5	8	4·0	36·9		9·6
10·2		31·5	9·7		
8·7		40·7	23·9		9·0
8·8		57·4	8·4	C	9·0
8·5		58·7	2·6	C	8·5
9·6	9	9·0	46·0		9·5
10·2		22·5	10·7		
9·0		40·0	16·3		9·1
9·2		42·5	6·1		9·5
9·2		42·5	23·0		9·3
9·9		49·0	26·9		9·4
10·2		50·5	26·3		
10·0	10	2·7	45·0		9·8
10·2		13·7	21·9		
8·8		38·0	58·5		9·0
9·0		41·2	31·0		9·0
8·6	11	3·0	1·4	Cbl	8·5
9·6		44·2	9·7		9·5
8·7		51·2	19·3		9·0
10·2		52·2	2·0		
8·3	12	12·7	33·4	C	8·1
10·0		45·2	45·6		9·5
10·0		46·7	11·2		
7·4		48·7	1·3	GCbl	6·2
8·3	13	1·2	3·2		8·8
9·4		9·2	25·8	a	9·1
10·2		22·2	41·7		9·4
9·6		41·2	29·5		9·3
9·4	14	21·8	59·2		9·2
9·0		27·0	0·3		9·0
10·2		42·2	53·0		9·8
9·1		42·7	39·6		9·2
9·0		56·7	42·6		9·2
9·7		58·2	49·7		9·5
7·8	15	0·3	38·0	Cal	7·3
8·8		2·3	31·0	al	8·7
9·6		4·8	37·4		9·1
7·8		40·3	32·7	Cal	7·2
9·4		52·8	22·4		9·4
9·0		54·3	55·2		9·1
8·6	16	1·3	13·0	Ca	8·3
9·2	17	4·3	28·6		9·4
10·2		5·8	13·0		
	+1	5·1	+3·9		

541—600.

mag.	4h. m	s	−21° ′		
9·9	17	14·3	34·4		9·8
8·8		25·3	3·1		8·5
9·1		29·3	53·6	a	8·9
8·8		45·3	54·5	a	8·9
10·2		52·8	55·5		
9·1	18	6·3	39·2		9·1
10·2		15·3	44·0		
10·2		42·8	50·9		9·8
9·6	19	12·8	46·6		9·3
10·0		17·8	25·8		
8·2		36·3	29·9	C	7·7
9·2		46·3	42·8		9·2
9·7		55·8	31·2		9·5
10·2	20	4·3	12·9		9·5
8·0		5·8	15·2	C	8·5
9·1		20·8	36·0	b	9·0
9·0		31·8	24·2		9·0
9·5		34·3	46·2		9·5
8·8		59·3	47·6	a	8·8
8·4	21	0·3	14·7	C	8·3
8·8		13·0	57·0		9·2
9·5		23·8	42·1	a	9·1
9·4		51·8	52·0		9·3
9·5		57·3	55·1		9·4
10·2	22	5·8	30·7		
9·8		15·8	55·0		9·8
6·8		31·8	47·0	GCal	6·7
10·2		32·7	59·7		
9·7		45·3	27·3		9·5
10·2	23	1·3	32·2		
9·2		21·8	7·1		9·2
9·7		48·3	6·3		9·5
8·2		57·3	42·3	Cal	8·4
9·5	24	6·8	48·7		9·3
9·0		10·8	15·8		9·0
10·2		17·3	47·0		9·5
9·5		18·3	53·0		9·6
10·2		18·8	5·0		
10·2		27·8	41·2		
9·2		30·8	1·1	C	9·0
8·6		43·8	7·3		8·8
10·2	25	3·8	56·8		9·9
8·4		8·3	10·0	Ca	8·4
7·2		23·8	38·7	Cbl	7·6
7·6		25·8	6·2	Ca	7·8
10·2		37·6	44·6		
9·9		50·6	27·0		10·
10·2	26	2·1	0·6		
10·2		6·6	39·7		9·6
10·2		13·1	9·9		9·4
8·5		17·6	16·5	a	8·5
8·8		30·6	29·8	Ca	8·2
9·0		31·6	40·7	a	8·9
9·0	27	5·6	35·1	a	9·0
10·2		6·1	52·0		
9·5		27·1	15·8		9·8
10·2		36·1	16·0		
8·8		41·2	24·7	a	8·8
8·8		51·6	9·6		8·8
9·9		51·6	43·1		9·1
	+1	4·8	+3·4		

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601—660.

mag.	4h. m	s	—21° ′		
8·8	27	51·9	23·5	a	9·0
10·1		52·6	43·8		
8·8		56·1	38·3	a	8·6
9·9		56·1	50·4	a	9·4
10·2	28	46·1	5·4		9·5
9·4		52·2	54·9	a	8·8
7·4	29	39·2	0·2	Cbl	7·5
8·6		56·4	1·4	Cbl	8·5
7·7	30	22·2	35·8	Cbl	7·5
7·6		53·7	34·4	Cbl	8·0
8·8	31	4·4	1·8		9·1
10·0		17·2	32·2		
9·8		18·2	12·8		9·8
9·6		20·2	19·9		9·2
9·7		51·8	59·1		9·4
8·6	32	3·2	53·9		9·0
9·7		13·2	34·8		9·5
8·6		46·3	5·6	Ca	8·8
8·6		55·3	38·2		9·0
9·7	33	6·4	15·9		9·8
9·4		7·3	6·1		8·9
8·7		22·8	39·9	a	8·8
9·4		48·8	32·8		9·2
9·4	34	2·3	52·1		9·3
8·2		11·8	29·2	a	8·9
7·6		13·8	29·7	Cal	7·3
10·2		27·8	3·0		9·5
10·0		27·8	2·0		9·6
9·4		46·3	21·2	a	9·1
8·7	36	20·8	36·1	a	8·7
10·1		35·8	4·1		9·5
9·4		43·8	5·9		9·1
9·0		49·8	50·0	a	9·1
7·6	37	7·8	12·7	Cbl	7·3
10·3		19·3	28·1		
9·4		55·3	28·8		9·5
10·3	38	0·3	26·9		9·7
10·1		5·8	30·0		9·7
8·2		12·8	1·9	C	8·9
10·3		20·3	15·0		
8·6		21·8	40·7	C	8·6
8·0		40·0	20·4	Cbl	7·6
8·4		41·5	55·6		8·7
9·4		45·5	46·6		9·1
10·2		54·5	15·8		9·8
9·4	39	27·0	39·0		9·4
7·2		41·5	30·8	GStlπ	5·5
10·2		57·5	27·8		9·8
7·8	40	51·0	41·4	Cbl	8·5
10·3		51·4	30·6		9·5
9·2		58·5	38·1		9·4
9·8	41	5·5	23·4		9·4
9·4		22·5	26·5		9·2
9·2		28·0	19·9		8·8
8·2		30·5	54·9		8·8
7·6		35·0	26·2	Cal	7·0
7·7	42	22·8	2·1	Cal	7·8
10·2		32·0	40·9		9·7
10·2		40·0	19·2		9·8
8·2		52·5	8·1	Cal	8·5
25pr.	+ 1	4·5	+ 3·0		

661—720.

mag.	4h. m	s	—21° ′		
9·2	43	7·5	54·8		9·3
10·0		16·0	20·9		9·5
9·4		18·0	43·3		9·3
9·4		27·0	35·9		9·5
9·4		41·0	6·7		9·4
10·1		57·0	11·9		9·5
8·7	44	32·0	10·5		9·0
9·2	45	2·0	20·6		9·3
8·9		35·5	28·5	a	9·1
8·9	46	0·5	20·9	Ca	9·0
9·8		55·5	55·3		9·6
10·0		57·3	2·1		
10·2		59·0	13·9		
10·0	47	3·5	50·9		9·7
9·2		5·5	56·1		9·1
8·6		6·0	7·5	a	8·8
8·4		14·0	46·9	a	8·8
9·7		16·5	3·5		
9·9		30·8	42·4		9·5
9·0		42·8	35·3		9·0
9·3		52·9	23·8		9·4
10·0		58·7	3·6		
8·9	48	2·8	52·2	a	8·5
8·9		13·8	44·6	Cb	8·5
9·8		20·5	34·9		9·5
10·0		20·5	14·5		9·8
9·5	49	7·3	35·9	a	9·1
10·0		27·6	39·0		9·7
8·7		32·1	22·3	C	8·9
8·8		33·6	23·4		9·1
9·5		53·6	42·7		9·6
9·8	50	9·1	34·1		9·4
9·4		13·6	32·6	a	9·2
10·0		56·1	24·9		9·7
9·4	51	8·1	53·8		9·3
10·0		13·1	19·3		
9·4		23·6	16·9		9·4
9·0		28·1	32·2	a	9·2
9·0		32·1	31·9	a	9·1
9·9		43·1	36·7		9·7
9·9		52·1	25·3		10·
9·3		54·1	29·5	a	9·2
9·3		59·6	18·0		9·4
10·0	52	15·1	18·1		
9·6		35·6	53·2		9·5
10·0	53	24·1	29·9		9·6
10·0		38·6	29·6		
10·0		40·6	9·3		9·5
9·3		46·6	11·3		9·6
9·3		56·6	16·9	C	9·1
9·7	54	2·1	53·7		9·5
9·6		24·6	34·9		9·0
9·5		28·1	40·5		9·5
10·0		32·6	55·8		
10·0		33·6	41·5		
8·8		53·7	4·1	C	8·8
9·8	55	20·2	35·5		9·6
10·0		36·7	48·6		9·9
9·0		49·2	10·3		8·9
8·0	56	10·2	51·0	Cbl	8·2
	+ 1	4·2	+ 2·5		

721—780.

mag.	4h—5h. m	s	—21° ′		
10·0	56	12·7	17·4		9·4
10·0		31·7	5·4		9·8
10·0		51·2	9·5		
9·9		51·7	35·3		
9·6	57	0·7	46·5		9·4
9·4		2·2	42·3		9·4
8·8		8·2	25·7	C	8·2
9·8		9·2	44·7		9·5
8·8		22·7	35·9		9·0
8·0		22·7	16·5	Cb	8·0
9·4		29·7	16·7		9·4
9·2	58	9·7	31·1		9·3
9·4		10·7	37·7		9·1
9·3		11·7	43·6		9·2
10·0		40·2	6·3		
9·3		52·4	57·9	b	9·1
10·0		56·7	48·1		9·5
8·2	59	1·7	18·7	Cbl	8·5
10·0		10·7	42·5		9·9
9·6		12·2	25·4		9·5
9·7		20·7	50·5		9·5
8·0		21·2	23·5	Cal	7·5
10·0		44·2	53·7		9·5
7·6		56·7	25·7	Cal	7·7
8·6	0	13·7	35·5	Ca	8·6
8·3		36·2	19·3	C	8·5
8·6		46·7	3·4	C	8·5
9·9	1	25·7	5·9		10·
9·6		28·2	26·5		9·5
9·8		30·2	45·1		9·3
10·0		38·2	43·6		
8·9	2	22·7	38·3		9·2
8·2		46·7	38·0	Cbl	8·4
9·4		49·2	47·7		9·1
9·7		51·2	5·4	a	9·2
9·6	3	7·7	56·3		9·5
9·5		11·2	13·9	a	9·2
8·6		41·1	55·6	a	9·0
9·5		41·7	22·9		9·5
10·0		50·6	34·2		
9·4		52·1	11·6		9·5
8·9	4	7·6	58·0		9·3
10·0		35·6	13·3		9·8
10·0		43·6	58·3		10·
9·6		56·1	15·6		9·8
8·9		59·6	55·8	Ca	8·7
9·5	5	7·1	42·3		9·6
9·6		7·6	46·6		9·6
9·2		11·1	15·0		9·3
10·0		20·1	34·8		
9·9		43·1	49·2		10·
8·8		45·6	39·0		9·0
8·9		49·9	2·8		9·0
9·2	6	9·6	27·1		9·4
9·6		12·1	33·1		9·5
9·9		12·1	43·4		9·7
9·4		19·1	18·8		9·4
10·0		27·1	48·8		
9·4	7	6·6	31·8		9·1
10·0		12·1	9·6		
	+ 1	4·1	+ 2·1		

781—840.

mag.	5h. m	s	—21° ′		
10·0	7	21·6	32·1		
9·4		31·1	50·6		9·2
10·0		36·6	7·6		9·8
10·0		37·6	23·9		9·4
10·0		38·1	54·3		
10·0		58·1	31·2		
9·7	8	29·1	27·2		9·7
7·5		45·4	47·8	GCbl	7·5
8·9		49·4	47·6	G	9·0
9·4	9	2·9	48·4		9·5
9·5		6·6	0·6		9·6
9·2		8·1	57·5		9·1
9·0		25·6	44·8		9·3
10·0	·	30·6	3·0		9·8
10·0		48·1	23·3		9·8
8·9		53·9	46·7		9·2
8·0	10	16·9	20·3	C	8·3
9·5		21·6	39·4		9·7
10·0		28·1	2·2		
10·0		30·9	23·6		
7·7	11	10·2	14·4	Cbl	7·8
8·7		36·7	24·0	G	8·8
9·4		51·2	14·9		9·5
9·2		59·9	11·1		9·3
9·6	12	13·9	52·9		9·7
7·7	13	0·5	57·6	Cbl	7·7
9·0		4·9	0·8	Cal	8·3
8·4		43·4	15·6		9·0
4·6	15	6·4	21·9	GCbl	5·0
7·5		33·9	10·0	Cbl	8·0
8·4		44·4	48·6	C	8·6
10·0		54·9	23·6		9·6
9·6	·16	10·4	29·4		9·6
9·6		12·4	20·9		9·3
9·8		37·9	57·3		9·5
10·0	17	2·4	58·7		9·4
8·7		23·9	55·1	a	9·0
9·4		45·7	2·8		9·4
9·8		50·9	2·4		9·5
8·8	18	1·3	19·8	Ca	8·9
9·2		14·8	12·2	a	9·2
9·8		15·8	24·5		9·3
9·8		22·3	44·0		9·4
9·1		55·3	14·2	Ca	9·0
9·4		59·3	55·7		9·3
9·6	20	20·3	22·7	a	9·1
9·6		27·8	22·8	a	9·2
9·2	21	29·3	46·5	a	8·8
9·8		40·8	25·2		9·4
7·8	22	15·8	1·3	Cal	8·3
7·3		16·8	29·0	GCal	6·1
8·2	23	1·3	14·5	C	8·8
9·2		11·8	47·8	a	9·0
7·5	24	11·3	8·5	Cbl	7·7
9·0	25	29·1	30·1	C	8·0
9·0		36·6	40·4	C	8·5
8·7		39·1	13·3		8·9
8·7		48·6	26·7	C	8·8
9·8	26	24·1	51·1		9·1
9·2		27·6	2·9		9·0
	+ 1	3·9	+ 1·6		

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mag.	5h m	s	—21° ′		
9·0	26	32·6	53·5		9·2
9·0	27	5·6	23·5	C	8·8
9·8		35·1	6·1		
10·3		36·4	2·0		9·5
9·0		36·4	17·4		9·0
8·6		36·4	6·6	Cal	8·5
9·0		36·5	50·6	C	8·9
10·2		54·1	59·4		
9·0		56·1	59·1		9·2
10·2	28	3·9	49·5		9·8
9·9		18·4	6·2		10·
10·2		25·4	33·0		
9·8		28·1	47·2		
8·7		33·4	15·6	Cbl	8·4
9·3		48·4	37·1		9·0
9·0	29	2·9	3·3		9·2
10·4		3·5	31·6		
9·2		8·9	29·2		9·1
9·7		20·4	46·4		9·7
9·6		26·4	55·1		9·8
9·7		27·4	19·8		
8·4		36·9	9·1	Cbl	7·5
8·9		57·4	53·0		9·1
10·3	30	18·5	33·3		
9·8		43·4	25·8		9·5
10·2		47·9	1·0		9·6
9·2	31	6·4	26·9	a	9·4
9·8		10·4	16·7		9·8
9·1		17·4	40·2	a	9·2
10·1		22·9	31·9		
9·2		23·4	42·1		9·5
10·2		47·1	59·6		9·8
10·3	32	26·0	22·2		
9·0		30·0	41·9	a	9·0
10·4		42·0	49·1		
9·4		53·0	22·7	a	9·2
9·3		55·0	8·2		9·4
10·4	33	2·0	1·7		
9·3		3·0	19·2	Ca	9·0
9·6		4·0	45·7		9·6
10·0		4·0	6·0		
10·4		6·0	44·3		
9·3		19·0	19·2		9·4
10·4		20·0	26·9		
9·2		41·0	14·9		9·2
9·8	34	20·0	13·5		9·5
9·2		21·0	41·1		9·0
9·2		32·0	21·5	a	9·5
9·0		32·5	6·3	C	9·0
10·0		36·0	17·9		
9·7		42·0	55·9		9·4
9·8		54·5	50·1		9·5
9·3	35	5·0	2·9	a	9·1
9·8		14·0	9·4		
10·0		18·0	19·0		
9·7		20·0	18·6		9·3
9·0		20·5	17·7	Ca	8·5
10·4		23·1	57·5		9·3
10·3		27·5	29·7	?	
8·1		41·5	36·5	C	7·8
	+1	3·8	+1·1		

901—960.

mag.	5h m	s	—21° ′		
9·8	36	3·5	14·2		9·5
9·4		5·5	35·6	a	9·2
9·8		12·5	40·1		9·4
9·4		30·0	55·3		9·5
9·8		35·5	20·2		9·4
9·8		47·5	27·0		9·8
10·4		56·0	43·9		
9·8	37	0·5	29·1		
10·3		2·2	55·1		
9·6		11·2	36·2	a	9·2
9·4		11·2	26·2	b	9·1
10·2		17·2	37·8	:	
8·8		32·2	5·8	C	9·0
10·1		45·7	18·2		
9·2		47·2	31·0		9·3
9·8	38	0·6	1·0		9·5
10·3		1·4	38·2		
10·2		6·7	47·1		9·7
8·0		27·2	29·1	GCal	6·7
7·8		31·2	20·2	Cal	7·2
9·1		36·1	1·5		9·0
10·0		37·2	51·4		
10·3		43·2	31·1		
9·3		44·7	58·5		9·5
10·2		50·1	1·8		
9·7		55·7	52·2		9·5
10·4		57·7	14·2		
9·6	39	11·2	50·2		9·5
10·0		17·2	52·9		
9·8		18·2	5·0	:	9·5
10·1		19·2	43·4		
8·8		30·2	33·8	Ga	9·1
6·5		32·2	42·8	GCal	7·2
9·2		36·2	45·0		9·0
9·8	40	0·0	56·8		9·8
10·0		16·2	30·4		
9·8		36·2	31·7		9·8
9·7		48·2	5·4		
9·8		58·2	54·8		
10·3	41	0·2	21·6		
8·8		1·2	52·9	a	9·0
8·9		2·2	48·0	a	9·0
9·4		13·0	0·0		9·9
9·3		14·2	20·2		9·1
10·1		15·7	30·4		
8·3		18·7	4·2	Cal	8·0
10·4		21·7	26·2		
8·3		25·2	52·5	Ca	8·7
10·0		32·1	23·8		
9·8		48·6	59·0		
10·4		52·1	57·0		
9·6		52·6	36·0		
8·8		53·1	35·3	Cbl	7·9
10·1		56·6	46·1		
10·2	42	2·1	50·8		
10·1		2·6	40·2		9·6
9·8		15·1	24·4		10·
9·6		19·6	13·0		10·
9·8		21·1	23·1		
9·4		22·1	55·0		10·
	+1	3·7	+0·8		

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mag.	5h m	s	—21° ′		
8·8	42	27·1	9·5	Ca	8·7
9·3		35·6	42·8		9·0
10·2		47·1	57·6		
10·0		49·1	20·4		
9·6		51·6	0·0		9·8
10·1		54·6	45·0		10·
8·9	43	1·1	51·6	a	9·1
10·1		2·6	31·6		
9·4		47·1	53·0		9·5
9·1		51·1	26·4		9·4
10·1		51·1	50·2		
10·4		51·6	56·2		
8·8	44	16·1	42·8	a	9·1
9·1		17·1	16·7		9·4
9·8		21·1	31·4		
9·3		31·9	46·9		
8·9		34·1	40·2	a	9·0
9·0		41·9	26·6		9·0
10·3	45	1·1	2·6		
9·7		1·4	55·6		9·7
10·1		2·9	50·7		
9·7		4·9	48·4		
10·1		10·4	52·1		
9·7		16·4	18·0		9·7
10·4		17·4	19·6		
8·6		20·4	53·6		9·0
10·4		37·9	3·7		
9·6		41·4	43·3		9·7
10·3		49·4	48·6		
10·4		52·2	42·4		9·7
9·8		59·9	47·1		
9·2	46	1·7	37·5		9·4
10·2		4·2	32·7		
9·8		11·2	6·7		
9·0		18·7	39·4	C	8·4
9·8		22·7	13·5		9·5
10·0		24·7	42·1		
10·3		31·7	15·2		
10·3		39·2	38·6		
9·8		50·7	2·9		9·5
8·4		58·2	53·6	C	8·3
10·0	47	4·7	6·7		9·5
9·2		5·2	33·0		9·0
9·0		15·7	41·6	Ca	9·0
9·8		19·6	42·0		9·7
10·0		22·7	46·1		
10·1		24·7	38·4		
9·6		31·7	59·8		9·5
10·4		32·7	24·5		
10·4		36·7	25·9		
9·8		43·6	18·9		9·5
9·6		46·7	32·0		9·3
9·0		58·2	50·5	a	8·9
10·3	48	6·7	17·4		
10·3		21·2	14·9		
10·4		44·2	10·8		
10·0		54·3	46·9		9·7
10·6	49	6·0	36·7		9·7
9·8		22·5	46·6		9·6
8·6		25·0	18·2	Ca	8·5
	+1	3·7	+0·5		

1021—1080.

mag.	5h m	s	—21° ′		
9·9	49	58·0	9·6		9·8
8·6		59·0	27·1		9·2
10·4	50	34·8	59·0		9·8
7·6		35·0	42·4	GCbl	7·0
9·6		40·0	24·1		9·0
8·8		46·0	2·3		9·2
10·4		48·5	9·8		
7·0		51·0	8·6	GCbl	7·0
9·9		54·0	5·5		9·5
8·2		56·5	30·7	Cbl	8·3
9·2		56·5	27·8		9·2
9·9	51	1·5	40·8		
9·1		3·5	40·5		9·1
10·3		11·0	46·3		
8·6		34·5	48·0		8·8
8·7	52	2·0	4·6	C	8·6
10·5		34·0	23·2		
10·6		40·0	1·9		
8·4		42·5	29·7	C	8·8
10·5		53·1	27·2		9·8
8·0	53	15·6	33·3	Cbl	7·8
10·2		31·6	33·0		
9·9		53·6	27·8		
9·2	54	0·6	23·3		9·5
9·9		6·6	46·4		
10·2		15·1	59·1		10·
10·4		28·1	58·3		9·8
9·2		41·6	0·4	a	9·2
8·4		41·6	25·2	C	8·2
9·6	55	2·6	15·8		9·8
10·4		14·6	6·0		
10·2		27·1	8·0		
8·2		30·6	9·2	Ca	8·5
8·7		31·6	0·8		} 8·0
8·0		32·0	0·6	Ca	}
8·0		32·8	56·8	Cal	8·4
10·0		38·6	44·5		9·9
9·2		51·1	25·0		9·1
10·0		58·6	56·2		10·
10·2	56	4·6	5·4		
9·2		10·6	20·5		9·4
8·2		42·6	48·2	Ca	8·5
10·6		48·6	57·6		
10·5		57·6	3·0		
10·5		58·6	24·4		
9·2	57	4·6	55·0		9·3
9·6		24·6	45·6		9·7
10·6		26·6	43·6		
9·6		31·6	17·2		9·5
9·5		32·1	42·4		9·6
8·8		32·6	48·3	a	9·1
10·6		43·6	47·0		
10·6	58	5·1	24·0		
7·8		7·1	47·0	Cbl	7·6
8·7		9·1	40·1	Ca	8·7
10·6		24·6	59·9		
9·2		24·6	50·0		9·4
9·2		46·6	17·0		9·3
10·0		48·1	28·2		} 9·6
10·0		49·6	28·1		}
	+1	3·6	+0·2		

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1081—1140.

mag.	5^h.–6^h. m	s	—21° ′		
10.2	58	50.6	27.6		
9.4	59	6.4	42.7		9.3
10.4		8.9	37.4		
10.6		16.4	24.8		
9.6		19.4	27.2		9.5
9.9		20.9	54.3	a	9.4
10.6		26.4	31.8		
10.5		34.4	35.9		
9.0		36.4	40.9	Ca	9.0
9.9		43.9	53.9		
9.6		50.4	42.9		9.6
10.5		54.9	56.2		
10.5	0	2.4	31.2		
10.6		3.5	1.8		
10.6		10.4	2.6		
10.2		24.4	49.3		9.9
9.9		33.4	24.4		9.4
10.5		34.4	48.4		
9.5		44.4	11.6		9.5
10.5		57.2	2.0		
10.0		58.4	29.3		10.
9.9	1	1.4	29.5		10.
9.2		11.4	35.1		9.4
10.0		16.4	12.6		
10.5		38.9	47.0		
7.8		40.4	47.9	G—	6.1
9.2		40.9	13.1		9.1
10.0		53.9	21.4		9.5
8.6		56.4	30.9	C	8.5
8.4	2	3.9	11.0	C	8.3
9.8		16.9	10.0		9.5
9.6		18.4	37.1		9.4
10.6		32.2	24.8		
10.6		39.9	30.1		9.8
9.2	3	0.4	18.5		9.4
10.6		6.9	17.6		
8.9		6.9	56.1	a	9.2
10.6		11.2	37.4		
9.4		27.4	43.3		9.5
9.6		54.9	22.4		9.2
9.2		59.4	42.9	C	9.1
9.2	4	13.4	12.2		9.2
9.5		20.3	43.7		9.6
9.5		21.3	53.6		9.8
9.2		24.3	59.7	a	8.9
10.2		27.8	25.3	?	
10.5		31.8	8.4		
10.2		34.8	10.3		
9.4		34.8	11.2		9.1
10.0		38.3	13.0		9.6
10.6		40.1	8.9		
9.8		50.8	30.4		
9.8		53.3	9.0		9.5
10.2		59.8	26.0		10.
9.1	5	9.8	24.4		9.3
10.6		9.8	1.1		
10.5		11.3	23.7		
8.9		18.3	49.1	C	8.7
9.5		19.3	44.4		9.7
9.6		21.3	1.1		9.7
25 pr.	+1	3.6	−0.1		

1141—1200.

mag.	6^h. m	s	—21° ′		
10.6	5	25.3	16.1		
10.0		39.3	0.6		9.8
10.5		47.8	54.9		
9.1		50.8	34.9	C	9.4
10.5		59.3	24.4		
10.2	6	1.8	28.1		
10.5		4.8	1.5		
9.1		11.3	47.9		9.6
8.0		17.8	26.6	GCa	8.8
9.2		20.3	12.7	GCa	9.1
10.4		30.8	23.0		
9.2		47.8	59.8	Ga	9.3
10.2		53.8	35.8		
10.5		59.3	5.3		
8.8	7	13.8	28.0	GCa	8.9
9.4		24.0	43.1	Ga	9.4
9.5		32.0	6.6		9.5
9.2		32.2	59.9	G	9.5
10.2		40.0	13.8		
10.6		40.3	48.1		
10.6		44.3	13.1		
10.2	8	2.0	44.2		
10.1		4.7	59.9		9.8
8.0		9.0	14.0	Ca	8.2
9.2		10.2	9.5		9.5
9.2		11.7	7.9		9.5
10.1		13.9	55.8	}	9.7
10.0		15.9	55.9		
10.2		22.4	21.9		
9.6		30.7	45.9		9.8
10.2		38.9	58.7		
10.0		41.7	13.2		
9.6		56.2	15.9		
9.6	9	10.7	26.9		9.5
10.0		20.2	45.8		
10.2		30.7	30.2		
10.0		33.7	25.2		
9.8		35.2	18.5		9.8
9.8		42.2	4.4		9.4
8.9		53.2	6.0	Ca	8.6
8.9	10	2.7	14.2	Ca	9.0
8.8		9.7	35.5		9.3
9.8		16.7	24.9		10.
9.8		18.7	24.9		9.8
10.2		27.1	1.3		
10.0		27.7	22.9		
9.2		40.2	7.1	a	9.2
8.8		42.7	49.4		9.1
9.8		47.2	14.1		9.9
10.2		55.2	57.7		
10.1	11	23.2	55.1		
9.4		42.2	7.7	a	9.0
9.2		46.2	37.2		9.5
10.0		57.7	40.1		
8.6	12	1.2	41.9	a	8.5
9.8		9.7	52.7		
8.8		22.2	42.7	Ca	8.9
9.6		22.2	5.7		
9.8		27.2	5.0		10.
10.0		36.2	10.7		
	+1	3.7	−0.3		

1201—1260.

mag.	6^h. m	s	—21° ′		
10.0	12	36.2	15.3		
10.1		56.2	21.9		
9.8	13	2.2	38.9		
9.3		2.3	17.4		9.4
10.2		4.2	11.7		
10.2		11.7	56.9		10.
9.6		22.2	49.8		
10.0		23.4	0.4		9.5
9.0		28.2	55.3	Cal	8.8
8.9		28.7	3.9		9.1
10.2		36.2	41.9		
7.6		41.7	59.2	Cal	8.1
10.2		45.2	44.9		
9.0		52.2	41.5		9.2
9.8		58.2	10.0		9.5
9.8	14	11.7	28.8		9.7
9.8		12.2	47.5		9.5
8.8		33.2	35.9		9.1
9.2		49.2	16.2		9.4
9.8		51.2	24.5		
10.2		55.2	32.1		
9.8		55.9	23.1		
10.0		57.9	27.9		
10.0	15	5.9	20.3		
9.8		37.9	27.9		
9.1		39.9	52.1		9.3
10.2		43.9	25.1		
9.8		46.9	27.1		9.4
8.9		50.9	15.3	C	9.0
10.2	16	7.9	42.1		
8.8		9.9	27.2	C	8.9
10.0		9.9	3.6		9.5
9.4		38.9	53.4		9.9
9.6		46.9	32.9		
10.1		47.8	43.1		
9.8		52.9	33.9		
9.5	17	11.4	3.7		9.4
9.0		16.9	22.3		9.5
10.1		19.9	19.8		
9.0		19.9	37.7		9.4
9.4		25.9	35.6		9.8
9.2		26.9	1.9		9.3
10.2		42.9	39.5		9.8
10.1		56.9	34.1		
10.2		57.9	21.8		
9.6	18	0.4	2.2		
8.6		7.9	10.1	Ca	8.5
10.2		9.9	30.4		
10.1		15.9	33.7		
10.1		15.9	20.0		
9.2		29.9	50.6		9.6
9.5		31.9	35.0		
9.2		31.9	32.3	C	9.1
9.6		41.9	33.4		
9.4		49.1	57.2		9.5
9.1		56.9	10.7		9.1
10.0	19	2.4	26.9		
8.6		8.4	54.5	a	9.2
9.0		13.4	24.6		9.5
9.6		14.4	14.8		9.5
	+1	3.7	−0.6		

1261—1320.

mag.	6^h. m	s	—21° ′		
10.1	19	19.2	51.7		
10.2		20.2	20.9		
9.0		25.7	5.2		9.2
10.2		37.2	57.4		
8.0		45.7	53.5	Cal	8.2
9.3		57.2	15.9		9.8
9.8		57.2	42.7		
9.3	20	5.7	25.0		9.8
9.0		16.7	16.1	a	9.1
9.6		25.3	12.3		9.5
10.2		27.3	32.9		
8.7		29.3	23.7	Ca	9.0
10.0		40.3	32.2		
8.3		41.7	28.2	Ca	8.5
10.1		42.2	13.9		9.5
9.3		43.7	32.1		9.7
9.0		47.7	34.8		9.4
10.2		55.2	42.0		10.
10.2		55.7	42.7		
9.8		56.7	47.8		9.9
9.5	21	2.7	49.9		9.2
9.2		10.7	16.5		9.4
9.2		14.5	2.9		
10.1		23.2	55.5		
9.5		25.7	43.2		
10.0		28.2	12.5		
9.0		31.7	50.9	—	9.2
8.0		49.7	28.6	GCa	8.0
9.6		51.7	17.5		
9.5		52.2	9.3		9.5
9.3		59.2	27.3	a	9.2
9.1	22	5.2	24.0	a	9.2
9.6		11.7	56.3		9.7
9.6		11.7	51.4		9.7
10.0		15.7	42.9		
10.0		16.7	2.7		
10.2		25.7	28.9		
10.0		33.2	45.9		
9.2		36.2	22.3		
10.1		38.2	10.1		
9.3		40.5	9.7		10.
10.2		42.5	54.3		
8.7		44.5	43.1	Cbl	8.2
9.2		48.0	6.0	a	9.4
9.0		50.5	8.7	a	9.4
8.6		55.5	55.6	Cal	8.0
10.2		59.5	5.5		
10.1	23	5.5	55.8		9.8
10.2		14.5	0.7		
10.2		19.6	37.4		
9.0		35.5	23.6	a	9.1
10.2		38.0	44.3		9.5
9.4		43.0	7.4		9.8
9.8	24	10.0	15.5		10.
10.2		13.5	37.2		
10.2		15.0	14.5		
8.6		20.5	38.7	Ca	9.0
9.0		25.5	18.6		9.8
10.2		25.5	41.2		
9.5		29.0	15.8		9.5
	+1	3.7	−0.8		

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1321—1380.

mag.	6h m s	−21° ′		
10·2	24 31·0	9·5		
9·2	35·5	41·9		
10·2	35·5	58·3		10·
8·9	38·5	25·9	Ca	9·0
10·2	39·5	34·2		
9·8	42·0	4·0		
9·6	42·5	56·8		9·7
9·3	42·5	1·9	a	9·5
10·2	25 8·2	59·9		
10·1	15·5	39·5		
9·4	21·5	25·9		9·8
10·2	32·6	43·7		
9·2	33·0	20·4		9·5
10·0	35·5	43·7		
9·8	38·0	21·2		9·6
10·1	39·7	1·8		
9·8	41·6	42·1		
9·4	43·5	28·7		
10·2	45·4	32·8		
9·5	46·4	47·9		9·7
10·2	47·9	15·6		
10·0	51·9	41·8		
10·2	52·4	13·3		
7·4	26 10·4	19·1	GCal	6·8
8·4	11·4	57·1	Ca	8·3
10·0	55·4	41·9		
10·0	27 1·4	45·9		9·7
9·1	4·9	9·6		9·5
9·0	5·4	14·4	Ca	9·1
10·2	16·4	51·9		
10·2	18·7	54·0		
9·5	30·0	1·8		
10·4	33·2	23·8		
9·8	34·7	7·4		10·
10·4	57·0	24·2		
10·4	57·2	17·8		
8·9	28 17·9	44·4		9·3
9·4	36·6	31·7		9·8
9·1	42·1	53·1		9·2
7·9	47·6	26·4	Ca	7·9
10·4	53·9	39·0		
9·8	29 2·9	11·9		
8·8	26·9	15·1	a	9·0
9·2	28·4	2·1	b	9·1
9·8	41·4	50·5		9·5
8·1	41·9	53·9	C–	8·7
9·0	47·8	18·6	Ca	8·7
9·4	53·5	27·4		9·5
9·3	55·9	15·8		9·7
9·2	59·9	11·6		9·4
9·2	30 8·6	1·6		9·4
10·4	32·4	43·8		
10·1	35·4	40·8		9·9
10·1	41·6	57·3		
9·6	52·4	25·9		9·8
9·2	52·9	35·5		9·4
10·0	53·9	7·7		9·7
9·3	56·9	11·1	Ca	9·0
10·0	31 16·1	0·9		9·7
9·4	21·9	13·4	a	9·4
pr.	+1 3·8	−1·0		

1381—1440.

mag.	6h m s	−21° ′		
9·4	31 26·9	7·4		9·3
8·8	33·9	17·6	Cb	9·0
10·1	35·9	23·2		9·8
10·3	37·9	9·4		
10·2	38·4	33·8		
9·4	48·4	31·8		
10·0	48·4	9·7		9·5
10·2	32 2·9	10·4		
9·0	11·9	51·0	Ca	9·0
9·0	31·9	40·1	Ca	8·9
9·0	37·9	16·0	a	9·2
9·0	48·9	19·3		9·3
9·8	48·9	7·1		9·8
9·2	51·9	59·8		9·8
9·4	58·4	49·5		
9·5	33 3·7	0·7		9·5
9·0	6·9	35·5	Ca	9·2
9·1	14·4	43·7	a	9·0
8·9	30·9	11·1		9·0
9·6	33·4	59·4		9·5
9·8	38·9	13·7		9·9
8·2	34 10·4	40·4	Ca	8·4
10·3	11·9	10·3		
10·2	18·4	24·9		
8·6	20·4	12·8	a	9·0
9·3	25·9	26·9		9·4
10·4	34·4	43·1		10·
9·0	36·9	29·0	a	8·8
9·6	39·4	42·2		10·
9·3	43·9	9·8		9·5
10·2	55·4	53·5		9·5
7·8	35 5·9	16·6	Cal	7·5
10·1	12·9	18·5		
10·4	19·9	53·3		10·
10·3	23·9	47·4		
10·3	35·9	48·6		
9·6	36·2	2·9		9·8
8·9	42·2	1·5	a	9·3
9·6	43·9	13·1	a	9·4
10·3	51·9	32·9		9·6
9·0	36 1·4	5·0	a	9·0
9·2	8·4	37·6	C	8·8
9·3	10·9	41·7		9·2
8·1	10·9	59·3	Cal	7·8
9·5	45·8	51·0		9·5
9·0	49·8	10·1		9·4
9·6	37 5·8	7·7		9·8
9·5	10·3	4·7	a	9·1
10·4	13·3	32·1		
9·6	15·3	38·8		9·8
9·6	27·8	48·1		
9·8	27·8	47·5		9·4
9·6	28·8	37·7		9·7
10·4	32·8	32·8		
10·0	49·8	24·9		10·
7·2	55·8	44·3	Cb	7·4
8·3	38 0·8	36·6	Ca	8·1
9·3	1·8	44·8		9·5
9·6	6·8	32·3		
10·1	11·8	22·2		
	+1 3·8	−1·3		

1441—1500.

mag.	6h m s	−21° ′		
10·2	38 24·8	29·6		9·5
10·3	25·8	28·8		
9·6	30·3	43·3		10·
9·2	32·8	27·7		9·5
10·1	44·6	2·5		9·5
9·6	55·8	0·4		
9·8	39 2·8	9·0		
9·0	8·8	9·8	C	9·0
8·8	13·8	6·2		9·1
8·5	14·8	9·0	C	9·0
9·8	25·3	59·8		9·7
10·0	27·8	13·8		9·4
9·1	28·8	38·2		
10·1	35·6	57·5		10·
10·3	37·3	17·1		
10·3	37·8	24·8		
9·4	37·8	34·6		9·4
9·4	55·3	5·1		
9·2	40 2·8	16·8		
10·3	23·3	7·1		
10·1	26·3	21·6		
9·8	32·8	18·2		
8·6	33·3	35·1		9·3
9·6	35·8	44·5		9·4
9·2	41·8	20·7		9·5
9·3	43·3	53·1		9·3
10·1	44·3	49·0		
9·2	46·3	45·5		9·1
9·5	53·8	18·9		
10·0	54·8	36·0		
9·8	55·8	19·1		
10·4	41 1·8	59·7		10·
10·1	16·8	7·0		
9·4	25·8	36·5		9·3
10·0	27·8	2·8		
9·6	29·3	6·9		9·5
10·4	32·8	13·3		
9·2	32·8	14·1		
9·8	39·8	38·8		
9·3	47·3	54·0		9·8
10·4	47·8	35·3		
9·4	48·8	32·5		9·3
9·6	48·8	15·3		9·3
8·6	51·8	31·9	C	9·1
10·1	55·8	24·7		
9·0	42 12·3	21·1		9·3
10·1	17·3	44·9		
9·4	21·3	44·8		9·7
9·6	31·6	56·8		9·2
9·6	32·6	57·4		
8·9	35·8	22·5		9·3
9·3	36·8	20·2		9·3
9·2	38·6	12·0		9·4
8·6	42·3	24·9		9·1
9·8	42·3	7·6		
9·6	49·8	41·8		
10·3	55·3	10·7		
8·8	57·8	46·2	Cb–l	8·3
9·3	59·3	27·3		9·4
9·4	43 4·3	7·8		9·8
	+1 3·9	−1·5		

1501—1560.

mag.	6h m s	−21° ′		
10·4	43 9·8	40·4		
9·2	30·4	47·9		9·2
9·8	32·9	45·8		9·7
10·4	36·4	42·4		9·6
9·6	47·4	33·1		9·5
10·2	56·4	35·0		9·7
9·0	44 2·4	53·2		9·2
9·2	12·4	2·4		
9·8	13·9	52·8		9·7
8·1	14·4	2·6	Cbl	8·4
9·8	17·4	14·0		
10·0	18·4	33·8		
10·2	18·8	57·1		
10·3	19·6	5·1		
10·4	29·9	37·8		
10·4	35·4	30·4		
10·4	39·4	59·5		
9·8	45·4	6·7		9·5
9·3	50·4	44·4		9·7
9·4	50·4	46·6		9·7
10·3	52·4	24·6		
9·6	52·4	45·1		9·7
9·4	45 17·4	12·8		9·5
10·2	19·4	51·2		
9·2	20·4	32·3		9·5
9·3	24·9	56·4		9·5
10·2	29·4	23·4		
10·4	35·4	19·4		
9·0	39·4	45·8		9·1
10·4	45·9	25·1		9·8
9·0	49·4	36·6		9·4
10·4	46 9·9	29·7		
10·2	11·4	43·1		
9·4	11·4	24·5		
9·0	11·4	16·1		9·8
8·6	12·4	48·0	C	9·0
10·2	18·7	48·1		
10·4	19·7	3·2		
9·4	26·5	57·3		9·9
9·5	37·2	18·0		9·2
10·1	40·7	43·7		9·5
10·0	45·2	48·3		9·8
10·4	54·2	35·0		
9·6	58·2	8·9		
10·4	47 0·2	9·5		9·9
10·2	2·2	14·9		
10·1	3·7	54·7		10·
9·2	11·2	36·7		9·5
9·3	11·7	47·2		9·4
7·4	19·7	2·1	Cbl	7·8
10·1	21·4	45·8		
10·4	27·7	24·0		9·7
10·3	33·6	2·5		
9·8	35·4	12·4		9·5
8·2	39·7	41·0	Ca	8·5
9·6	43·0	8·0		9·5
10·3	47·0	21·1		
10·2	52·4	47·8		
10·3	48 1·2	51·1		
9·6	2·7	30·0		9·8
	+1 4·0	−1·7		

1561—1620.

mag.	6h. m s	—21° ′		
8·5	48 10·7	54·3	Ca	8·6
9·2	21·8	58·4		9·2
9·8	21·9	28·6		9·6
10·4	23·2	19·5		9·8
8·4	31·2	43·6	Ca	8·0
10·4	40·9	18·1		
9·0	48·2	20·3		9·0
9·4	51·7	25·8		9·4
9·8	49 3·7	46·1		
9·5	7·2	4·9		9·8
10·2	12·2	16·1		
9·5	18·7	51·5		9·8
8·8	25·7	42·8	Ca	8·7
9·4	29·2	28·9		9·5
9·7	33·2	22·3		9·5
9·4	36·7	16·3		9·8
8·6	52·2	42·8	Ca	8·7
10·3	55·2	12·7		9·8
9·8	57·7	6·0		9·5
9·3	58·7	41·2		9·8
10·4	50 2·2	20·4		9·8
7·2	14·7	52·7	Ca	7·2
10·2	20·2	57·6		
9·2	31·7	33·5		9·4
10·0	32·7	20·6		
9·5	36·7	6·3		9·8
10·4	41·7	9·3		
8·6	43·2	20·6		9·0
9·7	47·9	0·5		
10·4	55·2	37·1		
10·2	56·7	43·2		
9·0	51 0·2	32·1		9·3
9·8	9·7	11·4		9·8
10·4	15·7	19·7		
10·3	18·7	52·2		
9·4	19·7	9·5		9·5
9·3	21·7	13·5		
10·4	23·2	51·2		
9·5	23·7	6·0		9·5
9·4	36·7	23·4		9·7
9·2	37·2	33·2		9·7
9·9	40·7	23·7		
8·7	42·7	3·3		9·2
9·0	47·7	0·6		9·6
10·2	48·7	43·5		
9·4	50·2	48·4	a	9·5
10·4	52·7	28·8		
9·4	55·9	2·3		9·6
9·4	58·2	1·8		9·7
9·0	52 0·7	35·1		9·3
9·4	1·7	47·0		9·5
10·3	3·2	35·4	}	9·4
10·2	3·2	35·7		
10·4	6·2	5·9		
9·6	8·2	51·5		9·9
10·2	12·2	30·9		
10·2	20·7	11·7		
10·4	21·2	8·7		
9·4	22·7	10·3		9·7
9·9	26·2	51·3		
25pr.	+ 1 4·0	—1·8		

1621—1680.

mag.	6h. m s	—21° ′		
10·4	52 27·2	25·9		
8·6	32·2	46·2	a	9·1
9·4	34·7	10·5		9·7
10·2	35·2	4·6		
10·3	36·7	48·3		9·5
10·4	38·1	21·5		
9·0	40·2	13·2		9·3
9·1	42·7	21·9		9·0
9·6	47·0	59·4		
8·6	49·2	42·1	Ca	8·7
10·4	52·2	53·1		
9·1	52·2	33·8		9·7
9·5	55·2	33·7		9·7
9·9	59·7	32·0		
10·2	53 5·2	20·7		
9·0	7·7	52·3	a	9·2
9·8	16·2	20·1		
10·0	18·2	54·7		
10·4	44·7	48·0		
9·6	49·7	30·7		10·
9·0	53·2	0·0	Cbl	8·5
8·5	53·2	12·5		9·0
9·2	53·7	24·5		9·0
9·3	59·2	13·4		9·5
9·8	59·7	8·0		
10·4	54 3·2	44·9		9·8
10·4	7·1	57·5		
9·8	9·7	8·3		
9·3	15·2	44·6		9·8
9·9	15·7	42·3		
6·4	19·2	25·8	GCbl	6·7
10·4	22·1	29·0		
9·8	34·2	10·2		9·5
9·4	34·2	5·8		9·5
9·8	35·2	6·9		
9·8	37·2	48·6		9·8
8·8	43·7	37·9		9·2
8·9	48·7	5·8		9·3
9·7	48·7	40·1		
9·6	51·7	58·2		
9·7	55 0·7	54·7		9·7
6·9	0·9	56·8	GCal	6·7
10·4	1·7	38·1	×	
10·4	5·7	5·3		
9·7	13·7	32·6		9·8
10·4	15·7	6·6		
9·4	20·2	30·2		9·4
9·7	22·7	9·8		9·8
9·3	27·2	24·3		
10·0	32·1	3·0		10·
10·4	32·1	55·3		
10·4	42·1	57·7		
9·8	44·1	24·4		
8·3	45·1	47·4	Ca	8·1
9·8	52·6	28·2		
9·2	53·1	7·6	a	9·0
10·2	56·6	53·4		
10·4	57·6	2·8		
9·5	56 5·6	48·2		
10·2	6·1	6·2		
	+ 1 4·0	—2·0		

1681—1740.

mag.	6h. m s	—21° ′		
10·4	56 8·1	30·8		
10·2	8·1	33·9		9·6
9·9	12·1	33·9		
10·4	16·2	23·7		
10·4	18·6	48·3		
10·4	29·1	16·2		
9·6	37·1	44·5		9·8
8·7	38·1	11·0	Ca	8·4
9·4	38·6	39·3		9·8
10·4	39·1	48·2		10·
10·2	40·6	10·4		
9·8	42·1	47·8		
9·7	48·1	32·9		
9·4	54·1	58·1		9·7
10·0	55·6	18·1		10·
8·6	57 4·6	38·8		9·1
8·4	4·6	33·3	C	8·6
10·2	5·1	43·3		
9·4	6·1	48·3		9·4
8·8	21·6	50·8	C	8·2
8·7	22·1	18·3	a	9·1
9·9	25·1	2·5		9·8
8·9	28·1	4·2		9·2
10·3	43·6	56·4		9·8
10·3	44·6	34·9		
9·2	49·6	15·5	a	8·7
10·4	52·6	1·9		9·5
10·4	58 6·1	9·5		
10·0	7·1	3·7		
9·9	12·6	22·0		
10·3	14·6	49·5		
9·9	16·1	1·7		
8·6	18·1	44·1	C—	8·2
9·5	22·1	32·8		9·5
9·5	25·6	30·7		9·5
9·6	26·6	27·4	a	9·3
9·4	27·1	0·7		
10·2	29·6	19·1		
10·0	38·1	38·8		9·3
10·2	40·1	12·3		
10·2	40·6	49·9		
10·3	41·1	9·9		
8·5	41·6	35·3	Ca	8·8
10·4	43·1	44·9		
10·3	45·6	17·0		
8·0	52·1	5·0	Cal	7·5
8·2	52·1	15·2	Cal	8·2
10·4	57·4	1·3		9·8
10·0	57·6	9·0		
9·4	58·1	51·7		9·5
9·4	59 0·6	16·7		9·1
10·3	2·1	49·2		
10·2	4·6	48·6		
10·4	6·6	36·4		
9·1	8·1	34·2		9·7
10·4	9·6	17·3		
10·4	11·2	3·4		
8·0	27·6	50·8	GCal	6·3
9·2	29·1	1·4		9·3
9·7	29·1	56·2		9·4
	+ 1 4·1	—2·1		

1741—1800.

mag.	6h.–7h. m s	—21° ′		
10·2	59 30·1	45·0		
9·6	32·1	32·2		9·5
10·4	33·1	19·5		
10·4	33·2	7·6		
9·8	38·1	46·6		9·5
9·4	42·1	53·8		9·5
9·3	43·1	25·4		9·0
8·4	44·1	15·9	Cal	7·3
10·0	48·6	22·8		9·8
10·4	56·6	53·8		9·9
9·8	0 10·6	20·1		
9·1	16·6	6·1		9·5
10·4	19·1	16·2		
9·9	23·1	33·7		
9·8	25·1	3·5		9·8
9·8	25·3	0·1		10·
9·9	27·1	45·6	a	9·5
9·4	31·1	16·6		9·8
9·4	32·1	24·8		
10·0	32·1	52·9		
9·6	38·6	58·1		9·5
9·6	45·6	21·3	a	9·3
10·0	50·6	35·5		
9·9	50·6	15·2		
9·4	55·1	58·5		9·8
10·2	56·1	15·1		
9·8	59·1	46·8		9·7
10·4	1 0·1	22·5		
10·0	4·1	15·9		
10·2	5·6	42·2		
10·2	6·1	56·1		
8·5	15·1	49·4	Ca	8·2
9·1	17·6	14·1	a	9·3
9·0	17·6	56·3	a	9·1
8·8	19·6	46·1	a	9·0
9·0	23·6	16·3	b	9·0
8·6	26·1	21·9	Ca	8·7
10·0	26·6	39·5		
10·0	31·6	59·2		10·
9·8	34·6	34·3	a	9·5
9·8	39·1	17·3		
10·3	43·6	59·0		9·5
10·3	44·6	22·9		
9·4	47·1	30·6	a	9·2
9·3	53·1	57·4		9·3
10·0	55·6	53·9		
10·3	2 0·6	47·4		
9·4	2·1	3·6		9·3
9·3	2·1	34·0	a	9·4
10·3	3·6	34·3		
9·5	3·6	35·1		9·8
9·5	8·1	46·9		
9·9	12·1	19·6		
10·2	15·6	23·0		
10·2	20·6	3·5		
9·8	21·6	35·0		
9·4	23·6	52·7		9·4
10·0	24·6	6·3		
9·8	29·6	16·9		
9·8	42·6	16·2		9·8
	+ 1 4·1	—2·2		

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1801—1860.

mag.	7h. m	s	−21° ′		
9.0	2	46.1	8.9	Ca	8.7
9.8		49.6	53.1		
9.0		50.1	3.9	a	8.8
10.4		53.1	53.0		
10.4		53.6	25.6		
9.3	3	2.1	18.0		9.1
8.8		3.6	48.1	C–	8.5
10.3		18.6	49.0		
9.7		23.1	52.8		9.8
9.8		26.1	47.9		
10.4		33.2	25.7		9.7
9.4		40.1	4.4		9.5
10.4		42.1	51.3		9.5
10.4		45.6	44.0		
10.4		47.1	54.6		10.
9.4		48.1	44.7		9.7
10.4		48.1	42.2		
9.8		53.6	29.8	a	9.5
9.7		57.6	34.5		
9.8		58.1	10.1		
10.2		59.6	42.5		
10.0	4	2.6	15.3		9.8
9.9		8.6	51.6		
9.7		9.1	11.6		9.7
10.0		13.1	35.4		
8.7		13.1	16.3	C	8.8
9.4		27.6	55.9	a	9.3
10.4		33.1	31.6		
9.4		41.1	59.8		9.3
10.4		43.1	25.3		
10.2		50.6	39.6		
10.0		52.6	11.1		
9.8	5	3.1	52.3	a	9.3
9.9		4.1	15.7		
10.0		11.1	54.3		
9.7		13.6	17.8		9.4
10.4		21.6	6.0		
9.8		26.1	21.1		9.8
10.4		30.6	28.4		
10.2		36.1	27.3		
10.2		36.1	0.8		
10.4		36.2	16.5		
9.4		42.6	12.1		8.7
9.8		49.6	16.2		
9.3		50.6	55.1		9.2
10.2		51.9	1.8		
10.4		53.6	1.5		
7.5	6	0.6	35.9	Cbl	7.1
9.2		2.6	18.6		9.1
9.6		7.1	22.1		9.8
8.9		12.1	29.4	a′	9.2
10.0		17.1	56.3		9.8
10.4		17.6	21.2		
10.4		18.6	27.1		
9.8		25.6	10.1		9.5
9.4		28.1	39.0		
9.8		32.6	10.3		9.7
10.3		32.6	52.4		
9.3		33.1	40.7		9.5
9.0		36.1	33.5		9.5
15 pr.	+1	4.1	−2.3		

1861—1920.

mag.	7h. m	s	−21° ′		
10.4	6	39.1	49.6		
10.3		46.1	6.0		
8.9		50.1	4.2	a	8.7
10.0		51.6	6.0		
10.4		56.1	2.3		
8.6		56.8	57.6	Cb–l	8.6
9.8		59.6	46.0		
9.4	7	3.1	8.1		
9.4		9.8	59.4		9.4
9.0		12.1	51.4		9.2
8.6		13.6	32.4	Ca	8.6
9.9		16.9	52.8		
10.4		22.1	6.2		
10.0		29.8	57.9		
9.4		31.6	9.0		9.5
9.1		32.0	36.4		9.1
10.4		35.5	1.9		
10.2		36.1	9.0		
10.4		38.6	54.0		
10.4		40.1	39.0		
9.5		46.4	50.0		9.5
9.2		46.9	57.6		9.2
9.2		47.1	32.1		9.5
9.4		52.6	52.0		9.5
9.1		56.7	56.7		9.1
9.4		57.1	45.0		9.4
9.4		57.4	43.2		9.1
9.8		57.9	28.4		9.8
9.9		59.1	14.2		
9.0	8	2.0	30.0	C	8.5
9.6		4.1	25.4		9.5
10.4		4.1	24.6		
10.4		9.9	34.7		
8.9		11.5	8.6		9.0
8.6		20.8	14.7	C	8.7
10.4		21.3	14.3		
10.0		21.3	49.6		
10.3		23.3	12.7		
9.8		34.0	0.9		
10.0		34.3	27.9		
9.5		39.0	55.9		9.5
10.3		42.3	15.1		
9.4		42.3	49.3		9.8
9.4		43.8	26.4		9.7
9.6		44.3	57.9		9.5
9.4		44.3	45.9		9.2
10.4		46.3	41.9		
10.4		49.5	2.9		
9.7		56.3	16.9		
8.9	9	4.3	45.4	–	9.1
9.9		6.8	35.9		9.5
9.4		12.3	51.5	C	9.0
9.1		17.8	6.4		9.3
10.2		18.3	13.4		
9.8		20.3	54.5		9.8
10.0		20.8	33.9		
9.8		24.8	39.2		
9.8		25.3	25.9		
10.2		30.8	24.1		
10.4		31.8	25.9		
	+1	4.2	−2.4		

1921—1980.

mag.	7h. m	s	−21° ′		
10.3	9	35.8	49.9		
10.2		35.8	43.5		9.8
9.7		38.2	42.9	.	
10.0		38.3	36.7		
9.4		39.3	40.5	C– }	7.8
8.7		40.3	40.3	}	
9.2		43.3	43.3		9.5
10.3		43.3	14.4		
10.3		46.3	57.1		
10.3		47.3	30.1		
10.0		48.3	1.9		10.
10.4		52.2	42.4		
9.4		53.3	36.1		9.1
8.8		58.8	45.3	C	8.7
10.4	10	6.8	57.7		
10.2		10.3	16.2		
10.4		11.8	17.3		
10.4		13.2	42.5		
10.2		16.1	1.3		10.
9.3		16.3	10.8		9.8
10.3		17.8	42.9		
10.2		22.8	39.9		
9.8		25.3	55.6		10.
9.6		25.8	34.1		
8.4		30.3	24.6		8.7
8.9		31.3	43.5		9.4
8.6		34.8	4.1	Cal	8.2
8.9		35.8	42.2		9.3
9.6		44.3	12.8		10.
9.2		44.3	24.5		9.8
9.2		44.8	40.3		
9.6		45.8	11.9		
9.1		54.3	12.1	a	9.0
10.2		55.3	55.5		
9.0		55.8	54.8		9.1
10.2		56.3	8.9		
10.3		56.8	59.7		
10.2	11	1.3	9.4		
9.3		1.8	50.3		
10.2		1.8	16.5		
10.2		2.3	7.0		
10.1		2.8	23.2		
9.4		4.3	48.0		9.8
10.4		7.3	2.9		
9.0		13.3	37.2		9.2
9.2		18.8	42.1		9.4
10.1		24.8	13.6		
9.4		28.3	16.8		9.5
9.2		32.0	0.8		9.4
10.4		32.8	34.9		
9.1		35.5	58.9		9.7
10.1		36.0	24.3		
9.8		41.0	0.7		9.5
10.4		55.0	34.9		
10.0		55.5	55.1		
9.6		59.0	41.3		
9.3	12	1.5	56.2		9.8
9.6		3.0	50.6		
10.4		6.5	8.9		
9.6		8.0	8.0		9.5
	+1	4.2	−2.5		

1981—2040.

mag.	7h. m	s	−21° ′		
9.8	12	9.0	31.7	.	9.5
9.0		10.0	12.8	Cal	8.9
10.3		16.0	35.7		
8.8		19.0	27.9	C	8.7
10.1		29.0	26.5		
9.8		33.0	36.4		
10.4		34.0	58.9		
10.3		34.8	59.1		
8.7		36.0	8.1	GCal	8.2
10.3		37.5	21.6		
10.2		44.0	55.3		
9.7		47.0	4.3		
9.6		48.5	55.0		10.
9.5		51.5	50.6		9.4
9.2		55.5	52.6		9.5
10.3		57.0	33.9		
10.3	13	5.0	16.7		
9.9		5.0	52.0		
9.6		13.0	20.6		9.8
10.3		14.5	10.9		9.8
9.5		33.0	42.0		9.5
10.3		34.8	35.4		
9.2		37.3	6.4		9.8
9.6		38.8	20.3		9.6
8.9		45.3	20.9	Ca	9.0
9.6		45.3	2.7		9.4
8.8		46.8	13.7	a	9.1
9.0		52.3	43.4		9.8
10.4		59.3	21.1		
7.6	14	0.3	49.2	Cal	7.3
10.4		0.8	20.1		
9.4		2.3	14.8		9.8
10.4		5.3	19.3		
10.2		6.3	1.8		
9.6		6.8	15.6		
10.3		7.9	26.3		9.5
9.9		8.6	1.5		10.
10.4		8.8	17.9		
8.6		9.8	46.6	a :	8.7
9.6		12.3	44.2		
9.8		12.3	7.5		
9.6		12.8	37.7		9.7
9.6		14.3	31.8		9.5
9.6		15.3	39.8		
10.0		15.3	37.4		
9.2		17.3	36.1		9.4
9.8		20.8	27.8		
9.5		23.8	11.6	a	9.3
9.8		34.8	18.3		
9.6		36.3	40.1		
9.6		38.8	13.9		
9.5		39.3	11.0		9.8
9.6		40.8	23.2		
8.4		45.3	39.1		9.0
9.4		45.8	39.9		
9.6		46.3	53.4		
9.0		46.8	40.7		9.5
9.2		49.8	39.6		9.8
9.6		52.8	37.8		
9.6		55.3	31.7		9.4
	+1	4.3	−2.7		

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2041—2100.

mag.	7h. m	s	−21° ′		
9·8	14	56·8	31·5		
10·3		58·8	13·5		
8·3	15	2·2	51·2	Cal	7·4
9·4		4·2	45·1		9·7
10·3		7·2	49·5		
9·6		8·7	13·0		
10·3		11·7	54·6		
9·8		11·7	42·1		
10·3		20·7	38·3		
9·4		21·2	19·8		9·5
10·3		22·2	8·7		
9·6		28·2	53·3		9·4
10·0		29·2	6·8		
9·7		30·2	55·2		
8·4		30·7	20·5	Ca	8·4
9·5		31·9	2·3		9·7
10·0		32·7	54·6		9·7
10·4		32·7	4·0		
9·9		33·7	8·4		
9·4		35·2	16·9		10·
10·0		35·5	33·0		
10·3		37·7	43·3		
10·4		47·3	39·2		
9·6		49·3	26·0		9·5
10·0		49·3	46·5		
10·2		49·7	30·5		
9·8		52·2	27·7		9·6
9·2		57·7	44·5		9·8
9·4	16	1·2	20·5		9·8
10·3		2·2	1·0		
10·4		7·7	12·3		
10·1		11·2	36·0		
9·6		12·2	18·3		
10·0		12·7	42·2		
9·2		13·2	29·7		9·7
9·6		14·7	7·1		9·8
9·8		17·7	1·1		
9·8		19·2	9·9		
9·6		35·1	1·9		
10·0		40·6	48·7		
9·8		40·8	46·0	?	
9·7		41·6	38·0		
9·2		52·6	25·2		
9·5	17	2·1	53·3		9·3
10·2		3·6	49·3		
8·8		6·6	29·7		9·4
9·7		9·1	52·6		
9·6		10·1	31·6		
10·3		11·6	59·0		
9·3		12·6	2·9		9·2
9·3		15·1	3·3		9·4
10·3		16·6	33·0		
9·4		17·1	37·7		9·2
9·2		21·6	7·2		9·5
9·8		21·6	48·4		
9·8		21·6	13·0		
9·9		24·1	59·3		
8·8		26·1	14·9	Cal	8·0
9·5		27·6	45·2		9·8
9·6		28·1	50·1		
25pr.	+1	4·3	−2·7		

2101—2160.

mag.	7h. m	s	−21° ′		
9·4	17	32·1	42·8		9·8
9·1		32·1	17·9	a	9·1
9·5		43·1	32·8		
9·6		44·6	27·5		
10·4		46·6	33·2		
9·7		48·6	13·2		
10·2		49·1	28·0		
9·8		50·6	10·6		
10·4		52·3	35·3		
9·2		53·1	25·7		9·4
9·6		56·1	36·9		
8·8		57·1	9·1	a	9·2
10·1		59·1	39·5		
9·8	18	0·1	29·6		9·8
10·4		0·9	59·5		
10·1		1·1	39·1		10·
8·6		3·6	16·1	Ca	8·2
9·8		6·6	17·0		
9·4		9·6	22·0		
9·9		10·6	48·6		
9·0		15·6	9·6	a	9·3
10·1		16·6	36·3		
10·1		18·6	35·3		
9·6		21·1	10·8		9·5
9·5		32·1	13·4		9·8
10·4		35·1	25·7		
9·2		36·1	54·6		9·3
9·6		41·6	26·0		9·5
8·4		46·6	21·6	Ca	8·7
9·4		47·6	36·2		9·2
9·6		55·6	15·0	a	9·3
10·4		56·6	48·9		
9·7		57·6	14·0		
10·2	19	1·6	34·2		
10·0		12·1	48·7		
9·8		19·1	5·3		
9·5		26·1	54·3		9·7
9·5		29·1	4·5		9·7
9·6		31·6	43·1	:	
8·8		36·5	13·7		9·2
9·8		45·5	1·6		
10·0		46·5	35·6		
10·4		47·5	10·2		
9·8		48·0	17·5		
10·2		49·5	27·5		
9·8		56·5	12·1		9·6
10·4		58·5	37·3		
6·9		58·5	44·2	GCbl	7·0
9·6		59·0	35·0		10·
9·8	20	0·5	30·3		
9·8		5·0	59·6		9·6
9·9		8·5	16·8		
8·7		9·0	39·4	a	9·0
10·1		11·5	6·8		
10·4		11·5	33·9		
9·7		12·0	4·4		9·7
9·8		14·0	27·2		
9·6		16·0	18·4		9·8
10·4		16·5	59·1		
9·6		23·0	35·7		
	+1	4·4	−2·8		

2161—2220.

mag.	7h. m	s	−21° ′		
9·6	20	25·0	45·1		
9·6		30·9	1·9		9·5
10·4		32·0	6·8		
9·8		37·5	55·8		
9·8		38·5	16·8		
9·8		41·0	30·6		9·7
9·2		41·5	35·1		9·7
9·0		42·5	48·1		9·7
9·7		44·5	51·7		9·6
8·4		48·5	58·2	Ca	9·0
9·5		50·0	4·3		
9·8		53·0	40·7		
9·8		53·3	35·1		
10·2		55·3	55·7		
9·2		57·3	43·3	a	9·2
10·4		58·3	59·4		
10·0	21	0·0	58·9		
9·4		0·3	19·9		
10·2		1·3	15·4		
9·6		1·3	56·0		
9·4		1·3	18·4		9·5
9·8		3·3	21·0		
9·7		4·8	24·5		
9·4		12·3	44·9	a	9·0
10·1		16·8	18·2		
9·7		20·8	53·9		9·5
9·5		22·3	58·2	a	8·9
10·0		24·3	58·4		
10·4		28·5	1·9		
10·0		36·3	15·1		
9·8		37·3	28·8		
9·0		39·3	21·7		9·3
8·6		39·8	34·2	a	9·1
9·5		40·8	4·2		9·7
10·0		41·3	51·8		
10·4		43·0	2·3		
9·6		56·8	18·2		
9·6	22	2·3	30·5		
9·4		4·3	23·2		9·3
9·8		7·8	31·7		10·
10·0		9·3	3·4		9·8
9·3		12·8	55·9		9·5
10·4		16·3	48·1		
8·6		30·8	37·5	Ca	9·0
9·7		38·8	46·7		9·8
10·0		38·8	43·8	}	9·8
10·0		40·3	43·6		
10·5		40·3	56·9		
10·5		40·7	46·3		
10·1		42·7	31·9		
9·6		47·7	6·7		10·
9·6		50·7	9·9		9·5
10·0		52·2	41·0		
10·3		57·7	11·1		
10·4		58·7	50·5		
10·3		59·7	59·0		
10·0	23	7·2	43·5		
9·6		9·2	0·1		
9·8		10·2	23·7		
8·2		15·2	42·5	Ca	8·7
	+1	4·4	−2·9		

2221—2280.

mag.	7h. m	s	−21° ′		
10·0	23	17·7	58·4		
8·7		19·2	32·9	Cal	7·8
9·8		19·7	11·5		
10·4		20·7	54·6		
10·5		21·2	1·8		
10·5		23·2	1·9		
9·8		24·7	9·9		
9·4		31·7	0·9		9·7
8·6		40·7	8·0		9·0
9·5		41·2	13·6		9·5
9·9		44·7	43·6		
8·4		48·7	34·6	bl	8·8
9·8		52·2	49·0		
10·4		53·7	49·3		
8·3	24	0·7	36·7	Cb–l	8·2
9·4		3·2	27·8		9·4
9·9		4·7	56·7		9·8
8·2		5·2	36·0	Cal	8·4
9·5		8·2	28·3		9·4
9·4		8·2	46·1		
10·2		9·2	38·3		
8·6		9·2	56·6		8·9
9·3		10·2	48·4		10·
10·2		10·7	4·5		
9·8		12·0	11·9		9·7
9·8		25·0	17·9		9·5
9·2		25·7	56·9		9·5
10·3		33·0	35·0		
9·9		35·0	7·1		10·
9·6		42·0	10·9		9·8
9·6		46·5	24·2		9·5
10·2		50·0	39·5		
10·3		51·0	6·1		
10·3		56·0	1·9		
10·2		58·5	19·5		
10·4		58·5	49·6		
10·0	25	2·0	42·3		
9·2		3·0	16·5		9·3
9·2		6·5	18·1		8·7
10·1		7·0	47·0		
9·5		9·5	14·4		
10·0		12·0	9·8		9·8
8·8		14·5	20·3	a	8·9
10·4		15·0	48·9		
9·4		17·0	33·1		9·5
9·9		21·5	45·3		
8·3		22·0	32·9	Ca	8·2
9·9		26·5	0·2		
10·2		27·0	4·3		
9·5		31·5	30·8		
10·0		34·5	23·3		
9·7		36·0	49·9		
9·4		36·5	15·0		9·5
9·0		40·0	21·7	a	9·1
10·1		41·0	25·9		
9·7		42·0	23·9		9·5
10·4		44·0	38·3		
10·2		44·5	25·9		
8·6		49·0	37·5	a	9·0
10·0		50·0	55·1		
	+1	4·5	−3·0		

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2281—2340.

mag.	7h. m s	−21° ′		
9·8	25 54·5	9·9		
9·0	58·5	22·9	a	9·2
9·8	59·5	46·5		
10·1	26 1·0	54·9		
10·4	5·0	39·9		
8·7	6·0	28·8	Ca	8·7
9·9	7·0	33·9		9·4
9·6	11·8	1·7		
10·4	15·0	46·5		
10·4	17·5	44·4		
10·3	19·0	13·1		
10·2	20·0	13·5		
8·2	22·0	43·6	Ca	8·3
9·2	23·5	52·5		9·1
9·8	29·0	13·8		9·2
8·8	31·7	57·1		9·2
9·4	33·5	30·0		9·8
9·4	35·8	2·1		9·4
9·9	36·0	39·3		
10·3	38·0	5·7		
10·3	40·0	36·9		
9·4	40·5	10·3		9·3
10·1	41·0	24·4		
10·0	43·0	33·9		
9·6	43·5	19·9		
9·4	51·0	45·8		9·8
10·3	54·0	31·2		
10·1	54·0	37·1		
10·4	56·9	1·3		
9·7	57·0	14·1		
10·2	59·5	28·3		
10·2	59·5	4·7		10·
9·7	27 1·0	8·6		
10·4	7·0	48·1		
10·4	11·5	37·0		
8·6	14·0	39·9	Ca	8·5
10·4	15·5	37·9		
10·0	16·0	33·2		
9·4	18·5	30·1		9·6
10·3	22·0	27·2		9·8
9·5	28·5	36·1		
10·4	40·0	2·9		
9·7	47·4	30·7		
10·0	48·2	12·5		
8·7	50·6	40·1	Ca	9·0
9·4	55·1	13·1		9·3
10·4	58·4	54·8		
9·6	58·6	0·9		9·4
9·8	28 2·3	55·4		
9·6	3·4	39·9		
10·4	4·3	28·3		
[illegible]	7·6	22·1		9·0
10·5	8·6	33·7		
10·1	13·3	11·9		
10·0	17·1	9·2		
9·8	17·1	22·4		
10·2	19·1	17·5		
9·4	20·6	12·9		10·
9·8	20·6	17·1		9·8
9·9	24·6	47·5		
pr-	+1 4·5	−3·1		

2341—2400.

mag.	7h. m s	−21° ′		
10·4	28 33·8	39·6		
10·4	38·0	3·5		
10·1	41·3	34·6		
9·9	48·4	30·7		
9·6	51·9	6·6		9·6
10·1	52·9	42·3		
10·5	29 3·1	58·1		
10·3	3·9	39·8		
9·6	3·9	25·5		
9·8	5·6	6·1		
10·0	5·6	8·8		
10·1	7·4	24·8		9·8
10·4	7·4	20·6		
9·8	8·6	35·1		9·5
7·7	10·2	2·2	Cal	7·7
9·4	17·4	50·3		9·5
9·4	20·4	47·5		9·8
9·4	20·9	59·3		9·3
10·3	25·9	47·5		
9·5	28·9	39·0		
9·8	31·9	19·9		
9·2	32·9	23·9		9·8
10·5	36·1	1·5		
9·2	36·6	49·1		
9·8	37·4	56·8	a	9·4
10·4	37·6	29·8		
9·2	37·9	9·2		9·8
9·4	38·4	38·9		
9·4	38·4	4·8		
10·4	41·4	50·4		
9·8	41·9	23·2		
10·4	41·9	25·2		
9·9	45·9	37·8		
10·2	46·4	32·5		
10·3	46·4	35·3		
9·4	47·4	9·3		
10·4	47·6	40·0		
10·0	51·4	20·7		
9·2	51·6	56·4		9·4
9·2	52·9	30·9		9·8
10·5	54·9	0·1		
9·9	30 2·4	44·8		10·
9·2	2·9	18·7		9·5
10·0	6·4	27·7		
9·9	8·6	25·3		
8·3	9·4	24·1	Cbl	8·7
9·1	9·4	30·0		9·7
10·0	10·4	46·3		9·8
9·8	12·4	39·6		
10·5	14·4	5·3		
9·8	15·9	40·5		
9·2	15·9	17·5		9·8
10·3	16·6	33·3		
8·3	17·4	12·4	Cbl	8·7
9·6	19·4	29·0		
10·4	23·4	9·9		
10·3	24·9	1·6		
10·4	26·9	14·3		
8·8	26·9	43·3		9·3
10·3	26·9	36·9		
	+1 4·6	−3·2		

2401—2460.

mag.	7h. m s	−21° ′		
9·2	30 29·9	26·3		9·5
10·5	30·3	58·1		
10·5	31·6	10·4		
10·5	37·4	30·2		
10·5	39·4	7·6		
7·8	45·4	53·1	Ca	6·7
10·5	45·4	7·5		
9·2	46·4	25·7		9·8
8·6	49·4	38·3	C	8·0
10·4	56·9	47·7		
10·0	31 2·4	12·1		
10·2	3·4	55·4		
10·2	5·4	31·3		
9·4	5·9	41·9		10·
10·3	6·5	28·0		
9·8	6·9	23·3		
10·0	9·9	25·0		10·
9·4	9·9	55·8		9·5
10·1	10·9	28·4		
10·0	11·4	11·9		
10·4	12·9	12·9		
10·5	13·4	14·9		
10·0	15·9	8·7		10·
10·4	21·9	3·3		
9·8	21·9	21·9		
10·2	27·4	10·9		
10·0	31·9	52·1		10·
9·8	32·5	13·3		
10·4	33·5	20·1		
9·8	33·9	27·4		
9·4	33·9	54·1		9·6
10·2	34·9	42·0		
10·5	35·3	58·2		
8·1	35·4	6·9	GCbl	7·0
10·2	41·5	14·1		
10·1	43·9	4·7		
10·2	44·5	20·2		
9·5	46·4	31·6		9·3
9·5	51·4	6·2		
10·4	51·4	21·1		
9·2	51·9	21·4		9·0
9·8	52·9	18·9		
10·3	52·9	21·8		
9·5	53·4	15·0		
10·3	59·9	12·1		
10·4	32 1·4	40·1		
10·5	3·2	1·3		
10·4	5·4	4·5		
9·8	6·9	29·9		
10·2	9·4	8·6		
10·3	11·5	34·3		
9·2	12·4	27·6		9·5
9·8	12·5	38·7		
10·1	13·9	53·1		
10·4	15·4	14·9		
10·4	15·4	26·6		
10·4	21·4	55·9		
9·8	21·9	43·2		
9·1	22·4	9·2		9·4
10·5	22·5	38·8		
	+1 4·7	−3·3		

2461—2520.

mag.	7h. m s	−21° ′		
9·8	32 24·9	53·9		
10·2	30·4	50·2		9·4
9·9	30·4	49·8		
10·3	30·5	31·9		
10·1	32·9	41·8		
10·4	32·9	41·0		
10·5	37·9	53·9		
9·9	38·9	23·7		
9·8	41·9	51·2		10·
9·8	43·4	9·5		9·5
9·9	43·4	44·9		
8·9	45·9	37·1		9·4
9·8	45·9	19·3		9·5
10·5	45·9	4·3		
10·5	46·4	36·3		
9·2	51·9	46·7		9·8
9·6	52·4	40·9		
10·5	52·9	47·9		
9·2	54·4	42·9		9·1
8·4	59·6	57·5	a	8·9
10·3	59·9	10·4		
10·4	59·9	40·1		
8·1	33 2·4	32·5	Ca	8·5
9·4	5·9	51·9		
9·4	6·9	52·9		9·4
9·4	6·9	34·3		9·8
10·5	12·4	43·4		
8·7	16·4	35·5	a	9·2
10·3	16·4	27·2		
10·2	18·4	10·1		
10·5	18·9	39·8		
10·5	20·5	40·2		
10·2	21·4	55·3		
10·4	22·1	58·6		
8·9	22·4	23·3		9·5
8·9	25·4	36·7		9·4
10·1	25·4	45·5		
10·1	26·9	33·7		
10·3	26·9	50·7		
9·2	26·9	13·1		9·5
10·3	27·4	44·9		
10·5	29·5	37·1		
9·8	31·9	39·6		
9·8	32·4	49·1		
9·2	32·9	3·7		9·0
9·8	33·1	57·7		
9·6	33·4	51·5		
10·5	34·6	58·7		
10·4	37·4	36·5		
9·9	39·4	33·7		
10·1	43·6	2·8		
10·4	44·1	30·8		
10·4	47·1	22·5		
10·5	52·6	49·9		
10·2	58·6	34·8		
10·4	59·6	37·0		
9·6	34 3·1	36·1		9·8
10·4	4·6	46·5		
10·4	8·1	32·7		
10·5	10·1	4·5		
	+1 4·7	−3·3		

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2521—2580.

mag.	7h. m	s	—21° ′		
10.0	34	15.6	50.9		9.8
9.8		15.6	54.1		10.
10.1		16.1	55.7		
9.4		20.6	15.6		9.5
9.5		20.6	29.6		
10.2		26.1	7.3		
7.8		26.6	54.6	C–	8.2
9.8		27.1	4.5		
9.6		28.6	48.1		
9.8		34.6	55.3		
9.6		35.6	12.3		
9.8		36.6	45.2		
9.8		36.6	55.1		
10.2		38.6	27.3		
10.5		39.1	25.5		
10.4		39.6	46.1		
9.6		40.6	41.2		
9.0		42.1	0.1		9.1
10.5		46.1	9.8		
9.4		50.4	0.5		9.2
9.4		50.6	30.1		9.5
9.2		51.6	32.0		9.5
10.5		52.6	4.4		
9.8		56.1	40.3		9.8
10.4		56.1	35.9		
9.9		57.1	12.4		
9.4		59.6	41.5		9.7
8.2	35	2.1	45.6	Cal	7.3
9.2		2.6	59.0		9.3
9.2		6.1	11.3		
10.4		6.1	9.6		
10.0		6.1	24.7		
9.8		7.6	56.9		
8.1		18.1	39.2	Ca	8.7
10.5		21.6	31.9		
9.4		29.1	37.6		9.4
9.9		29.6	35.5		
9.4		30.1	44.4		
9.8		30.1	36.8		
10.3		30.1	47.7		
9.8		32.1	34.6		
10.4		36.1	43.0		
10.1		40.1	34.3		
9.8		41.1	26.4		
9.4		44.1	21.4		9.5
9.4		44.1	15.6		
10.0		45.6	34.4		
9.9		47.6	33.8		
9.0		49.1	12.7		9.3
10.2		49.1	33.4		
10.2		51.1	1.0		
10.4		51.1	56.9		
9.8		52.3	30.2		
9.1		52.6	34.3	a	9.5
10.4		55.6	13.0		
10.3		56.3	6.9		
10.2		57.1	41.3		
9.6		57.1	14.3		
10.3		57.3	11.3		
10.4		59.6	35.4		
25pr.	+1	4.8	−3.4		

2581—2640.

mag.	7h. m	s	—21° ′		
10.3	36	1.3	29.5		
10.3		2.3	8.6		
10.4		2.6	43.0		
10.4		5.1	43.1		
10.3		5.3	17.9		
9.8		9.1	23.0		
9.9		14.1	24.2		9.8
9.8		15.1	30.7		
10.3		15.3	40.7		
9.8		17.1	37.2		
10.2		18.3	6.7		
8.9		20.1	4.7	Cbl	8.6
10.1		21.1	41.0		
10.2		21.6	32.9		
10.1		21.6	35.0		
9.8		22.9	1.1		10.
9.4		27.6	33.5		
10.3		29.6	53.9		
9.4		29.6	13.3		10.
9.8		30.1	34.9		
10.3		32.3	26.5		
9.5		33.1	33.5		9.5
9.8		37.1	19.9		
9.2		38.6	7.7		9.1
9.8		40.1	21.3		
9.2		40.1	43.7		
9.4		41.6	35.2		9.6
9.6		42.6	56.5	a	9.5
9.2		43.6	39.0		
9.8		44.1	25.3		
10.3		47.6	36.2		
9.4		50.6	55.5	a	9.4
10.5		52.6	56.5		
10.3		54.1	38.1		
10.0		57.1	30.3		
8.1	37	2.6	38.5	Ca	8.5
10.3		2.6	37.1		
10.5		2.8	14.5		
10.0		7.6	50.1		
10.1		9.8	41.2		
10.3		11.6	3.3		
9.6		12.1	28.3		9.8
9.9		15.1	43.9		
10.4		15.6	31.5		
9.1		17.1	40.4		
10.3		17.1	9.9		
10.4		18.1	30.9		
8.9		21.1	52.8	a	9.3
10.4		21.6	4.9		10.
10.5		22.6	52.6		
8.3		31.1	27.7	C	9.0
10.3		31.1	9.9		
7.9		32.1	41.7	Ca	7.3
9.6		32.1	57.0		
9.8		35.6	54.9		9.3
10.2		35.6	10.5		
10.5		37.1	59.3		
10.5		37.6	15.1		
10.1		39.6	16.9		
9.9		40.1	12.5		
	+1	4.8	−3.4		

2641—2700.

mag.	7h. m	s	—21° ′		
9.8	37	48.6	25.5		
9.8		50.1	20.9		
10.4		54.1	22.5		
10.5		57.1	22.1		
10.4	38	0.6	39.7		
10.5		1.6	39.7		
8.1		2.6	49.4	Ca	8.5
10.5		2.6	48.3		
10.4		3.6	4.9		
10.1		7.1	49.8		
10.3		7.6	18.3		
10.2		10.1	19.7		9.4
10.1		12.6	16.8		
9.8		17.1	39.7		
9.9		17.6	33.0		
7.5		20.1	52.3	Cal	8.2
10.4		22.6	42.7		
9.8		23.1	59.1		
10.3		23.6	13.1		
10.4		24.1	9.7		
10.3		29.1	23.5		
9.6		29.6	44.7		9.6
9.8		32.6	6.8		
10.4		34.1	23.1		
9.9		35.3	52.1		
9.9		36.1	4.0		
9.2		38.1	37.7		
9.8		40.1	3.7		9.4
10.4		40.8	1.5		
10.0		41.3	57.3		10.
9.8		41.6	29.4		
10.2		43.3	17.2		
9.2		44.6	4.1		9.2
10.5		46.8	54.9		
10.3		47.8	41.5		
9.8		51.6	43.9		
9.6		53.1	16.6		
10.0		55.6	10.1		
9.0		56.1	27.0		9.3
10.5		57.3	39.1		
10.4		58.6	53.1		
8.5		59.1	31.1	Ca	9.0
10.5		59.3	19.9		
10.1	39	1.1	34.3		
10.1		1.1	19.5		
10.5		1.1	49.7		
10.5		1.6	33.9		
9.8		2.6	18.6		
9.2		3.6	12.5		9.8
10.4		3.6	34.1	?	
9.8		5.1	45.9		
10.3		7.3	38.1		
9.4		9.1	41.7		
9.5		9.1	8.7		
10.4		14.6	20.1		
9.5		15.1	44.5		
10.4		16.1	50.1		
10.2		26.1	16.7		
10.4		30.6	39.6		
9.8		36.6	36.1		
	+1	4.9	−3.5		

2701—2760.

mag.	7h. m	s	—21° ′		
9.6	39	37.6	17.1		9.8
10.4		39.6	33.6		
9.5		41.6	9.3	a	9.2
10.5		48.6	6.1		
8.4		50.1	55.3	Ca	8.2
10.5		57.1	12.3		
10.5		57.3	45.8		
10.4	40	0.1	49.9		
9.9		5.6	25.8		
10.5		9.6	14.9		
10.4		10.6	53.7		
9.2		11.1	15.5		9.4
10.4		12.8	2.3		
10.4		22.1	11.0		
9.9		25.1	56.8		
10.5		25.3	36.4		
10.5		26.6	8.0		
10.3		26.6	48.7		
9.0		27.1	47.5	a	9.1
10.5		27.1	3.5		
10.4		29.3	38.5		
10.1		29.6	41.3		
10.1		32.6	48.3		
10.0		35.3	33.4		
8.6		37.1	27.0		9.1
9.8		41.6	11.3		
10.4		42.3	25.0		
10.3		44.1	7.9		
10.4		45.6	43.5		
10.4		46.1	39.3		
10.1		47.6	7.9		
10.4		47.6	36.7		
9.8		52.6	53.7		10.
10.0		53.3	6.3		9.8
9.9		54.1	55.9		
8.5		55.1	17.7	C	9.0
8.7	41	1.6	14.3	Ca	8.0
10.4		1.6	40.9		
8.5		4.1	42.6	a	9.1
10.5		4.1	43.5		
10.1		9.6	8.1		
8.5		12.6	9.4	a	9.0
8.9		19.1	15.3		9.4
10.3		23.1	55.0		
10.2		31.1	19.6		
10.1		37.1	13.7		
9.2		38.8	1.0	a	9.2
10.3		41.6	31.3		
10.4		43.1	50.2		
10.0		47.6	19.9		
9.8		49.1	18.1		
10.5		52.6	38.9		
10.3		56.5	14.0		
9.8		59.1	3.9		
10.4		59.1	54.2		
10.0		59.6	6.5		
9.6	42	2.1	20.5		9.9
9.6		4.1	4.1		
10.4		4.5	20.9		
9.8		9.6	17.3		
	+1	4.9	−3.6		

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2761—2820.

mag.	7h. m	s	—21° ′		
10·5	42	13·6	58·6		
10·4		14·1	15·3		
10·2		16·6	37·3		
10·4		21·6	23·3		
10·1		26·1	41·5		9·8
10·4		26·9	57·1		
9·6		28·1	23·5		9·8
9·2		29·6	10·2	a	9·5
9·8		32·5	3·2	a	9·0
9·8		32·6	55·6		9·7
10·4		32·6	5·9		
10·1		33·1	2·1	a	9·3
10·3		41·5	19·4		
10·5		42·6	21·3		
10·4		42·6	21·0		
9·6		44·1	9·1		9·5
10·5		44·6	2·9		
10·5		46·1	57·5		9·9
10·4		46·6	18·6		
10·5		47·1	59·5		
9·2		48·1	27·6		9·1
10·5		48·6	20·0		
9·9		48·6	9·1		
9·9		49·1	6·3		
10·5		52·1	32·5		
10·4	43	2·5	14·6		
10·5		2·6	24·3		
9·9		2·6	32·9		
10·2		6·5	41·1		
9·2		9·1	5·5		9·4
8·3		11·6	41·9	Cal	7·5
10·0		23·6	47·5		
10·1		27·6	59·0		
9·4		32·6	53·5		
9·9		32·6	18·5		9·5
10·5		32·9	0·6		
10·1		37·9	1·5		
10·5		39·5	24·7		
10·5		41·5	32·0		
9·5		42·6	32·3		9·5
10·4		47·6	14·2		
10·2		51·6	49·4		
10·0		52·6	39·2		
9·2		55·1	55·3		9·1
10·4		55·6	1·1		
9·4		58·6	18·8		9·5
9·9		59·9	59·0		
10·3	44	0·6	31·6		
9·9		1·1	13·5		
10·4		2·6	10·6		
10·3		7·1	5·0		
10·4		12·1	1·8		
9·9		17·6	47·3		9·5
10·1		22·6	6·8		
9·8		24·6	37·9		
10·4		24·6	12·0		
8·8		25·6	29·2	C	9·2
10·5		26·1	25·6		
9·8		29·6	37·3	C	9·7
9·5		35·6	26·1		
25pr.	+ 1	5·0	− 3·6		

2821—2880.

mag.	7h. m	s	—21° ′		
10·0	44	35·6	6·1		9·5
10·2		36·3	35·6		
10·3		40·9	1·0		9·2
9·9		41·4	1·4		
10·3		42·6	5·5		9·7
10·5		43·1	22·5		
10·1		49·1	41·3		
10·1		52·1	10·4		9·5
10·4		52·6	59·6		
9·6		52·7	58·1		10·
9·4		54·1	20·7		9·5
10·5		56·6	52·1		
10·3	45	1·6	40·9		
9·8		2·6	7·1	a	9·8
9·8		12·6	37·1		9·4
10·4		14·6	8·8		
8·6		20·6	44·3	Cal	7·7
9·5		23·6	25·0		
10·0		30·1	35·2		
10·4		35·1	9·2		
9·2		35·6	43·8		
10·2		36·1	20·0		10·
10·4		40·1	1·2		
10·1		41·1	53·8		
9·6		45·9	1·4		9·6
9·4		47·6	34·6		
10·4		51·6	18·1		
10·4		53·6	23·6		
9·2		54·6	12·0	a	9·2
10·4		57·6	33·6		
9·2	46	5·8	1·7		9·6
10·5		7·6	39·7		
10·3		11·4	1·5		
10·5		17·6	56·6		9·7
10·1		22·6	16·6		
9·5		23·1	18·3		
9·8		27·6	24·0		
10·1		28·6	17·7		
8·7		30·1	23·6		9·1
9·9		31·6	34·5		
9·6		35·3	0·9		
9·0		36·1	23·3		9·4
10·4		37·1	29·4		
10·3		39·1	25·5		
10·1		40·1	49·2		9·4
10·3		41·6	27·8		
10·5		42·1	37·8		
10·4		45·1	6·7		
8·7		48·1	29·7		9·1
10·1		52·6	15·4		
10·4		53·4	58·6		
10·5		53·6	12·2		
10·5		56·1	33·5		
9·8		57·1	52·6		
9·8	47	1·6	29·2		10·
10·5		3·1	33·6		
10·4		4·1	9·3		
8·5		5·6	40·7	C	8·7
9·8		6·1	56·4		
8·8		12·6	5·0	Ca	8·7
	+ 1	5·0	− 3·7		

2881—2940.

mag.	7h. m	s	—21° ′		
10·3	47	19·1	52·9		9·5
9·6		19·6	51·7		10·
8·6		21·0	54·1	Ca	7·7
10·4		22·4	0·0		9·8
10·1		27·0	3·3		
10·0		28·0	37·0		
9·2		28·0	6·0		9·4
10·3		30·5	52·0		
10·3		31·5	16·6		
8·7		37·3	2·2	a	9·1
10·5		42·0	55·7		
9·5		46·3	43·2		
9·8		46·3	29·3		
9·2		52·0	54·8	a	9·0
10·5		53·5	17·7		
10·0	48	3·3	45·9		
9·8		5·6	16·7		
9·8		6·0	58·9		9·7
10·1		7·0	33·4		
10·4		7·2	48·3		
10·1		10·8	14·0		
10·0		11·5	35·3		
9·8		15·3	58·3		9·7
10·5		18·0	24·4		
8·2		20·1	35·8	Ca	8·4
9·7		27·3	36·1		9·5
10·4		29·2	14·2		
10·2		32·6	32·9		
10·2		35·0	1·6		9·7
9·0		36·6	42·2	Ca	8·9
9·8		38·1	27·6		9·5
9·6		47·1	26·1		
10·2		55·6	23·5		9·8
9·2		59·1	40·8	a	9·0
10·0	49	0·1	36·4		9·5
9·4		7·1	34·6		9·3
10·2		17·2	0·4		9·5
10·4		38·6	3·3		9·8
10·4		44·9	31·7		
9·7		48·1	50·4		
10·2		50·1	17·9		
9·7		52·1	34·5		
10·0		52·1	35·9		
10·1		53·1	0·8		9·5
9·2		53·1	44·3		9·3
9·6		54·6	28·9		9·5
9·1		58·1	41·6	Ca	8·5
10·4	50	0·4	13·5		
10·4		3·4	25·2		
10·4		3·6	19·4		
10·4		10·9	8·9		
9·1		12·4	23·5		9·1
9·4		12·9	36·9	a	9·1
9·6		16·4	48·0		
10·2		18·7	57·6		
10·2		20·9	29·4		
9·1		23·4	24·4		9·4
10·2		27·9	8·0		
9·3		28·9	4·5		9·4
10·4		32·9	6·7		
	+ 1	5·1	− 3·8		

2941—3000.

mag.	7h. m	s	—21° ′		
10·0	50	33·4	26·5		9·5
10·4		36·4	49·9		
9·4		38·9	37·6		9·3
9·8		40·4	10·0		9·5
10·2		42·9	17·0		
10·4		45·9	13·0		
9·4		46·4	16·2		
9·2		51·4	25·3		9·3
10·4		52·4	57·3		
10·4		52·4	49·6		
9·7		53·4	53·7		9·8
10·4		55·4	1·3		
9·9	51	0·4	25·2		9·5
9·3		1·9	3·6		9·5
9·4		5·4	14·0		
10·0		5·9	18·7		
10·0		11·4	34·2		
10·1		20·4	35·9		
9·8		22·9	32·1		9·8
9·7		24·5	13·7		
10·0		24·9	21·6		
9·9		27·9	24·8		
10·4		30·4	21·6		
10·4		32·9	4·4		
9·4		32·9	3·4		9·6
10·4		34·4	13·7		
10·0		41·9	40·4		
10·4		42·9	43·8		
9·9		42·9	53·9		
10·4		47·9	28·9		
10·1		55·9	7·9		
10·4		56·4	34·5		
10·4	52	0·9	46·0		
10·4		7·4	39·7		
10·4		9·9	4·7		
10·1		14·4	53·8		
10·2		16·4	54·5		9·8
10·2		18·9	59·1		
10·2		19·9	50·1		
10·4		21·4	40·5		
9·1		24·9	24·0		9·1
9·4		36·4	4·6		9·3
9·3		39·9	44·0		9·2
9·9		40·4	44·9		9·2
9·2		56·9	3·9		9·2
10·4	53	1·4	23·4		
10·1		1·9	57·8		
9·6		2·9	18·8		
9·7		6·9	8·8		
9·0		6·9	9·0	C	} 8·5
9·2		11·9	44·4		9·6
9·9		12·4	45·6		
10·0		12·9	53·4		
9·3		13·4	6·8		
10·4		14·4	13·0		
10·4		16·9	54·2		
9·4		22·1	0·5		9·3
9·1		27·8	45·9		
9·9		28·3	38·9		9·8
10·2		29·1	59·8		
	+ 1	5·2	− 3·9		

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3001—3060.

mag.	7h. m	s	—21° ′		
9·6	53	32·3	55·9		
9·9		35·3	17·0		
10·2		37·3	19·1		
9·8		38·8	41·5		9·7
9·4		39·8	37·4		9·8
9·0		39·8	3·3		9·3
10·1		42·8	43·0		
8·8		44·8	45·2	C–	8·0
9·9		45·8	22·2		
9·7		45·8	12·0		
9·1	54	3·3	44·4		9·3
9·9		4·8	30·6		
8·6		6·3	36·8	C	8·8
9·2		6·8	34·8		9·1
10·1		8·3	31·6		
10·4		10·8	55·6		} 9·8
9·6		10·8	55·8		}
8·8		11·3	32·9		9·0
10·1		13·8	47·1		
9·7		23·1	57·9		
9·9		25·8	47·2		
9·4		28·8	19·5		9·5
10·0		28·8	33·5		
8·0		31·3	56·7	C–	8·1
9·7		36·7	52·2		
9·3		40·2	42·2		10·
9·4		40·2	16·4		9·3
8·8		41·7	32·7		9·3
9·1		43·7	51·3		9·8
10·2		45·2	52·7		
9·8		52·7	21·1		
9·0		54·2	33·6		9·4
9·3		57·2	48·2		
10·1		57·7	41·1		
9·6	55	3·2	26·2		
10·2		3·7	49·1		
9·0		8·9	2·5		9·2
9·6		12·7	11·0		
9·7		15·7	10·4		9·5
9·9		18·7	26·7		
9·8		26·2	5·6		
10·2		34·7	18·3		10·
9·4		36·2	22·5		9·8
10·2		51·2	45·1		
10·2		51·7	56·2		
7·6		53·5	59·7	Cbl	7·7
8·5		56·2	59·4	Cal	8·4
10·0		56·2	48·0		
8·6	56	3·7	1·3		8·7
10·4		3·7	6·0		
9·0		16·2	17·4		9·0
10·2		18·2	7·4		
9·0		22·2	4·4		9·2
10·4		23·2	20·7		
10·2		30·7	20·5		
9·2		31·2	24·9		9·2
9·7		31·2	9·0		10·
10·1		35·7	4·8		9·8
10·0		37·2	35·7		
10·4		46·7	26·6		
25pr.	+ 1	5·3	– 4·0		

3061—3120.

mag.	7h. m	s	—21° ′		
10·4	56	46·7	46·3		9·5
10·4		50·7	47·1		
10·2		51·2	1·6		
10·4		52·7	35·8		
9·1		53·7	48·2		9·1
9·6		53·7	20·7		9·2
10·2		55·5	58·9		
9·9		56·7	39·9		
10·1	57	1·2	6·0		
9·6		1·2	35·7		9·3
8·5		2·2	51·7	a	8·9
9·0		3·7	28·5		9·4
9·4		9·7	35·5		
8·0		10·7	54·9	Cal	8·1
10·3		13·7	22·8		
9·2		15·2	3·1	a	9·3
9·8		21·2	4·4		9·5
9·6		22·2	40·0		9·5
10·4		23·7	36·9		
9·2		34·2	55·1		
9·0		40·7	33·0		9·5
10·4		44·7	21·1		
9·0		45·2	39·5		8·8
10·4		46·7	4·3		
10·4		49·9	1·4		
9·4		52·2	31·3		
10·1		52·7	23·1		
9·7		53·2	35·3		
10·4		55·2	46·9		
10·4		57·1	59·0		
9·8		58·7	21·9		9·8
9·0	58	1·6	33·9		9·5
9·8		3·1	53·9		
9·7		4·1	47·1		
10·4		4·6	34·0		
10·4		5·6	54·6		
10·4		6·6	6·7		
9·0		8·6	51·7		9·3
9·4		9·1	20·8		
9·3		12·6	23·2		9·4
9·9		14·1	45·6		
9·8		20·6	31·5		
9·8		24·1	6·7		
8·0		36·6	1·5	Cal	7·3
10·2		37·0	49·0		
8·3		38·6	27·7	Ca	7·6
10·0		45·6	8·0		
9·0		48·6	42·7		9·2
10·1		49·6	40·2		9·4
10·0		50·6	47·6		
10·2		51·1	7·5		
10·1		52·6	52·5		
8·8		52·6	3·6	Cal	8·2
9·9		53·1	56·1		9·7
9·9	59	2·6	52·1		9·5
10·0		2·6	16·3		
9·6		2·6	3·2		
10·2		13·6	16·7		
10·4		23·6	46·0		
10·1		26·6	22·8		
	+ 1	5·3	– 4·1		

3121—3180.

mag.	7h.–8h. m	s	—21° ′		
10·4	59	27·6	6·1		
10·2		36·6	16·1		
10·4		42·6	1·9		9·8
10·2		51·1	37·2		
10·4		51·6	34·1		
10·4		57·6	56·5		
8·8		58·4	17·1	a	9·0
10·2		58·6	32·5		9·8
10·2	0	1·9	42·4		
10·2		8·4	44·4		
10·2		12·4	5·5		
9·0		17·9	31·2	C	8·5
9·8		20·9	53·2		
9·6		23·4	57·4		
9·3		29·9	3·4		9·8
8·6		33·9	32·5		9·0
9·8		35·4	19·5		9·5
10·2		35·4	23·0		9·8
10·4		35·9	58·0		
9·6		43·4	56·7		
9·8		44·4	50·6		
10·4		46·9	22·9		
9·3		48·4	39·0		
8·8		58·4	52·2	Cal	8·2
9·4		58·9	57·9		9·3
8·4	1	0·4	40·8	Cal	8·7
10·1		2·4	52·2		
8·8		2·4	39·6		9·1
9·6		4·4	57·5		9·8
9·1		5·7	1·3		9·0
10·4		7·0	1·7		
10·4		7·4	17·6		
10·4		11·4	4·2		
10·2		14·4	7·3		
8·8		17·4	19·1		9·1
9·9		18·9	43·6		
8·3		20·9	16·7	Ca	8·2
9·7		24·3	22·1		
9·4		25·3	13·6		9·8
9·7		27·3	53·8		
9·6		32·3	31·4		
9·8		32·8	24·8		
9·6		36·3	16·4		
8·8		40·8	19·2	a	9·0
9·3		43·3	52·6		10·
10·4		44·8	5·4		
9·8		49·3	16·7	a	9·5
9·6		49·3	3·4		
9·9		49·8	29·2		
9·2		50·3	24·9		9·5
9·8		50·3	4·0		9·3
8·6		50·3	41·3	Cbl	8·7
9·1		53·3	40·2	b	9·2
9·2		55·3	4·2	a	9·1
9·4	2	5·8	27·9		9·5
10·4		8·8	17·7		
10·1		10·3	43·6		
10·4		10·8	37·7		
8·8		12·3	25·5		9·3
10·2		14·8	24·3		
	+ 1	5·4	– 4·2		

3181—3240.

mag.	8h. m	s	—21° ′		
10·4	2	15·3	15·8		
10·2		15·8	43·8		
10·4		17·3	35·5		
10·4		18·3	16·0		
9·0		20·3	7·2	a	9·3
9·4		22·3	42·0		9·4
9·9		32·3	38·1		
9·9		33·8	55·1		
9·6		34·3	23·1		
9·8		34·7	58·4		9·5
10·4		38·8	42·7		
10·0		43·3	8·2		
8·0		43·4	46·3	Ca	7·7
10·1		46·4	34·3		
9·2		50·4	26·9		9·5
9·9		57·4	9·5	a	9·3
9·3		59·4	6·3	a	9·4
10·2	3	0·4	10·8		
10·1		0·9	15·0		
10·4		4·4	9·8		
10·2		5·9	49·4		
10·2		11·9	10·0		
10·1		12·9	18·1		
10·4		13·4	25·2		
10·2		13·9	36·6		
10·2		15·4	11·7		
10·2		16·9	4·4		9·5
10·2		21·9	35·0		
8·0		23·4	20·2	al	8·2
10·4		24·9	50·2		
10·4		30·9	49·0		
10·4		31·4	42·7		
10·0		43·3	58·9		9·8
10·4		43·4	44·1		
9·1		44·4	22·3		9·3
10·0		44·4	34·3		
10·2		46·4	49·5		
8·3		47·4	12·6	Cal	7·5
9·8		49·4	46·2		
10·2		52·9	37·0		
10·0		54·9	13·1		
8·8	4	1·9	19·3	a	9·1
9·9		2·9	24·2		
9·6		2·9	35·8		
10·4		3·9	8·1		
9·2		4·4	13·6	a	9·3
10·4		5·9	32·5		
10·2		6·1	1·7		
9·4		8·9	56·1		9·9
10·4		10·4	38·9		
9·6		12·4	18·6		
10·2		13·9	24·0		
9·4		16·6	57·2		
9·3		17·9	58·6		9·5
9·0		18·9	24·5	b	8·9
9·4		21·9	44·6		
10·0		24·9	27·6		9·4
9·8		26·4	24·9		
9·4		26·9	5·1		9·8
10·2		28·3	57·4		
	+ 1	5·5	– 4·3		

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3241—3300.

mag.	8h. m s	−21° ′		
10·2	4 32·4	56·2		
10·4	37·4	9·4		
9·4	46·4	37·2		9·5
9·8	50·9	2·9		
10·2	55·9	20·3		
10·4	56·4	34·2		
10·2	58·4	7·5		
10·4	5 1·9	14·1		
9·4	3·4	5·5		9·5
10·0	6·4	12·6		
9·0	7·4	35·5	a	9·1
8·8	9·4	29·5	Ca	9·1
9·0	12·6	2·1	a	9·2
10·1	15·9	19·2		
10·0	16·4	22·4		
9·8	26·9	35·4		
10·0	30·4	27·8		9·7
10·4	31·4	32·7		
9·8	31·4	16·8		
10·2	32·4	41·9		
10·4	34·9	16·7		
9·9	40·4	39·1		
9·8	50·9	23·5		
9·4	55·4	6·9		9·5
10·4	6 2·4	56·3		
10·1	7·4	30·0		
10·4	10·4	38·4		
10·0	17·9	27·8		
10·2	19·9	59·0		10·
8·8	21·4	22·6	Ca	8·7
10·4	23·9	45·2		
9·6	24·9	0·2		9·5
9·8	24·9	1·7		9·4
9·7	26·4	56·0	a	9·4
10·0	30·4	6·4		
10·4	30·4	51·0		
10·2	30·4	46·1		
10·4	30·4	39·3		
8·8	34·9	37·2	Cal	8·7
9·3	37·4	12·5		9·1
10·4	38·4	51·7		
9·2	41·4	51·4		9·5
9·4	43·4	24·1	a	9·2
10·1	45·9	5·4		
9·8	46·4	58·9		10·
10·2	57·9	51·0		
9·7	7 1·9	10·3		9·3
10·1	2·5	1·4		
10·4	3·4	49·5		
10·0	5·9	15·3		
10·1	6·4	24·2		
9·1	9·9	28·9	a	9·0
10·4	10·9	53·5		
9·9	11·9	39·4		
9·6	12·9	28·9		9·4
9·9	14·9	11·7		9·4
9·3	16·4	21·1		9·4
8·6	19·4	15·2		9·1
10·4	21·4	48·2		
10·0	23·4	27·5		
25 pr.	+1 5·6	−4·4		

3301—3360.

mag.	8h. m s	−21° ′		
9·6	7 28·2	6·4		
9·4	29·7	40·7		9·8
10·0	34·9	36·9		
9·6	36·2	11·3		10·
9·8	37·2	15·5		9·5
10·4	47·4	30·0		
9·7	47·5	2·9		9·7
9·6	49·4	37·1		
10·4	50·5	29·8	?	
9·2	52·2	13·0		9·5
9·3	52·2	0·5		9·7
10·1	52·5	50·9		
9·4	54·2	59·4		9·7
10·4	54·2	3·7		
8·4	55·5	11·3	a	8·8
9·0	8 5·2	34·3		9·4
9·5	10·2	12·5		
9·9	11·2	19·6		
9·9	11·7	46·9		9·5
10·4	14·0	3·1		
8·8	16·0	57·9	Ca	8·4
10·4	22·0	8·8		
10·4	25·2	43·2		
10·4	25·5	38·6		
10·4	26·0	33·2		
8·6	29·4	0·1	Ca	8·7
10·4	30·7	47·4		
10·4	31·2	46·0		
10·0	32·2	23·4		
9·0	35·9	0·6	Ca	9·0
9·3	37·5	45·0		9·8
10·0	47·0	47·8		
10·4	50·0	25·5		
9·3	51·8	59·9		9·5
10·2	55·0	41·4		
9·5	55·5	27·0		
10·4	55·9	17·0		
10·4	56·0	1·4		
10·4	9 3·0	35·0		
9·8	3·0	11·8		
9·5	9·0	56·7	a	9·0
10·4	10·5	36·6		
10·0	11·0	21·0		
9·6	12·0	56·1		
10·4	12·0	4·6		
9·8	13·5	41·4		
10·1	14·5	41·9		
10·2	16·0	1·3		
10·4	20·5	18·6		
10·4	22·0	35·0		
10·4	23·0	30·4		
9·0	30·0	6·1		9·3
8·2	32·0	17·6	Cal	8·2
9·3	35·5	21·4	a	9·1
10·0	42·0	13·7	a	9·4
9·9	43·0	48·9		
10·4	44·1	26·8		
10·0	46·5	22·4		
10·2	48·5	32·2		9·7
9·6	49·0	44·9		9·4
	+1 5·7	−4·5		

3361—3420.

mag.	8h. m s	−21° ′		
9·4	9 51·2	2·2		
10·2	10 7·0	27·0		
10·2	15·8	59·7		
9·4	20·5	32·3		10·
9·9	26·0	37·4		
10·0	26·5	35·4		
9·3	27·0	59·1		
9·4	27·5	45·6		9·4
10·4	28·5	48·0		
10·4	36·0	4·3		
10·2	38·0	6·9		
8·6	39·0	7·1	a	8·7
10·4	50·5	22·1		10·
9·8	51·0	37·1		
9·8	53·0	40·6		9·8
10·2	54·0	41·7		9·6
10·0	58·1	46·7		9·8
9·2	11 2·0	50·3		9·5
10·4	4·0	31·7		
9·3	6·0	6·6		9·4
9·8	9·5	28·6		
10·0	10·0	6·7		9·8
9·9	12·0	33·1		9·2
10·4	12·5	40·1		
9·3	12·8	58·0		9·8
10·4	14·5	6·0		
7·1	16·0	29·8	Cal	6·8
10·1	17·4	44·8		
9·8	20·7	57·2		
10·2	25·1	1·2		
9·0	31·9	52·3		8·7
10·4	33·4	8·2		
8·8	33·9	13·9	a	9·1
9·6	34·9	35·8		
10·4	38·9	3·6		
10·2	44·4	24·2		
10·4	45·4	35·2		
9·8	48·4	1·0	?	
9·8	51·9	23·9		
8·6	53·9	26·6	Cal	8·7
9·6	12 4·4	26·4		
9·6	4·9	47·2		
9·6	10·9	27·3		
10·1	11·9	27·6		
9·6	13·4	52·2		10·
9·2	17·9	36·1		9·6
8·0	21·4	24·7	Cal	8·7
10·2	21·9	18·4		
10·4	22·4	52·2		
10·4	23·9	4·7		
9·4	25·9	34·2		
10·2	36·4	55·0		
10·0	38·9	11·0		9·8
10·4	45·9	52·4		
10·4	46·9	54·0		
9·8	47·6	1·2		9·8
8·8	50·9	1·7		9·3
9·0	13 3·7	32·9	a	9·1
8·8	5·7	40·9	Ca	8·7
9·8	11·7	9·5		
	+1 5·7	−4·5		

3421—3480.

mag.	8h. m s	−21° ′		
8·2	13 15·7	11·2	Cbl	8·5
9·5	18·2	32·7		9·5
8·3	18·7	44·8	Ca	8·5
9·0	18·7	50·8		
10·4	20·2	41·2		
9·9	22·2	40·0		
9·2	23·2	48·0		9·1
8·8	32·7	51·0	a	9·1
10·4	44·2	9·0		
8·8	45·7	37·9	a	8·8
10·0	47·2	11·4		
9·8	50·7	56·2		9·4
9·9	51·2	9·8		
10·4	58·2	12·1		
10·2	14 0·2	55·6		
9·0	1·7	7·7		9·6
9·2	3·7	9·7		9·5
10·2	5·7	45·3		
9·3	5·7	57·5		9·0
9·2	7·7	51·9	a	9·1
10·4	10·2	22·2		
9·4	19·7	57·9		9·7
9·4	22·7	22·6		9·8
9·8	32·7	41·7		
10·4	38·7	39·6		
10·4	40·7	34·6		
10·4	42·2	53·4		
9·8	42·7	12·2		
10·4	48·0	28·1		9·7
9·6	49·0	35·1	:	9·4
10·2	51·5	3·3		
10·1	52·5	50·3		
9·9	53·5	4·2		9·8
9·8	55·5	6·1		9·8
9·4	59·5	51·2	a	9·3
10·0	59·5	24·6		10·
8·3	15 2·0	20·7	Ca	8·3
9·4	10·0	0·7		9·8
9·8	11·5	21·9		
10·0	15·5	39·1		
9·0	17·0	30·2	a	9·5
9·8	20·5	12·3		9·8
10·4	25·5	33·5		
9·9	30·5	11·9		
10·1	31·5	30·4		9·6
9·6	31·5	46·2		
10·4	32·5	38·5		
10·4	37·0	13·9		
9·2	45·0	33·1		9·8
10·4	53·0	7·7		
10·4	53·5	51·6		
9·3	55·5	3·4		9·5
10·4	56·0	19·1		
10·4	16 2·0	36·7		
10·4	6·5	10·1		
10·4	7·8	30·9		
9·6	8·0	52·6		9·5
9·0	11·5	43·4		9·1
9·3	12·5	11·3	a	9·5
9·8	24·5	4·2		
	+1 5·9	−4·6		

3481—3540.

mag.	8h. m	s	—21° ′		mag.
10·4	16	25·5	12·7		
9·9		29·5	51·5		
9·2		30·0	23·4	a	9·5
10·2		32·5	55·0		
9·2		34·5	38·5		9·4
10·2		35·5	52·5		
10·4		37·5	23·6		
9·8		38·5	10·1		
9·0		39·5	41·8		
9·3		40·5	15·9		9·5
10·4		42·5	26·7		
9·8		45·5	53·9		9·4
9·4		48·0	51·6		
9·3		51·0	55·0	a	9·2
9·9		55·5	34·5		
9·0	17	3·5	12·2	a	9·4
10·0		6·5	12·0		
8·2		7·5	44·0	Cal	8·4
9·3		8·0	23·3		
8·8		9·0	8·8	a	9·2
8·6		10·5	43·9	Ca	8·8
9·8		15·0	29·7		9·5
10·4		16·0	19·0		
10·4		16·0	6·4		
9·6		22·5	2·7		9·4
9·5		26·5	52·3		
8·8		27·5	11·2	a	9·0
10·0		32·0	46·4		
10·0		32·5	59·2		
10·4		43·5	14·1		
9·5		44·5	4·0		9·8
8·8		44·5	10·6	Ca	8·7
9·9		46·5	41·5		
10·2		50·0	5·8		
10·0		51·0	43·2		
9·8		59·5	38·1		
10·4	18	0·5	22·8		
9·8		1·5	3·7		
9·3		3·5	22·0		9·7
9·0		12·0	13·0	a	9·1
9·4		13·5	7·3	}	9·3
9·8		14·0	7·6	}	
9·8		25·5	12·5	a	9·4
10·4		26·0	51·7		
9·8		27·0	16·2		
9·8		31·5	35·9		
10·0		32·5	37·3		9·8
10·0		33·5	16·3		
10·0		34·5	21·0		
10·4		39·3	2·4		
10·4		42·0	58·0		
9·8		44·5	1·1		
8·4		49·8	58·6	C	8·2
10·4		52·5	37·3		
10·4		54·0	55·1		
9·8		56·0	17·2		
9·2		57·5	22·2		9·8
10·4		59·5	19·1		
9·8	19	6·5	50·9		
9·6		9·8	58·6		9·4
25pr.	+1	5·9	−4·7		

3541—3600.

mag.	8h. m	s	—21° ′		mag.
9·2	19	13·5	37·1		9·4
9·6		21·0	30·5		9·7
9·2		22·5	56·9		9·7
8·5		31·5	4·0	Ca	8·5
8·6		32·5	13·4	Ca	8·5
10·4		41·5	50·6		
9·5		42·0	41·9		9·1
10·4		45·5	28·4		
9·2		47·5	51·1		9·0
8·0		49·0	44·1	C	7·0
9·8		52·5	0·2		9·4
8·8		53·5	10·2	Ca	8·5
10·4		54·0	27·6		
10·4		54·5	31·4		
10·4		55·5	5·1		
9·8		59·5	28·6		
10·4	20	1·0	49·4		
10·4		12·5	22·3		
10·0		13·5	4·8		9·5
9·6		15·5	42·8		10·
8·8		21·4	58·7		9·0
10·4		22·6	14·5		
9·4		24·1	8·7		9·8
8·8		27·4	57·8		9·2
10·4		28·6	11·9		
9·3		31·6	53·3		9·4
10·2		35·1	41·5		
9·4		40·6	6·8	a	9·5
10·4		40·6	9·2		
10·4		42·1	58·6		
9·8		43·6	57·8		
10·1		49·6	29·0		9·7
10·4		52·1	48·7		
10·1		54·6	8·3		
10·0		56·6	30·4		
9·3		57·1	6·1		9·8
8·8	21	1·6	9·2	Cal	8·5
9·4		11·6	2·7		
9·4		11·6	8·4		
10·4		11·6	48·7		
9·4		13·1	20·6		
10·4		13·6	37·0		
10·4		14·1	5·5		
9·8		14·6	47·6		
10·4		16·6	5·7		
9·5		21·6	1·9		
9·2		21·6	13·0	a }	9·0
9·0		22·6	13·1	a }	
9·3		23·1	26·1		9·3
10·0		23·6	58·3		9·5
9·6		24·1	33·8		
9·4		29·6	19·4		9·4
10·0		30·7	32·6		
10·4		40·7	12·7		
10·0		41·7	59·2		
10·4		50·2	2·2		
8·8		53·7	45·4		9·0
9·8		53·7	25·9		
10·4		57·2	23·7		
9·8		57·7	26·8		9·5
	+1	6·0	−4·8		

3601—3660.

mag.	8h. m	s	—21° ′		mag.
10·4	21	59·7	59·5		
10·4	22	3·7	11·5		
9·9		11·7	28·9		
10·1		12·7	13·0		
10·4		18·7	45·3		
10·2		19·7	46·6		
10·1		20·2	3·8		
9·4		23·7	58·4		10·
9·3		33·2	30·9		9·6
10·2		41·7	58·5		
8·5		43·7	54·7	Ca	8·7
8·6		43·7	30·4	a	9·0
9·8		43·7	12·0		9·5
10·4		50·7	3·8		
10·4		52·2	40·4		
9·2		55·7	21·7		9·5
9·8		59·7	22·9		9·8
10·0	23	8·7	31·5		
10·4		9·7	41·3		
10·4		12·2	53·9		
9·9		15·7	0·0		
10·4		18·2	50·2		
10·4		21·7	31·6		
9·0		21·7	40·0	a	9·4
9·6		24·8	45·2		
9·8		27·3	53·8		
10·4		28·3	33·6		
9·8		28·8	39·4		9·4
10·4		33·3	13·6		
9·3		33·3	55·1	a	9·0
9·8		42·8	3·2		
9·4		46·3	16·7		9·4
9·5		48·3	42·4		9·5
9·6		49·8	0·5		9·5
10·4		50·0	0·1		
9·0		51·8	22·3		8·9
10·4		59·3	49·2		
10·4	24	3·3	3·3		
10·1		5·3	20·0		
10·4		6·8	55·5		
10·4		11·8	32·1		
10·4		18·8	39·6		
10·0		22·8	57·6		
10·1		22·8	53·2		
10·1		29·8	27·5		9·7
9·8		35·8	1·8		9·6
10·2		37·3	21·5		
10·2		44·8	46·9		
10·4		51·8	5·6		
9·6		53·8	7·7		
8·8	25	2·2	59·1	a	8·8
10·2		6·3	45·5		
10·4		8·8	28·1		9·7
10·4		15·8	55·9		9·7
10·4		27·8	21·9		
10·4		30·8	59·2		
9·8		42·8	27·2		
10·4		50·8	30·2		
9·9		57·3	45·6		
10·0		59·8	13·8		9·5
	+1	6·1	−4·9		

3661—3720.

mag.	8h. m	s	—21° ′		mag.
10·2	26	3·7	32·7		
10·4		5·8	36·5		
10·4		10·8	8·9		
10·4		13·3	36·6		
10·0		13·8	35·5		
10·4		14·8	50·5		
10·2		18·3	31·2		10·
10·4		18·8	28·4		10·
10·4		27·8	11·3		
9·0		32·3	42·5		9·4
9·0		32·8	9·8	a	8·9
9·3		43·8	53·4		9·6
10·1		43·8	3·5		
10·2		44·8	25·9		
10·2		45·8	28·3		
9·8		50·8	37·4		9·8
10·1		54·8	52·2		
10·2	27	2·3	6·6		
10·4		15·8	4·0		
9·0		24·6	55·8		9·2
9·0		28·1	19·3	Ca	8·5
10·4		32·8	38·5		
9·6		36·3	54·4		
8·8		39·8	54·3	Cbl	8·0
9·9		41·8	50·4		
10·2		42·6	6·0		
10·4		44·1	9·5		
9·5		45·8	28·5		9·4
9·4		56·3	29·1		9·5
9·8	28	0·3	30·1		9·6
10·4		2·8	37·4		
10·4		2·9	59·7		
9·3		3·6	36·9		9·4
10·2		6·7	18·7		
10·0		11·1	34·5		9·4
10·4		11·5	26·0		
10·0		12·5	34·4		
10·4		13·6	27·0		10·
10·4		15·3	54·2		
9·5		21·0	33·7		9·4
10·5		21·1	21·9		
7·8		24·5	36·4	Cal	7·9
9·0		32·3	5·3		9·0
10·2		35·3	36·0		
9·6		36·8	12·6		
9·6		40·8	28·9		
10·5		44·3	20·1		
9·4		44·8	18·8		9·5
9·6		48·8	46·5		
9·2		53·3	0·0		9·7
10·5	29	3·3	31·3		
10·0		4·3	55·9		10·
10·5		5·8	9·2		
9·5		6·3	58·2		
10·0		7·8	55·9		
9·5		10·3	23·9		9·8
9·6		15·3	25·8		10·
7·9		20·1	1·9	Cal	7·5
8·8		24·6	2·0		9·1
8·6		26·3	8·2		9·0
	+1	6·2	−5·0		

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3721—3780.

mag.	8h. m	s	−21° ′		
9·9	29	26·3	50·7		9·7
10·0		26·3	14·5		
9·3		29·8	47·8	a	9·0
10·0		32·3	2·9		
10·4		32·7	12·6		
9·6		32·8	23·2		9·5
10·5		33·2	11·9		9·8
8·0		33·5	49·5	Cal	6·8
10·5		36·2	35·7		
8·9		36·7	56·9	Ca	9·1
10·5		39·2	35·9		9·5
10·2		43·7	55·9		
9·0		44·2	26·4		9·4
8·9		45·2	45·3		9·8
10·2		57·5	2·0		
9·3		59·7	21·7		9·7
9·2	30	2·2	32·5		9·6
10·2		2·7	34·9		
9·9		6·2	33·3		9·6
10·4		11·2	6·2		
9·3		18·7	29·6		9·6
8·4		19·2	33·6	Ca	9·0
10·4		22·2	27·8		
9·2		24·7	29·3		9·6
10·4		27·2	16·8		
10·4		28·2	29·6		
9·6		28·2	23·2		9·3
9·6		28·7	45·2		
9·4		32·2	48·2		9·7
9·5		40·2	52·9		
9·6		41·7	9·8		
8·4		43·7	44·4	C	9·1
8·8		44·2	32·7	Ca	8·9
9·4		47·2	34·4		10·
8·6		52·7	32·9	a	9·1
9·6		53·2	31·0		
10·4		53·7	56·7		
10·4		59·2	2·9		
10·0	31	5·7	26·6		
9·5		8·2	21·0		
10·4		10·2	48·7		
10·4		14·7	26·1		
10·0		16·0	1·1		
10·4		22·2	28·5		
10·4		23·2	8·0		9·6
9·9		38·2	6·0		
9·3		43·2	42·8		9·6
9·9		43·7	56·1		9·5
10·4		43·7	44·5		
10·2		50·7	27·9		
9·6		51·7	52·7		9·8
8·6		57·7	5·2	a	9·0
10·4	32	6·2	38·5		10·
10·2		8·2	41·0		9·5
9·9		14·7	25·1		9·8
10·4		17·2	44·3		
10·5		18·7	8·3		
10·2		20·2	3·9		
10·5		21·7	29·7		
8·9		35·7	51·6		9·4
25pr.	+1	6·3	−5·1		

3781—3840.

mag.	8h. m	s	−21° ′		
9·8	32	36·2	53·8		
9·3		42·7	30·9	a	9·0
8·4		43·2	44·5		8·7
9·4		45·7	55·0		9·8
10·0		45·7	27·6		
9·8		48·2	54·0		
9·6		56·2	5·0		10·
9·5	33	2·2	18·3		9·2
9·9		4·2	55·6		
9·5		4·2	44·0		9·8
9·8		9·2	52·6		
10·5		12·2	15·2		
9·4		13·2	18·8		9·2
10·2		13·7	32·4		
10·5		13·7	20·5		
10·5		14·7	16·6		
10·5		16·2	20·7		
9·8		16·7	17·8		
10·4		24·7	13·3		
10·4		25·2	54·5		
10·5		26·7	43·4		
7·8		28·7	38·7	Ca	8·1
10·4		33·7	12·4		
10·2		38·7	15·2		
10·2		42·2	4·3		
9·8		46·2	21·8		9·4
8·8		48·4	1·2		9·0
8·6		56·2	29·1	Ca	8·1
9·6		59·7	16·2		9·3
10·5	34	5·9	1·6		
9·4		6·2	35·6		
10·0		7·7	2·9		
9·3		10·0	59·5		9·5
10·4		11·2	40·9		
9·9		12·7	45·1		9·5
9·3		14·2	38·3		9·5
10·2		17·2	36·9		
10·4		18·7	49·5		
10·2		29·2	29·9		
10·5		30·2	54·9		
9·9		38·2	5·1		9·8
10·4		39·2	47·1		
9·5		40·2	29·7		9·7
10·0		40·2	3·1		
10·5		45·7	27·9		
9·9		48·4	58·8		
10·4		52·2	55·3		
9·8		58·7	4·7		
10·5	35	14·7	59·8		
10·5		31·7	50·9		
9·4		35·7	10·5		9·7
10·2		36·2	13·5		
10·0		39·7	49·3		
10·4		42·2	53·5		
9·6		52·2	27·0		9·8
10·5		54·7	8·3		
10·2	36	0·2	41·3		
7·6		3·2	44·9	Cal	7·2
10·0		8·2	46·0		9·5
9·4		12·2	24·3		9·3
	+1	6·5	−5·2		

3841—3900.

mag.	8h. m	s	−21° ′		
10·5	36	13·1	27·3		
9·2		13·1	0·4		9·6
10·0		19·7	56·0		
8·4		22·2	34·8	Cal	7·7
9·3		24·7	6·8		
9·3		33·2	38·2		9·3
10·2		43·2	22·2		
10·5		44·2	21·1		9·8
9·8		45·2	48·7		
10·5		51·2	46·7		
9·3		53·2	14·3		
9·4	37	1·7	23·9		9·7
7·4		2·2	56·3	Cal	7·7
8·2		2·2	7·5	C	8·3
10·5		4·4	0·3		
9·6		8·7	5·8		
9·9		10·7	39·4		
10·0		13·7	44·0		
9·6		16·7	38·7		9·7
10·4		16·7	15·6		
10·4		20·2	7·7		
9·0		29·2	47·1		8·8
9·0		36·2	22·2		9·1
9·6		38·2	45·8		
8·4		42·7	32·9	C	8·3
10·5		44·2	10·1		
10·0		47·2	42·6		
10·5		51·7	8·1		
9·8		56·2	50·2		10·
9·8		57·2	42·7		9·9
9·8	38	8·7	43·1		9·6
10·5		11·7	44·3		
10·5		13·2	57·7		
10·2		14·2	52·2		
10·0		17·7	39·9		
9·3		22·2	7·2		9·5
9·3		27·2	12·1	a	9·0
10·5		28·2	25·0		
9·4		29·7	3·6		9·5
9·3		39·2	9·6		9·0
10·0		40·7	22·7		
8·4		44·2	11·5	Ca	8·0
9·9		47·2	29·6		
9·5		47·7	38·0		
9·4		48·7	20·0		
8·2		54·2	14·8	a	8·7
10·5		54·5	0·1		
9·4		56·9	1·9		9·7
9·3	39	6·2	46·1		9·7
10·4		12·1	49·4		
8·4		13·6	50·7	C	7·8
10·2		15·1	37·9		
9·6		15·1	30·7		9·4
10·5		18·6	5·0		
8·7		20·3	1·7		9·1
10·5		23·1	29·3		
9·2		23·1	32·0		9·4
10·5		25·1	47·5		
10·0		27·1	30·2		
10·4		32·1	18·8		
	+1	6·6	−5·3		

3901—3960.

mag.	8 m	s	−21° ′		
10·4	39	33·1	39·9		
10·0		41·6	5·0		9·8
10·0		50·6	19·7		
9·2	40	3·1	48·2	C	8·6
10·5		10·1	14·2		
9·6		16·6	40·0		9·4
10·2		27·1	8·2		
10·4		27·6	43·3		
10·5		30·1	48·0		
10·5		33·1	43·2		
10·2		37·1	27·0		
9·5		40·1	47·5		9·7
10·5		42·1	21·6	?	
10·5		44·1	25·9		
9·6		53·6	53·5		9·4
8·9		56·1	25·5		9·0
9·4		58·1	42·8		9·7
10·4	41	0·6	32·1		
9·9		4·1	21·1		9·7
8·8		6·6	36·3		9·5
10·5		16·6	31·0		
10·0		19·6	20·8		9·8
8·4		22·1	12·6	C	8·5
9·0		26·1	54·7		9·0
10·2		34·1	33·5		
10·4		36·6	47·0		
10·0		38·1	51·0		
9·2		41·1	13·1		9·1
10·5		53·6	42·3		
10·0		56·1	10·9		
9·4	42	1·6	40·3		
9·3		5·1	6·9		9·0
9·0		11·1	26·4		8·9
10·2		12·6	39·0		
10·0		16·0	57·0		9·7
10·4		22·1	32·0		
9·6		24·0	59·4		9·8
10·0		26·1	40·8		
8·8		29·6	48·2		9·0
8·8		31·6	56·7	a	8·8
8·2		49·1	25·7	Cal	8·5
10·2		56·1	28·2		
10·4	43	6·1	26·7		
10·0		10·1	12·9		
9·6		25·6	18·9		
10·0		28·6	41·9		
10·5		35·6	50·9		
9·8		42·0	24·7	a	9·4
10·0		45·0	45·0		
9·9		51·5	21·7		
10·4	44	11·0	31·3		
9·5		13·5	27·4		9·3
9·6		18·5	34·1		
9·2		32·5	28·9		9·0
10·2		36·5	14·0		
10·4		45·0	51·8		
9·8		45·0	20·7		9·5
9·2		46·0	26·3	a	9·0
9·5		49·5	34·9		9·3
10·0		51·5	34·8		
	+1	6·8	−5·4		

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3961—4020.

mag.	8h. m	s	—21° ′		
10.5	44	56.2	1.3		
10.5	45	5.0	47.4		
10.5		6.0	51.3		
9.8		6.2	59.5		9.2
9.0		7.0	47.9	a	8.7
9.0		15.5	43.2	Ca	9.0
9.8		19.5	11.9		
10.2		25.0	31.9		
8.4		31.0	53.5	Cbl	7.7
10.2		31.0	7.2		9.4
10.4		33.0	41.0		
10.0		36.5	54.8		
9.8		37.5	7.4		
9.4		44.0	50.6		
9.3		54.0	7.8		9.5
9.6		54.5	36.9		9.8
10.0	46	17.5	36.9		
9.4		21.0	31.0		9.2
9.0		22.5	47.2	Ca	8.7
9.9		30.0	8.5		9.7
9.2		32.0	26.9		9.0
10.0		42.5	35.3		9.5
8.7		43.0	48.9	a	9.0
9.6		49.0	54.9		
8.4		49.0	1.5	Ca	8.2
10.5		52.0	12.4		
10.2		56.0	14.9		
10.4	47	2.5	30.9		
10.0		5.5	45.9		
9.3		6.0	15.5	Ca	8.8
10.0		16.0	48.4		
10.4		20.0	27.1		9.8
9.2		20.5	49.1	Ca	8.7
10.5		24.5	17.9		
7.8		31.7	38.7	Ca	7.7
9.8		31.8	1.1		
9.8		34.5	38.1		
10.0		37.5	33.2		
10.5		38.8	57.7		
10.2		51.0	35.5		
9.4		54.5	19.1		
10.0	48	0.5	7.9		
10.4		1.0	20.2		
9.0		1.2	27.5		9.2
9.4		2.7	5.7		9.4
10.2		9.5	39.5		
10.4		16.0	47.8		
10.4		17.5	38.3		
9.9		17.5	2.1		
9.4		20.0	1.8		
10.2		20.0	6.1		
9.8		21.7	45.7		
10.2		22.0	26.0		
9.6		26.0	24.9		9.5
8.8		40.4	20.2	C	8.8
9.8		58.7	5.1		10.
9.8	49	9.0	36.8		
9.2		13.0	52.9		9.4
9.2		19.7	56.7		9.1
9.6		25.4	42.5		9.4
25pr.	+ 1	7.0	− 5.6		

4021—4080.

mag.	8h. m	s	—21° ′		
9.0	49	33.7	41.9		9.5
9.6		46.7	3.1		9.0
8.8		48.0	16.1	C	8.3
9.4	50	0.0	48.3		9.8
8.8		12.7	6.8	a	8.5
8.7		12.7	21.0	C	8.5
9.2		15.7	38.2		9.5
9.8		20.0	30.3		9.3
9.8		29.7	10.8		
9.4		41.4	20.5		9.5
9.8		59.0	12.0		9.4
9.8	51	0.4	41.1		9.5
9.4		17.5	55.3		9.3
9.8		38.0	40.7		9.7
9.4		53.0	24.5		9.4
9.8	52	1.2	6.0		
9.8		6.0	13.5		
9.2		26.8	16.0		9.2
9.8		31.2	25.1		
9.8		41.7	1.8		
9.8		49.5	44.3		
9.2		57.5	4.9		9.0
9.2		58.8	0.5		9.4
9.8	53	0.5	28.8		
9.8		20.0	22.3		9.8
9.6		29.0	3.9		9.5
9.8		31.0	55.7		
9.6		32.1	27.1		9.1
9.5		33.1	33.4		9.0
9.8		36.3	30.5		10.
9.8		47.6	28.7		
9.6		51.6	22.0		
8.2	54	8.1	39.0	Ca	8.4
9.6		22.1	8.5		9.3
9.6		29.8	35.2		9.5
8.3		49.6	59.7	GCbl	8.2
9.8	55	9.3	1.9		9.7
8.5		26.6	31.0	C	8.3
9.8		34.3	11.3		
8.6		44.3	54.4	Ca	8.3
9.1		47.6	35.1		8.7
9.6	56	21.9	28.0		
9.8		31.8	18.9		9.8
9.4		38.6	22.1		9.5
9.4		46.3	28.3	a	9.1
9.0		48.7	1.8	a	9.0
9.6		54.0	0.3		9.8
9.5	57	10.8	56.1		9.3
9.8		26.3	2.9		9.8
9.0		29.3	4.8	a	9.0
9.8		46.9	24.5		9.4
8.8		51.1	41.1	Ca	8.5
9.2		51.8	3.3		9.4
9.8	58	19.8	42.2		9.5
9.8		22.8	35.1		9.8
9.8		36.1	16.6		
9.8		36.4	53.6		9.5
9.0		37.1	29.5	C	8.5
9.1		38.1	4.9	a	9.1
9.5		39.6	13.9		
	+ 1	7.3	− 5.8		

4081—4140.

mag.	8h.–9h. m	s	—21° ′		
9.8	58	54.5	36.4		9.5
9.8	59	3.5	9.0		
9.8		4.5	6.9		
9.1		9.5	27.6		9.4
9.4		17.0	53.3		9.5
8.8		20.0	32.6	C	8.9
9.8	0	12.0	53.9		
9.8		18.8	8.6		
8.5		19.0	2.1	Ca	8.0
9.8		25.4	11.2		9.8
9.8		32.7	39.2		9.8
9.8		40.5	54.2		9.5
8.4		50.5	52.7	Ca	8.1
9.8		53.2	29.1		
9.1		58.5	24.6	a	9.0
9.1	1	1.2	52.1		9.1
9.6		2.2	50.0		9.4
9.8		5.5	27.6	a	9.3
9.8		8.3	45.2		9.5
9.6		10.9	58.8		9.4
9.8		13.4	19.7		
9.5		13.6	1.2		9.3
9.8		20.7	30.6		
9.8	2	11.5	27.5		9.9
8.6		28.5	33.7	a	8.7
9.8		38.0	30.0		
9.8		50.4	27.0		
9.6		53.5	12.7		9.4
9.8		57.7	44.3		
9.8	3	1.0	38.4		
9.2		1.7	35.5		9.4
9.8		5.0	56.1		
8.8		5.5	28.7	C	8.6
9.1		19.0	53.2		9.0
9.5		27.5	16.8		9.3
9.2		36.1	0.7		8.9
9.8		52.2	20.8		
9.4	4	1.1	47.8		9.1
9.0		9.3	11.7		8.9
9.8		40.3	28.2		9.8
9.2		55.6	56.0		9.3
8.8	5	13.8	13.6	Ca	9.0
9.2		15.8	38.9		9.2
9.2		17.4	33.0		9.2
9.8		29.3	34.8		
9.8		30.2	0.8		
9.8		39.3	0.9		
9.8		56.0	57.8		9.5
9.2		58.8	54.9		9.4
9.2	6	11.1	43.2		9.0
9.2		15.8	39.4		9.4
9.8		26.1	0.3		
9.6		55.8	56.7		
9.2		58.8	14.3		9.5
9.8	7	8.4	15.5		9.8
8.8		9.3	18.7	a	9.0
9.8		18.4	52.8		
10.4		27.0	21.8		9.8
10.8		27.7	26.1		
10.3		43.7	37.2		
	+ 1	7.6	− 6.0		

4141—4200.

mag.	9h. m	s	—21° ′		
10.2	7	45.1	36.6		9.7
9.8		45.6	27.4		9.7
10.0	8	2.4	12.2		9.4
8.8		16.2	33.4	MC	8.7
9.4		29.4	28.0		9.8
9.0		29.4	15.8	Ca	8.9
10.2		42.0	2.4		
10.7		42.7	13.0		
10.8		46.2	57.6		
10.4		50.9	4.2		
10.8		51.2	7.0		
9.3		54.0	59.1		9.4
10.8		58.4	7.2		
10.6		59.8	28.3		
10.8	9	11.2	46.4		
7.8		11.7	45.8	Cbl	8.2
9.3		14.7	18.4		9.8
10.8		16.7	47.0		
10.0		18.7	38.2		9.6
10.4		18.7	36.6		
10.3		22.7	39.0		9.7
10.4		22.7	53.2		
9.2		33.7	16.0		9.5
10.7		36.7	49.2		
10.3		46.7	40.6		
8.8		48.7	36.0		9.2
10.6		48.7	29.4		9.7
10.6		56.7	45.2		
10.0		57.7	21.4		
10.8	10	3.2	4.4		
10.7		4.2	32.0		9.4
10.8		5.7	12.4		
10.6		12.7	47.3		
10.7		18.2	3.6		
10.8		26.7	47.2		
10.4		43.0	3.8		9.5
10.2		46.5	33.5		
9.8		50.0	15.6		9.8
7.8	11	10.5	26.0	Ca	7.3
8.9		12.0	4.1	M	9.0
10.7		16.5	47.4		
10.4		17.5	32.2		9.8
9.8		19.0	53.8		9.8
8.8		27.9	57.9		9.0
10.3		32.0	45.4		
10.4		37.0	22.9	?	
10.8		52.0	3.1		
9.5	12	2.0	49.7		9.3
8.5		4.5	14.3	Cb	8.5
10.6		10.5	55.4		
10.7		13.0	58.2		
10.8		17.0	22.5		
10.7		20.0	58.9		
8.8		25.5	51.9		9.1
9.2		27.5	27.3	C	8.8
10.4		33.5	53.8		
9.2		41.5	27.2		9.7
9.6		43.5	25.6		
10.6		44.5	53.2		
10.0		47.5	8.8		
	+ 1	7.9	− 6.2		

4201—4260.

mag.	9h. m	s	−21° ′		mag.
8·3	12	49·5	5·0	MCa	8·7
10·4		53·2	1·2		
10·8		55·0	25·6		
10·3	13	14·7	1·1		
9·2		27·0	28·9		9·6
10·8		27·5	39·4		
10·7		30·3	9·8		
10·2		30·5	6·3		
10·2		31·8	46·6		
9·0		32·3	6·7		9·2
10·7		43·3	9·7		
10·6		43·3	7·4		
9·3		57·8	3·1		9·6
10·3	14	0·8	42·3		
10·7		3·3	51·0		
10·4		10·0	0·1		
9·2		14·8	10·6	a	9·1
10·7		24·3	35·0		
10·8		25·8	35·4		
9·6		30·8	49·0		9·5
9·8		33·3	41·8		9·8
10·7		33·3	25·8		
10·3		36·3	18·3		
9·4		37·3	46·0		10·
10·3		37·8	54·4		
10·2		40·3	31·1		
10·0		40·3	16·3		9·8
10·8		42·3	25·3		
10·0		44·3	30·1		9·8
10·4		50·8	19·8		
10·6		52·8	44·3		
10·7	15	11·3	20·9		
10·6		14·3	24·2		
10·8		14·3	18·2		
10·7		15·8	41·3		
9·3		17·8	25·0		9·5
8·8		28·8	45·1		9·1
10·8		40·8	12·3		
9·0		54·3	31·7		9·4
8·8		56·6	59·3		9·3
9·0	16	13·1	57·9		9·3
10·2		17·8	31·2		
10·7		23·0	52·5		
8·8		28·5	0·4	MCa	9·0
8·6		33·0	5·5	a	9·2
9·3		34·0	39·1		9·3
9·2		40·0	42·2		9·4
10·8		43·5	7·1		
8·2		51·0	59·3	Cbl	8·2
9·2		52·0	14·4		9·2
10·8		56·5	38·0		
10·8	17	4·0	38·2		
10·8		6·5	21·6		
10·8		9·5	21·6		
9·5		11·0	10·5		10·
10·3		13·0	42·1		
10·0		18·0	11·0		9·5
9·3		18·0	30·0		9·3
8·8		22·0	24·2	Ca	8·7
9·6		22·5	47·4		
25pr.	+ 1	8·1	− 6·3		

4261—4320.

mag.	9h. m	s	−21° ′		mag.
10·2	17	25·0	56·2		
9·5		29·0	12·2		
10·7		30·5	41·3		
10·6		32·0	26·6		
10·8		33·0	49·2		
10·7		39·5	52·9		
8·4		41·0	41·7	C	8·5
7·3		51·5	17·2	Ca	8·0
10·8		55·5	17·7		
8·8	18	3·0	7·6	a	9·4
10·2		7·0	9·7		
10·4		11·5	39·4		
10·8		17·0	5·4		
10·4		26·0	44·9		
10·7		33·0	20·0		
10·8		40·0	42·8		
10·7		40·0	27·2		
9·0		40·8	35·3	a	9·2
10·0		44·8	9·5		
10·2	19	9·8	16·4		
10·2		11·1	0·8		
9·8		18·8	19·4		9·8
9·2		19·1	57·8		
10·8		26·3	0·2		
10·6		34·8	6·6		
10·8		38·3	42·0		
10·2		41·3	43·6		9·8
10·6		51·8	4·9		
10·2		57·8	17·0		
10·4		59·3	34·5		
10·6	20	1·3	41·9		
8·8		4·3	24·4		9·0
10·6		8·3	17·2		
10·7		8·3	3·8		
9·8		11·8	55·6		9·8
9·2		11·8	35·6		9·1
9·3		14·8	39·0		9·4
10·4		19·8	29·9		9·8
10·3		23·3	30·6		
8·6		23·8	34·7	C	8·7
10·8		36·3	22·3		
9·6		36·8	21·4		9·5
10·0		41·8	16·9		
8·8		42·3	20·9		9·2
8·2		50·8	22·4	C	8·6
10·6		59·8	33·5		
10·4	21	5·8	47·4		9·9
10·0		8·8	7·8		9·5
8·4		13·8	25·8	C	8·5
10·0		15·8	46·9		9·5
10·8		31·8	8·6		
10·8		33·8	7·6		
6·3		34·8	47·8	GCbl	4·7
10·4		42·8	40·2		9·7
10·8		50·8	18·0		
10·0		53·8	21·8		10·
10·0		53·8	27·4		
9·2		58·0	0·8		9·4
10·8	22	1·3	6·2		
10·0		7·8	52·0		9·5
	+ 1	8·4	− 6·4		

4321—4380.

mag.	9h. m	s	−21° ′		mag.
9·2	22	9·8	28·4		9·3
7·5		11·8	59·2	MCbl	7·3
10·8		18·3	8·5		
10·0		18·3	8·1		
9·8		29·8	39·1		9·8
10·8		33·8	23·8		10·
8·8		40·8	34·3		9·3
10·8		42·8	17·4		
9·6		44·3	44·2		9·5
8·8		56·3	55·4		9·3
10·3		59·3	16·8		10·
10·8	23	13·3	45·1		
10·7		16·3	58·7		
10·7		21·8	16·4		
10·7		22·8	50·8		
10·8		25·8	42·3		
10·8		29·8	40·2		
10·4		35·3	17·3		
10·6		40·8	52·6		
8·8		42·3	8·8		9·1
8·4		42·8	31·8	C	8·5
10·3		53·3	32·5		9·7
10·8		53·8	7·4		
9·2	24	2·8	25·6		9·1
10·8		2·8	30·0		
9·0		8·8	45·2	C	9·0
10·0		18·2	2·5		
7·8		19·8	35·6	C	7·9
10·8		32·3	2·6		
8·8		35·8	37·4		9·0
10·0		36·3	30·4		9·7
9·0		36·8	40·0		9·1
10·2		38·3	25·4		
10·4		42·8	12·3		
10·8		42·8	15·2		
10·8		51·3	14·4		
10·4		54·8	2·9		
9·0		55·8	8·9		9·5
10·7	25	0·8	28·4		10·
8·2		8·3	10·1	MC	8·3
10·0		21·8	21·5		
8·6		26·3	44·7	C	8·8
10·2		32·3	21·6		
8·9		32·3	2·2		9·1
10·3		35·3	49·8		
10·3		36·3	17·2		10·
9·4		37·8	14·0		9·5
9·2		39·8	32·1		9·3
10·8		40·8	52·6		
9·0		46·8	41·6		9·3
8·6		53·8	8·9		9·3
10·3		59·3	39·6		
10·7	26	1·8	10·0		
10·8		2·8	2·5		
8·3		8·3	12·6		9·0
9·0		13·5	0·5		9·1
10·8		14·3	20·2		
10·7		18·8	44·2		
10·0		21·0	1·1		
10·8		32·2	4·5		
	+ 1	8·6	− 6·5		

4381—4440.

mag.	9h. m	s	−21° ′		mag.
8·8	26	33·7	49·0	M	9·0
9·5		41·7	47·1		10·
10·0		49·7	14·2		9·8
8·8		50·7	40·1		9·1
8·4	27	4·2	12·1		9·2
8·9		6·1	2·4		9·3
10·7		7·7	20·7		9·5
9·6		7·9	21·9		
10·4		8·7	27·3		
10·0		9·2	4·9		
7·6		12·7	58·3	C	8·0
10·6		28·7	27·3		
10·4		42·7	0·5		
9·6		57·7	35·7		9·3
10·3		59·2	44·5		
10·8	28	2·9	1·3		
9·5		17·7	18·5		
10·8		21·2	59·3		
8·6		24·7	17·9		9·2
10·3		40·2	10·2		9·9
8·6		45·3	58·1	C	8·8
10·0		46·7	48·7		
9·0		50·2	6·1	a	9·0
9·4		54·7	39·4		9·8
9·4	29	1·7	50·8		
10·0		8·7	57·3		
9·1		8·9	58·8		9·5
9·5		11·7	28·5		9·5
9·2		56·7	57·0	C	8·9
8·2	30	2·7	23·3	Ca	8·2
9·2		12·2	20·1		9·5
9·6		17·7	44·8		9·7
9·1		24·7	8·8		9·4
10·2		28·2	55·3		
7·5		31·7	26·2	Ca	7·5
9·4		46·7	30·3		9·8
8·6		48·7	52·3	MCa	8·5
9·2	31	10·7	43·7		9·5
9·0		13·0	0·9	a	9·3
9·4		21·2	53·3		9·8
9·0		23·7	7·3		9·4
10·1		26·0	0·4		9·8
9·6		26·7	58·3		9·4
9·2		35·7	59·0	a	9·1
9·6		40·7	41·4		9·8
8·8	32	14·7	4·2	a	9·2
9·4		20·7	5·6		9·9
10·1		33·7	17·4		
9·4		45·7	0·1		9·8
9·8		51·2	51·4		9·5
10·0		54·2	45·4		9·7
9·6	33	4·7	12·7		
10·0		12·7	22·8		
10·1		15·5	10·5		
9·6		22·5	36·3		
9·2		27·7	27·4		9·2
9·1		30·7	31·2		9·2
10·1		52·7	58·6		
9·5		54·7	20·1		9·5
10·3		55·2	54·0		
	+ 1	8·8	− 6·6		

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4441—4500.

mag.	9h. m	s	—21° ′		
9.4	34	4.7	21.2		9.5
9.4		5.0	0.5		9.5
10.0		12.7	20.6		
10.2		14.7	3.8		
10.0		16.2	46.2		
9.4		48.7	2.3		9.3
8.4		52.5	1.0	Cbl	7.7
9.0	35	8.7	29.0		9.2
9.6		10.5	55.5		9.8
9.6		10.7	30.9		
9.6		12.2	36.9		9.8
9.6		21.4	56.5		
8.4		41.7	13.3	C	8.2
10.1	36	1.9	58.0		
9.4		20.7	37.2		9.7
10.0		26.2	50.5		
9.2		42.7	44.4		9.3
10.3		58.7	55.4		
9.4	37	7.2	47.2		9.3
9.6		20.2	32.1		9.1
8.0		28.2	45.0	C	7.8
10.0		35.7	49.2		
8.8		37.2	32.6	C	8.8
10.1		42.5	38.3		
10.0		45.6	1.9		
8.7		46.4	0.9	a	9.0
8.8		56.7	10.8		9.3
9.8		58.7	8.2		10.
9.6	38	16.5	29.8		9.6
9.0		31.5	49.8		9.1
9.8		31.8	1.5		
9.4		41.5	9.7		9.5
9.5		47.5	40.5		
8.8		52.5	22.9	C	8.8
10.2		54.5	41.3		
8.8		56.5	28.9		9.0
9.6	39	3.5	50.8		
8.8		7.5	52.6	C	9.0
9.1		44.0	45.8		9.5
9.0	40	1.5	5.4	M	9.2
10.2		7.0	32.6		
8.8		7.5	10.8	MC	8.7
8.9		30.0	50.8		8.8
10.2		31.0	30.0		
8.6		40.5	45.0	C	8.5
10.1		41.0	22.6		
9.6	41	1.0	52.4		9.4
10.0		4.5	3.6		9.6
10.2		10.5	6.4		
9.4		17.0	10.9		
10.0		17.5	43.4		
8.0		20.5	7.4	MCal	7.7
10.0		32.8	58.9		
9.4		41.5	20.4		
9.5		44.5	11.6		
9.5		50.5	40.0		
10.0		57.0	2.5		
9.4		58.0	32.5		9.6
10.0	42	14.5	3.5		
9.6		23.0	54.8		9.8
25pr.	+ 1	9.2	−6.8		

4501—4560.

mag.	9h. m	s	—21° ′		
9.8	42	29.5	4.9		
10.0		39.2	58.5		
9.2		48.5	11.6		9.9
7.3	43	1.5	26.3	CKbl	7.2
10.0		5.8	43.5		
9.6		10.8	58.9		9.5
9.5		12.3	30.6		9.3
8.9		16.8	37.8	C	8.8
10.2		31.3	35.8		
10.0		31.3	21.2		
10.3		31.5	58.6		
10.3		36.8	51.7		
8.6		37.8	20.4	a	8.9
9.6		45.8	14.5		9.3
9.5		48.3	44.8		
8.7		48.3	11.6	a	8.8
10.1		50.3	29.7		
10.3	44	7.8	21.2		
10.1		9.8	22.4		
10.1		16.8	1.6		9.6
10.3		34.3	37.9		9.8
10.2		36.3	39.8		
9.6		57.3	50.4		9.5
10.0	45	11.3	59.2		
9.4		36.8	17.9		9.4
10.0		48.8	12.6		
10.0		49.8	15.2		
9.0		55.3	10.3		9.5
10.0	46	1.3	48.3		
9.2		30.3	38.2		9.3
10.1		45.5	57.2		
9.6		46.8	42.1		
9.2		52.8	34.2		9.1
9.2	47	0.1	16.1		9.5
9.4		5.3	38.8		
8.8		9.1	21.2	a	9.3
9.2		36.3	19.0		9.5
10.2		50.4	12.4		
9.2		50.8	8.3		9.5
9.4		54.1	15.4		9.4
9.6		56.9	25.7		
10.1		57.3	58.3		9.5
8.8	48	1.9	56.5	Ca	8.8
9.8		10.3	13.9		
10.0		19.6	21.0		9.8
10.3		27.8	49.1		
6.2		43.9	53.9	Gal	6.0
10.4		45.2	27.0		9.5
9.0		48.9	49.1		9.1
8.6		50.4	35.9	C	8.8
10.0		57.4	16.5		9.8
10.4	49	8.4	14.1		9.8
8.2		17.9	44.7	MCal	8.3
9.0		32.4	23.5		9.4
10.4		36.4	42.5		9.8
9.7		36.9	9.7		
9.8		56.4	25.1		9.4
9.0	50	2.4	14.9		9.0
9.0		33.4	47.3		9.2
10.0		40.4	47.2		9.5
	+ 1	9.6	−7.0		

4561—4620.

mag.	9h–10h. m	s	—21° ′		
8.8	50	44.4	50.3	C	9.1
9.5		44.9	44.5		9.4
9.2	51	4.4	28.1		9.5
10.4		18.2	45.2		
9.0		24.9	35.4	M	9.2
10.2		26.4	3.5		
9.1		33.4	47.6		9.7
8.8		34.9	58.3		9.5
10.2		34.9	10.5		9.8
10.0		41.1	23.1		
9.4		50.1	19.5		9.5
10.2		56.1	26.3		
9.6	52	3.1	55.0		9.8
9.6		23.1	11.1		
8.2		51.6	43.5	MCa	7.8
8.6	53	13.6	4.5	Ca	9.0
8.2		14.6	35.4	Ca	8.2
9.2		16.1	32.5		9.3
9.4		17.6	15.6		9.1
9.6		33.1	46.7		
10.0		37.1	13.4		
9.5		50.6	46.8		9.5
10.4	54	16.1	31.5		
10.2		25.1	40.8		
10.2		47.1	52.0		
9.5		51.1	26.6		9.5
9.1	55	8.6	31.7		9.5
10.4		12.6	51.2		
10.4		28.1	40.9		9.5
9.1		43.6	37.6		9.5
10.4		57.1	48.5		
10.4		59.9	1.8		
10.0	56	3.1	8.5		
10.4		9.6	34.6		
9.5		13.1	52.8		9.5
9.5		20.6	13.3		9.8
10.4		33.1	34.1		
10.4		52.1	0.4		
8.5		57.1	29.8	MCa	7.3
10.0	57	43.6	51.5		9.5
9.5	58	16.1	10.3		9.8
8.3		28.6	57.3	MCa	7.8
10.4		31.6	17.0		9.6
9.5		36.1	3.7		9.8
8.2	59	5.9	1.9	C	8.3
9.5		23.1	15.5		9.5
9.4		45.6	56.5		9.5
10.4		46.1	45.7		
10.2		51.5	24.1		
9.8	0	12.5	42.6		
9.0		40.5	47.0		9.0
9.6	1	0.0	40.4		9.4
9.7		1.5	18.4		9.8
10.4		5.4	34.0		
8.8		8.0	54.4		9.0
9.6		21.5	43.5		
9.6		32.0	28.0		9.4
7.8		41.5	52.8	Ca	7.0
9.2		52.0	41.0		9.5
9.4		57.4	51.0		9.3
	+ 1	10.0	−7.2		

4621—4680.

mag.	10h. m	s	—21° ′		
9.5	2	8.5	6.4		9.7
9.6		9.0	40.8		9.7
10.4		10.5	8.6		10.
9.0		15.5	44.7		9.2
7.8		22.0	42.6	Ca	8.2
10.4		24.0	2.4		
10.0		36.4	2.3		9.4
8.3		39.0	51.7	a	9.0
9.0		43.0	41.6		9.4
8.6		54.5	8.6	C	8.3
10.4	3	14.5	29.2		
9.2		29.5	3.0		8.8
8.4		46.0	38.4	C	8.3
8.2		52.0	3.8	Cbl	8.2
9.7	4	2.0	45.6		
9.7		21.5	49.0		
9.6		23.5	26.8		9.5
10.0		39.3	2.6		9.9
9.7		46.0	57.8		9.3
9.0		54.0	47.4		9.3
9.6	5	20.5	45.0		
8.8		36.5	23.8		9.2
9.5		38.4	31.9		9.5
9.0		44.5	24.8		9.2
10.4	6	7.5	8.4		
8.5		14.5	40.1	a	8.8
10.4		15.5	6.0		10.
10.4		29.0	27.2		
9.3	7	59.4	11.1		9.4
8.6	8	8.7	32.1	MC	8.3
10.0		12.4	55.6		9.6
9.0		13.2	25.3	C	8.6
10.2		26.2	18.1		
7.9		43.2	6.5	Ca	7.8
9.0	9	3.2	36.2		8.8
10.2		6.2	32.0		9.7
9.4		23.2	29.7		9.1
9.4		26.2	3.5		9.3
9.6		51.2	58.1		9.8
10.1	10	14.2	45.9		9.5
10.1		31.2	45.4		
8.8		31.7	27.9		9.0
8.8		42.2	57.0	a	8.9
8.3		47.2	51.6	Ca	8.0
10.0	11	44.7	7.8		
9.4	12	16.2	45.6		9.5
9.6		38.2	12.8		9.8
9.3		44.1	7.3		9.8
8.4	13	10.6	20.4	Cbl	8.2
10.3		33.5	9.5		
10.1		37.6	43.0		9.5
10.3		40.1	7.2		9.8
8.2		54.1	53.8	GMC	7.8
9.2	14	5.1	35.1		9.4
10.2		6.1	42.2		
7.8		21.6	59.7		8.5
9.7		22.1	51.1		9.4
9.4		23.1	18.6		9.8
9.7		35.1	13.1		9.7
9.7		49.1	3.8		9.7
	+ 1	10.6	−7.4		

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4681—4740.

mag.	10ʰ. m	s	—21° ′		
9·8	14	52·6	43·1		9·5
8·4	15	17·6	19·3		8·9
6·7		41·6	54·0	GMC	6·7
10·3		52·5	23·9		
10·1	16	2·6	35·0		10·
9·2		35·6	38·0		9·4
10·3		54·6	43·9		
10·2	17	16·5	33·8		9·8
8·9		24·1	38·9		9·1
9·0		50·6	0·3		9·2
8·8		51·6	33·3		9·0
10·2	18	11·6	54·7		
9·0		24·6	49·7		9·6
10·1		30·1	14·2		9·8
8·8		33·1	50·6	MCa	9·0
9·0	19	3·6	39·8		9·2
9·6		6·6	52·0		9·4
9·0		12·6	47·2		9·5
10·2		30·6	7·5		9·8
8·3		38·6	19·1	Cal	7·8
10·3		45·6	55·0		
10·1	20	19·1	21·0		9·8
10·0		21·6	42·0		9·5
9·0		38·6	7·0	Ca	8·9
9·2		53·1	23·3		9·3
9·4		55·6	15·6		9·4
10·3	21	14·4	39·9		
10·3		31·5	20·9		
10·1		43·4	7·1		
8·8		56·9	5·8	Cal	8·5
8·4		59·4	3·9	Cal	8·8
10·0	22	1·4	49·2		9·8
10·3		15·4	23·5		9·5
10·2		26·4	18·3		
10·1		41·4	35·0		9·8
9·0		42·9	45·6	M	8·9
9·7	23	0·4	54·0		
8·7		5·4	36·9	GMCal	8·6
10·0		5·5	47·6		9·8
8·3		11·4	57·3	C	8·8
9·6		12·9	5·1		9·5
9·2		16·4	39·3		9·3
9·6		18·2	2·7		9·7
9·7		33·4	13·2		9·8
7·3		41·4	36·4	GCal	7·5
9·4		42·9	24·8		
7·6		44·9	24·3	GCbl	7·2
8·8	24	9·4	37·5	a	9·6
8·4		37·4	52·9	a	9·1
9·0		38·9	57·3		9·4
10·0		58·4	32·7		
8·8	25	5·9	55·8	a	8·8
10·3		22·9	50·1		
8·5		48·4	11·3	C	9·0
9·8		51·4	26·7		9·8
9·0		52·9	11·4		9·1
8·5		54·4	33·2	MC	8·3
10·2	26	9·9	49·1		
10·2		41·4	5·1		
9·0		45·4	41·7		9·6
25pr.	+1	11·4	—7·6		

4741—4800.

mag.	10ʰ. m	s	—21° ′		
9·2	26	48·4	7·6		9·1
7·0		56·4	53·2	GC	7·0
10·3	27	15·4	19·7		
8·6		15·5	9·0	MCa	8·5
9·0		17·0	19·5		9·0
9·6		23·7	26·1		9·5
8·7		27·0	56·5	GMC	8·5
9·2		44·7	10·0		9·8
9·7		56·7	26·4		9·8
9·6	28	40·4	21·7		9·0
7·9		43·4	33·4	GCbl	7·3
9·6		55·5	28·0		9·5
10·2	29	2·0	6·4		9·5
8·8		29·5	32·5		9·4
10·2		36·5	4·4		9·8
9·1		50·5	39·5	}	9·2
9·0		50·5	40·1	}	
10·2		59·0	18·5		9·7
10·2	30	0·5	0·8		9·8
9·0		1·5	11·2	Ca	9·0
9·0		37·5	28·9	a	9·0
8·7	31	13·8	1·9	Ca	8·7
10·2		23·5	6·3		9·8
9·3		35·5	38·9		9·8
9·1		52·5	14·2		9·3
10·2		58·5	50·0		9·9
9·8		59·5	20·1		
9·1	32	19·5	9·6		9·6
9·1		26·5	13·9	C	9·0
9·1	33	6·5	52·1		9·2
8·8		20·5	18·7		9·2
9·6		26·2	27·5		9·4
8·0		43·2	52·8	Cal	7·5
10·2		44·2	23·9		9·7
9·2	34	12·2	3·9		9·1
9·4		34·2	13·1		9·5
9·4		42·2	27·9		9·8
10·0		46·2	9·5		9·8
10·4		58·2	45·2		
9·0	35	22·2	41·4		9·4
10·0		36·2	57·9		9·4
9·8		47·7	17·2		9·4
10·0	36	10·2	50·9		9·5
9·2		36·2	33·8	MC	9·0
8·0		53·2	51·1	C	8·0
9·2	37	58·4	58·1		9·5
10·4	38	44·8	58·8		
8·6		47·7	53·1	Ca	9·0
10·4		50·2	36·3		9·5
9·8	39	36·3	58·2		9·2
9·4		44·9	0·8		9·1
9·8	40	4·3	56·6		9·0
10·2		57·7	40·2		
8·4	41	21·4	11·1	C	8·0
9·6		23·4	37·5		9·1
10·2		28·2	10·0		
8·3		29·4	41·2	Ca	8·2
10·4		58·4	58·9		
8·8	42	20·4	48·8	a	9·0
9·9		32·4	43·2		
	+1	11·9	—7·8		

4801—4860.

mag.	10ʰ.–11ʰ. m	s	—21° ′		
9·0	42	38·9	45·4	Ma	8·7
10·4	43	3·2	28·4		
10·2		5·2	25·1		9·9
9·8		24·9	32·3		9·3
8·4		26·9	30·2	MCa	8·6
9·8		32·4	11·2		9·8
9·6		51·4	31·6		9·8
10·2	44	25·9	16·7		9·9
9·6		31·9	28·7		9·6
9·0	45	15·4	37·4		9·3
8·0		37·4	24·5	Cb	7·8
9·2		42·4	49·2		9·5
9·0		54·9	31·1		9·2
9·8		55·4	43·2		9·3
9·2	46	49·7	57·1		9·3
9·0	47	2·2	21·6	MC	8·9
10·4		26·4	20·9		
10·2		40·9	33·9		9·4
10·4		46·4	43·2		
9·6		59·0	55·1		9·3
9·4	48	0·3	11·0		9·3
10·4		30·8	26·8		10·
9·4		36·9	17·2	M	9·4
9·9		38·4	42·5		9·4
9·8	49	7·6	5·6		9·4
8·9		48·1	38·1		9·1
9·6		50·1	9·4		9·2
8·9	50	27·6	43·4		9·1
8·4		46·1	22·0	MCbl	7·7
7·8	51	50·1	21·2	Cal	7·2
9·8		51·1	47·6		9·1
9·2	52	54·6	17·0	Ca	9·0
9·0	53	1·8	2·3		9·1
9·3		26·1	6·0		9·4
9·6		29·6	16·6		
8·8		29·6	17·5	a	9·0
9·8	54	4·6	8·9		9·2
8·6		17·1	32·4	a	9·1
9·6		22·6	31·3		9·6
9·8		33·6	39·8		9·2
8·2	55	41·6	10·3	Cbl	8·0
8·2		56·1	28·8	Cbl	8·2
8·3	56	2·1	12·6	Cbl	8·5
9·8		37·5	1·3		9·5
9·6		58·1	23·5		9·9
9·1	57	16·6	46·8		
9·1		22·6	25·1		9·1
9·4		23·6	33·6		9·5
9·8		32·1	3·7		9·8
9·8		34·1	7·5		9·5
8·7	58	3·1	37·5		8·7
9·8		33·4	42·0		9·5
9·2		39·6	53·6		9·8
8·6		52·6	42·8	C	8·8
8·6	59	33·1	25·4	Ca	8·7
8·3		56·6	24·9	Ca	8·7
9·0	0	2·6	47·5	a	8·6
9·6		17·6	43·7		
9·8		34·1	27·7		9·5
8·5		40·6	41·1	a	8·8
	+1	13·0	—8·0		

4861—4920.

mag.	11ʰ. m	s	—21° ′		
9·6	1	8·1	59·7		9·3
9·6		20·1	24·6		9·6
8·8		23·1	16·9	a	9·2
8·6	2	1·3	52·5	a	8·8
8·7		28·1	28·9	Ca	8·3
8·8		37·6	22·7	a	9·0
8·6		43·6	24·0	a	8·9
8·7		48·1	12·9	a	9·1
9·6		48·6	9·1	a	9·1
9·3	3	22·6	9·7	a	9·3
8·9		44·7	57·8		9·0
9·3		51·6	58·8		9·1
8·8		56·1	21·7	a	9·2
8·9	4	8·6	56·6		9·1
9·8		22·1	4·3		9·7
9·6		24·6	10·9	a	9·3
9·5		29·6	10·9		9·5
9·2	5	24·1	23·4	a	9·0
7·7	6	24·6	4·3	GCal	6·5
8·6	7	11·1	21·4	Ca	7·7
9·6		52·7	17·5		9·5
9·8	8	14·2	9·1		9·5
9·4		30·7	28·8		9·3
9·7		37·3	2·7		10·
9·4		53·5	24·2		9·4
8·6		55·6	38·0	Ca	8·8
9·4		58·8	47·8		
9·1	9	12·6	43·3	a	9·2
9·0		40·0	36·7	a	8·9
9·2		54·1	30·9	a	9·5
8·8	10	2·3	19·2	Ca	8·3
9·0		12·8	19·2	Ca	8·3
9·7		29·3	46·3		
8·6		36·3	11·9	Ca	8·3
9·8		47·8	52·0		
9·8		59·1	58·2		
9·6	11	22·8	29·8		9·6
8·2		37·3	27·7	MCal	7·2
9·5		38·6	2·3		9·4
9·7		41·0	23·6		9·6
7·8		45·3	44·9	Ca	8·0
9·7		50·5	1·3		9·9
9·5		54·5	1·4		9·8
9·8	12	17·8	43·5		
9·8		20·5	36·4		
9·8		24·7	56·1		
9·5		29·6	27·6	a	9·2
9·8		34·5	22·6		
9·7		47·2	0·6		
9·8	13	26·3	43·9		
8·6		29·9	32·4	C	8·3
8·8		33·6	13·1	C	8·8
9·7		38·8	59·6		9·8
9·1		50·6	26·5	Mb	9·0
9·6	14	2·6	38·5		
9·4		16·9	38·6		9·5
9·8		20·6	33·3		
9·7		30·1	5·5		9·5
9·8		53·1	4·2		
9·6	15	9·0	2·4		9·8
	+1	13·9	—8·2		

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4921—4980.

mag.	11h. m	s	—21° ′		
9·5	15	13·9	49·5		9·3
9·8		30·5	48·8		
7·4		33·6	25·2	MCa	7·0
9·5		40·6	42·0		9·5
9·7		43·3	49·1		
9·5	16	3·6	27·9		9·6
8·8		31·5	24·2	Ca	9·0
9·8		42·8	32·8		
9·4		49·3	10·2		9·3
9·8	17	9·0	13·3		
9·2		10·5	10·5		9·3
9·7		11·8	8·2		9·8
9·7		44·5	19·0		
8·2	18	11·5	24·1	MCbl	7·5
9·8		13·7	10·7		
9·8		13·7	13·9		
9·8		20·5	18·9		
9·7		28·0	2·1		10·
9·4		35·7	19·8		9·5
9·5		48·5	11·6		9·5
9·8	19	0·5	24·6		
9·7		13·5	27·6		10·
9·7		16·5	25·5		10·
9·7		25·8	0·2		9·8
9·6		33·2	51·5		9·8
9·4		37·8	26·9		9·4
9·7		40·4	48·4		
9·8		47·1	51·6		
9·6		48·1	47·8		
8·6		50·4	18·7	Ca	8·5
9·7		59·4	25·9		
8·2	20	0·5	59·8	Cal	7·7
9·2		17·8	17·3		9·5
9·7		21·3	58·6		
9·8		22·8	1·1		
8·7		51·6	31·8	Ca	8·2
9·6		54·4	18·3		9·4
9·2		57·7	2·6		9·3
9·8	21	23·9	40·4		
8·4	22	34·9	42·4	MCa	7·5
9·8		37·2	57·1		
9·5	23	20·9	27·3		9·7
9·8		23·2	22·5		9·8
9·4		25·2	52·9		9·4
9·6		31·2	45·4		10·
9·7		52·2	51·0		9·9
9·8		52·2	28·9		
9·8	24	5·3	48·2		
9·8		8·5	42·1		
9·8		30·9	58·6		
9·8		31·5	4·0		
9·1		39·8	51·8		9·1
9·8		42·5	26·8		
9·7		52·1	34·9		9·4
9·8		53·0	41·2		
9·6		59·4	1·1		
9·8	25	0·1	24·3		
9·8		1·1	41·2		9·8
9·8		1·5	53·2		
9·6		2·8	48·5		
25pr.	+1	14·5	−8·2		

4981—5040.

mag.	11h. m	s	—21° ′		
9·4	25	17·6	6·4		9·5
9·8		28·3	53·5		
9·8	26	9·0	58·6		
9·8		23·3	55·8		
9·2		30·1	18·3		9·1
9·8		35·4	9·0		
9·8		51·7	13·5		9·5
9·2		56·2	33·2		9·5
9·8		56·9	38·8		
9·7	27	20·0	3·4		9·5
8·4		29·2	45·7	Cb	8·3
8·9		29·7	7·6	Cb	8·7
9·8		31·2	16·5		
9·8		32·4	58·7		
10·0		44·8	49·3		
9·8		50·3	35·9		9·4
9·8	28	0·4	46·1		10·
9·3		18·3	5·5		9·1
10·0		27·8	45·0		10·
10·0		34·5	19·3		10·
10·0		37·3	50·0		
9·9		45·1	22·7		
9·3		55·9	12·7		9·1
9·6	29	10·6	16·9		
8·6		39·6	37·6	C	9·1
10·0		43·1	53·4		
8·2		51·3	47·2	C	8·5
9·6	30	3·2	51·2		9·8
10·0		28·9	37·5		
9·6		30·1	14·9		9·8
10·0		30·4	10·9		
9·6		31·1	19·1		9·1
9·3		38·8	57·6		9·1
9·8		50·9	5·7		
9·8	31	7·4	50·1		
10·0		19·7	5·3		
10·0		33·2	38·6		
9·3		47·4	18·0	a	9·2
9·8	32	1·0	40·6		
10·0		5·0	1·1		9·9
9·3		13·0	5·1	a	9·4
9·5		20·5	10·8	a	9·4
9·8		21·0	33·9		9·7
10·0		23·7	47·5		
9·8		29·0	35·0		9·4
9·3		33·7	46·4		9·3
10·0		35·5	45·3		
10·0	33	2·7	7·9		
9·3		12·0	54·2		8·8
10·0		37·5	27·2		
9·3		44·4	0·5	a	9·2
9·3		59·7	24·5	Ca	8·9
8·6	34	13·3	38·3	MCa	8·7
9·9		19·9	42·0		9·8
10·0	35	1·3	8·8		
9·3		10·8	33·5	a	9·3
8·5		31·3	57·6	GMbtπ	8·5
9·9		43·5	58·7		
8·8		59·9	56·8	a	9·1
8·9	36	0·8	9·6	a	8·9
	+1	15·1	−8·3		

5041—5100.

mag.	11h. m	s	—21° ′		
9·6	36	7·1	11·9		9·3
9·9		8·8	49·4		9·6
8·8		11·3	50·4	a	8·8
9·6		24·5	25·6		9·6
9·3		42·7	5·8	a	9·0
10·0		56·0	2·9		
9·8		58·7	16·5		
9·9	37	6·9	39·1		
9·9		16·8	57·3		
9·6		18·9	8·9		9·5
8·6		45·2	50·9	Ca	8·5
10·0	38	32·1	0·3		
10·0		36·4	0·5		
10·0		57·4	19·2		
9·3	39	5·7	28·9		9·0
8·7		7·7	32·4	C	9·0
9·5		10·4	33·0		9·2
9·5		18·7	29·8		9·8
9·8		52·3	10·1		9·6
9·6		56·8	42·4		9·8
9·6	40	12·3	55·5		9·5
9·3		30·7	50·5		9·1
9·0		51·0	45·0	C	8·5
9·6	41	0·3	37·8		9·7
10·0		10·4	58·5		
10·0		30·7	12·9		9·9
9·8		37·8	35·1		9·7
9·3		45·3	24·4		9·3
10·0		57·8	26·0		
9·3	42	34·0	8·8		9·2
9·3		50·0	47·4	a	9·3
9·6		50·0	32·6		9·5
9·6		55·0	38·1		9·7
8·2	43	0·5	24·1	Ca	8·5
10·0		3·8	45·6		
9·5		36·8	56·2		9·5
10·0		50·6	44·7		
10·0		57·1	35·5		
9·3		59·6	48·9	a	9·0
9·3	44	22·3	18·8		9·2
9·8		22·6	9·9		9·8
9·6		27·6	44·9		9·1
8·3		29·1	26·9	Ca	8·2
9·6		31·1	19·3		9·5
8·7		39·4	42·1	Ca	8·6
9·6		52·3	29·3		
9·8	45	51·4	27·4		10·
9·5		52·4	14·1		9·5
9·9		55·7	21·7		
9·6	46	9·4	56·9		9·8
9·2		16·2	28·9	b	9·0
8·8		17·7	19·6	MCa	8·8
9·6		19·7	35·4		9·7
9·5		29·7	29·9		9·6
9·6		36·9	39·1		9·7
9·6		49·9	20·9		9·4
9·8	47	2·1	30·0		9·4
10·0		22·7	33·6		
9·8		24·4	26·1		
9·6		25·1	18·2		9·5
	+1	15·8	−8·3		

5101—5160.

mag.	11h. m	s	—21° ′		
9·6	47	29·7	20·6		9·6
9·8	48	1·7	9·7		9·9
8·8		4·3	10·5	Ca	8·9
8·0		10·5	12·1	Cal	8·2
9·3		20·8	54·9		9·2
10·0		24·7	2·8		
9·6		32·0	20·2		9·9
10·0		32·2	25·6		
8·5		46·0	35·4	a	8·8
10·0		46·8	53·5		
9·7		56·7	44·8		9·5
9·9		59·2	11·6		
9·2	49	8·4	41·1	a	9·1
9·0		18·5	43·9	a	9·0
10·0		20·2	6·9		
7·8		33·2	29·2	MCal	7·7
10·0		36·7	11·5		9·4
10·0		46·0	35·8		
9·7		56·8	21·5		9·8
8·4	50	7·1	21·9	Cal	8·7
10·0		7·6	9·0		
9·7		8·1	14·6		9·4
10·0		24·0	53·1		
9·6		38·8	18·1		9·5
9·6		40·8	17·7		9·9
9·8		42·3	24·9		9·8
10·0		49·5	20·5		10·
10·0		54·1	15·9		10·
7·3		56·3	50·4	MCbl	7·2
10·0	51	0·0	15·4		
9·4		1·0	45·0		9·2
9·9		10·3	4·9		
10·0		45·1	44·8		9·6
10·0		48·1	45·8		10·
10·0		53·9	3·6		
8·8		59·9	54·5	a	9·2
9·8	52	3·0	0·8	a	9·4
10·0		9·5	13·5		
10·0		19·9	3·9		10·
9·4		28·7	4·9	a	9·4
10·0		44·9	25·7		
9·8	53	0·9	32·0		9·8
10·0		13·4	9·7		9·9
10·0		20·6	19·3		
9·9		39·9	47·0		9·5
10·0		53·9	46·9		
9·7	54	4·1	29·7		9·1
7·9		6·4	10·9	CWal	8·5
10·0		12·6	39·1		
7·0		19·4	8·5	GMWbl	6·2
10·0		26·1	6·3		
10·0		30·9	15·1		
9·6		41·4	24·7		9·7
9·0	55	10·9	45·2		8·8
9·6		11·9	7·9		9·5
9·2		16·6	53·2		8·8
10·0		27·8	57·1		9·8
9·8		40·6	36·0		9·5
9·5		48·3	43·3		9·5
9·8		51·1	24·8		9·8
	+1	16·3	−8·3		

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5161—5220.

mag.	11h.–12h. m	s	—21° ′		
9·6	55	54·3	31·1		9·8
9·5		55·6	45·9	a	8·9
10·0		58·7	16·0		
9·7	56	2·6	22·3		9·8
10·0		3·3	15·6		10·
9·8		4·8	46·4		
10·0		8·3	28·3		
9·6		9·8	6·9		9·3
9·5		20·8	40·4	a	9·5
9·8		24·3	41·2		9·9
10·0		31·6	18·9		
9·6		34·3	31·9		9·3
8·4		36·6	27·3	Gbtlπ	7·5
10·0		38·8	42·1		
10·0		44·3	12·8		
9·4		45·8	13·2		9·0
10·0		49·7	11·1		
9·7	57	21·3	21·5		
10·0		41·8	58·4		
9·5		42·3	3·8		9·2
8·2		48·3	40·5	Cal	7·7
9·6	58	22·0	24·9		9·8
10·0		30·0	4·1		
9·1		32·3	8·9	Ca	9·1
9·2		41·0	53·9		9·4
9·4		43·3	18·3		9·5
10·0		59·3	28·0		
9·0	59	4·0	44·3		9·0
10·0		9·3	15·0		
10·0		21·0	10·4		9·8
9·9		22·0	5·5		10·
9·6		22·8	16·3		9·6
9·9		42·0	22·3		
9·6		45·5	11·0		
10·0		49·7	16·4		10·
9·6		51·9	35·7		9·5
10·0		59·7	36·0		
9·6	0	12·9	37·3		
9·7		30·7	29·1		
9·8		36·7	8·4		9·8
8·6		47·5	40·5	Ca	8·0
10·0		48·7	46·0		
10·0		49·7	43·3		
10·0	1	1·2	24·7		
10·0		4·5	52·8		
10·0		11·9	10·5		
8·2		38·4	33·8	Ca	8·2
10·0		43·9	55·1		
9·4		46·5	23·2	a	9·4
9·0		46·7	52·9		9·0
10·0		49·7	40·3		
9·0		53·5	36·4	a	9·1
10·0	2	0·2	5·7		
9·0		1·0	57·6	C	8·6
9·4		8·2	0·1		9·4
9·6		14·7	25·4		10·
8·4		19·7	49·5	Ca	8·5
10·0		56·2	31·5	a	9·5
10·0	3	12·4	57·5		
10·0		19·7	16·2		
25pr.	+1	16·7	−8·4		

5221—5280.

mag.	12h. m	s	—21° ′		
9·7	3	23·7	55·3		
9·6		35·4	50·5		
9·2		39·2	45·4	a	9·1
9·6		39·7	6·2		9·5
5·1		41·7	55·5	GSπ,βλ	2½
8·5		44·7	0·5	Ca	9·0
10·0	4	12·4	44·8		
9·9		18·2	22·2		9·9
10·0		26·2	10·1		
10·0		45·7	26·3		
9·7		45·9	41·2		9·5
10·0	5	0·2	49·6		
10·0		9·2	51·8		
8·8		9·7	26·0	Ca	8·3
10·0		18·9	7·7		
10·0		27·2	4·1		
10·0		29·2	11·1		
10·0		29·7	0·2		
10·0		36·9	39·0		
9·1		49·2	49·5	Ca	8·8
9·5	6	19·7	3·5		9·5
9·7		25·2	34·0		9·7
9·2		32·0	3·1		9·4
10·0		49·2	16·1		9·5
9·9	7	49·2	17·3		
10·0	8	17·3	36·8		
9·2		19·8	41·9	a	9·1
10·0	9	9·8	12·9		
9·8		20·4	15·1		9·7
7·7		20·8	21·7	Ca	8·0
9·2		22·1	15·7	a	9·1
9·4		28·7	7·0	a	9·1
8·8		29·7	48·3	Ca	8·5
9·8		35·8	4·7		9·5
10·0		43·4	6·0		
10·0		48·6	36·3		
10·0		50·4	14·2		
9·8		59·9	22·7		10·
10·0	10	29·7	28·3		
9·8		31·7	1·0		
9·8	11	1·1	40·4		9·8
8·6		11·4	15·6	Ca	8·3
9·3	12	0·4	39·6	Ca	8·8
9·9		19·4	31·1		
9·6	13	18·9	47·7		9·7
10·0		21·1	45·8		
9·7		23·1	18·9		9·5
8·5		26·7	29·5	Ca	8·7
10·0		38·0	44·6		
9·6		38·7	33·0		9·5
9·6		40·7	45·1		10·
7·0		42·1	28·8	GSlπ,β	6·5
10·0		52·4	59·0	}	9·3
9·6		53·9	58·7	}	
9·4	14	3·4	44·5		
10·0		4·3	5·9		
5·5		6·5	31·2	GStlπ	5·0
9·9		6·9	46·5		
9·7		11·9	8·8		10·
8·8		19·9	37·9	Ca	8·6
	+1	17·3	−8·3		

5281—5340.

mag.	12h. m	s	—21° ′		
9·4	14	26·9	10·8		9·4
9·8		29·5	40·6		9·6
10·0		30·3	58·4		
9·8		56·9	15·7		
9·8		58·9	45·6		10·
8·9		59·9	44·5	a	8·7
9·4	15	8·9	53·9		9·3
9·4		9·4	38·1		9·4
9·6		10·9	41·7		
9·0		17·2	22·1	a	9·2
9·4		19·9	29·0		9·5
10·0		34·3	13·3		
9·8		49·2	33·6		10·
9·2		59·9	45·5	a	9·3
9·3	16	20·2	26·4		9·3
10·0	17	27·2	52·1		
7·9		40·7	22·6	C	8·5
9·6		45·8	21·5	}	9·5
9·4		46·5	21·0	}	
9·4	18	8·4	8·2		9·2
9·6		29·1	51·2		
9·8		38·7	23·3		
9·8		53·8	33·1		9·8
9·4	19	0·6	14·7		10·
9·8		18·6	35·4		
9·9		31·1	40·9		
9·8		36·4	35·0		9·7
10·0	20	2·8	27·2		
10·0		9·4	57·7		10·
9·8		15·4	21·9		9·8
8·1		31·8	41·9	Cal	7·7
9·1		39·4	1·6		9·0
10·0		40·1	7·3		
9·8		40·6	0·9		
10·0		41·2	2·0		
9·2		44·4	21·8		9·4
10·0		44·6	39·4		
9·1		47·4	19·0	C	9·1
8·7	21	15·0	42·4	Cal	8·6
10·0		21·4	45·6		
10·0	22	10·7	48·7		
9·2		11·7	11·7	C	9·0
10·0		26·2	53·5		
10·0		44·1	35·7		
9·8		51·9	57·8		9·8
9·8		59·4	3·9		9·7
9·6	23	1·0	26·0		9·6
9·0		8·0	21·4		9·0
9·4		9·0	53·7		9·4
9·3		11·0	47·3		9·0
9·9		22·2	48·3		
10·0		27·2	29·3		
10·0		29·2	33·1		
8·8		31·0	11·3	Ca	8·5
9·4	24	28·5	10·1		9·5
9·7		39·7	20·5		
10·0		49·6	18·1		
9·8	25	17·1	1·7		
9·6		21·5	32·1		9·7
9·1		35·6	22·2		9·4
	+1	18·0	−8·3		

5341—5400.

mag.	12h. m	s	—21° ′		
10·0	25	39·7	31·5		
10·0		46·7	37·6		
8·0		52·0	28·8	Ca	7·8
9·4	26	1·7	44·1		9·4
9·3		7·2	36·3		9·3
9·9		36·6	44·4		9·8
9·8		37·4	52·3		
9·4		37·9	34·4		9·4
9·6		48·2	33·0		
10·0		49·4	55·6		
9·6		55·0	4·1		
10·0	27	1·2	1·7		
9·9		4·4	49·9		
9·0		16·5	43·9		9·0
9·5		21·0	23·1		9·2
9·1		28·3	33·1		9·1
7·8		40·5	2·2	Cbl	8·5
10·0	28	0·8	31·8		
9·2		6·6	17·7	C	9·2
9·8		7·5	8·6		9·5
10·0		19·3	36·3		
10·0		30·0	29·0		
9·6	29	13·5	51·6		9·3
10·0		17·3	17·9		
10·0		50·0	12·8		
9·7	30	2·3	26·5		9·9
8·8		11·0	39·6	Cb	8·7
9·6		19·3	55·1		
9·7		23·0	32·2		
9·0		23·5	8·7	a	9·0
10·0		42·3	19·1		
9·9		56·5	44·0		9·8
10·0	31	2·0	31·4		10·
9·9		10·3	27·5		9·7
9·5		19·5	29·9	b	9·2
9·4		23·5	31·1		9·4
9·8		46·3	54·1		
9·9	32	20·0	30·8		
8·4		27·0	55·7	C	8·5
9·4		33·7	14·7		9·4
9·4		41·8	58·4		9·0
10·0	33	3·1	29·8		
9·4		5·1	12·1		9·4
9·8		9·9	18·7		9·8
9·7		11·6	5·9		
9·6		18·4	13·1		
10·0		34·7	35·0		
9·8		36·8	27·9		10·
9·4		40·8	37·7		9·4
10·0		41·1	42·1		
10·0		46·6	16·0		
9·2		50·1	23·0		9·3
9·3		52·3	14·6		9·4
9·8		56·6	36·9		
9·2		58·7	2·2		8·8
10·0	34	5·1	55·1		
9·6		39·8	13·9		9·5
9·1		49·8	44·9		9·0
9·9		51·1	29·1		
9·2	35	0·1	30·1		9·1
	+1	18·6	−8·3		

SO 11705.

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5401—5460.

mag.	12h. m	s	—21° ′		
10.0	35	0.6	30.9		
9.5		1.8	31.5		9.6
9.9		9.1	43.2		
8.3		20.6	6.4	Ca	8.5
9.6		21.8	20.3		
9.8		23.3	18.9		
10.0		26.8	26.4		
10.0		36.4	44.8		
8.9		36.8	16.7	a	9.0
9.8		39.6	26.7		
9.4		53.1	53.1		9.5
9.8	36	0.9	21.4		
9.9		3.1	47.9		
9.1		6.8	6.7		9.3
9.8		9.6	19.1		
10.0		10.8	52.3		
9.9		35.3	33.9		
10.0		39.5	2.5		
9.8		42.8	19.9		10.
9.7		45.2	44.3		
9.7		46.0	48.8		
9.8		50.9	2.9		
9.8	37	34.2	4.8		
10.0	38	10.2	4.9		
9.8		12.9	29.9		
10.0		19.9	39.9		
10.0		29.4	2.2		
10.0		38.9	40.6		
10.0		39.5	6.6		
10.0		41.2	21.4		
9.8		50.9	16.3		
9.5		56.9	16.1		9.5
9.6	39	11.5	43.1		9.5
8.0		16.9	5.0	GCal	7.5
8.0		17.6	56.8	C	7.5
9.6		21.9	24.8		
9.7		29.2	55.6		
9.8		33.9	48.4		
10.0		43.2	34.1		
8.7		44.5	21.5	Ca	8.9
10.0		51.5	45.3		
9.5	40	2.7	25.8		
10.0		4.2	15.2	}	9.4
9.5		4.2	15.5	}	
7.7		27.2	26.7	Ca	7.7
9.4		32.2	40.0		9.1
10.0		35.9	19.6		
10.0		38.8	2.2		
9.7		39.2	17.3		
9.8		47.7	12.2		
9.7	41	6.5	56.1		
9.8		14.2	29.1		
9.8		14.6	15.1		
9.8		20.8	0.0		
9.2		26.3	58.8	Ca	8.8
10.0		53.2	5.7		
9.4		54.4	18.5	a	9.4
9.8		59.6	57.5		9.8
9.4	42	1.7	48.2		9.0
10.0		6.0	58.8		
25pr.	+ 1	19.0	−8.2		

5461—5520.

mag.	12h. m	s	—21° ′		
9.2	42	19.0	21.5	a	9.4
9.6		19.4	1.5		9.7
10.0		22.8	17.6		
10.0		25.5	4.2		
10.0		37.0	47.9		
8.7		39.0	6.7	Ca	8.9
8.5		46.7	42.5	C	8.3
10.0		53.7	19.9		
9.6		56.0	33.1		
9.5	43	1.9	59.7		9.8
9.0		11.5	15.8	a	9.1
9.1		16.0	42.4	C	8.6
9.8		18.3	26.3		
10.0		19.0	22.7		
10.0		31.0	21.6		
10.0		43.8	58.3		
9.8		44.0	47.7		
10.0		46.0	28.8		
9.8		53.7	19 3		
10.0	44	1.7	9.1		
9.4		39.5	32.1		9.2
9.6	45	9.4	8.5		9.3
9.4		10.9	41.0		9.3
9.4		11.7	27.7		9.4
10.0		14.7	44.4		
9.9		36.9	52.2		
10.0	46	7.7	32.7		9.5
9.9		23.7	59.7		
9.6		36.7	36.7		9.5
10.0		53.4	53.3		
10.0	47	4.7	16.8		
10.0		8.4	19.7		
10.0		9.7	1.2		9.5
9.7		12.1	9.9		9.9
9.6		24.2	7.3		9.3
9.9		24.3	49.9		
9.6		27.3	10.0		
9.6	48	5.5	34.7		9.3
9.8		8.3	37.8		
9.4		14.3	52.4		9.4
9.8		26.5	20.7		
10.0		30.0	47.3		
9.2		37.7	29.4		9.1
7.9		45.2	4.5	C	8.3
7.1	50	30.1	29.6	GWtlπ	7.0
9.1	51	23.8	1.2		9.1
10.0		47.7	2.4		9.7
10.0	52	16.6	14.5		9.8
9.1		16.6	45.9		9.3
9.4		18.6	53.5		
8.0		46.1	27.1	CWal	7.9
8.4	53	8.1	23.4	Ca	9.1
9.0		14.1	6.4		9.1
9.6		39.1	27.4		
8.4		50.1	6.7	Ca	8.2
8.8	54	49.8	45.8	Ca	8.5
8.8	55	26.3	44.0	C :	8.9
9.6		47.8	58.4		9.3
10.0		52.1	12.9		
10.0	56	45.3	36.3		9.5
	+ 1	19.5	−8.2		

5521—5580.

mag.	12h—13h. m	s	—21° ′		
9.2	58	12.8	54.2	C	9.0
9.1		25.3	38.9		9.5
7.1		53.3	23.9	Cal	7.7
9.2	59	34.3	3.4	a	9.1
9.0	0	27.3	19.7		9.3
9.6		36.3	6.0		9.4
10.0	1	0.3	30.8		
10.0		17.8	35.3		9.5
10.0		18.3	50.9		9.5
9.6	2	2.8	58.4		9.4
10.0		37.8	40.5		9.5
10.0		41.8	10.9		9.4
7.7		57.3	30.8	Cbl	7.4
10.0	3	39.8	59.2		9.5
8.2		42.0	42.2	Cbl	8.0
10.0	4	4.0	52.1		9.2
8.6		5.0	32.2	C	8.8
9.4		15.0	13.6		9.5
10.0	5	26.0	18.4		9.5
8.3	6	36.2	59.6	a	9.0
10.0		37.0	36.8		9.8
9.4		56.4	48.5		9.7
9.1	7	6.3	53.5		9.2
7.7		15.8	41.9	Ca	7.7
10.0	9	1.4	18.1		9.8
7.8		22.3	15.2	Ca	8.0
8.5	10	2.5	7.7	Ca	8.0
8.8		15.6	22.0	Ca	8.9
9.2	11	15.6	43.8		9.2
9.1	12	9.4	24.4	C	9.2
9.4	13	12.4	46.4		9.5
8.4		44.4	28.7	C	8.3
9.3	14	4.4	36.4		9.4
7.9		15.4	43.5	CWa	7.3
8.3		19.9	9.0	Cbl	8.1
9.6		35.9	3.1		9.7
9.1	15	2.9	5.9		9.1
9.4		48.9	36.0		9.4
8.8	17	25.4	48.9	C	9.0
9.3	18	9.4	52.0		9.1
8.5	19	17.9	30.6	C	9.4
8.5		55.4	38.7	C	8.2
9.4	20	18.4	51.4		9.4
8.1		20.4	42.8	Ca	8.2
9.4		38.9	0.4		9.3
10.0	21	13.1	46.2		9.8
8.2		25.1	45.0	Gbtlπ	7.7
9.1		27.6	45.0		9.2
9.1		29.1	5.1	Ca	8.5
9.4		41.6	56.8		9.8
8.6		44.6	46.7	Ca	8.7
9.8	22	11.9	30.0		9.2
8.5		52.6	43.2	Ca	8.5
9.4	23	3.6	42.9		9.5
10.0	24	10.9	32.9		9.5
9.4		31.4	1.9		9.6
8.5	25	58.1	32.1	Ca	8.9
8.6	28	1.5	5.8		9.0
8.0		34.3	58.9	Cbl	7.5
9.0		36.5	51.1	a	9.1
	+ 1	21.0	−7.9		

5581—5640.

mag.	13h. m	s	—21° ′		
7.4	28	42.9	22.9	GCal	6.5
8.5		57.5	44.6	Ca	8.5
9.2	30	2.4	3.9	Cal	8.3
8.0		13.4	12.9	Cal	7.8
8.6		31.4	17.0	a	9.0
9.2		46.4	35.0		8.9
9.6	31	29.9	32.5		9.2
10.0	33	1.9	34.1		9.5
10.0		13.4	45.4		9.6
9.0		33.9	5.4	a	9.0
9.0	34	3.9	8.7		9.1
9.3		11.9	4.3		9.4
9.8	35	25.9	8.8		9.5
8.4		28.4	24.7	Cal	8.0
8.8		58.1	59.7	a	9.0
9.8		59.6	4.3		9.4
10.0	36	2.6	49.5		9.5
8.5		18.1	57.1	Ca	9.1
7.8		27.6	44.2	Cbl	8.2
10.0	37	12.1	48.3		9.7
9.8		35.6	17.9		9.2
9.0	38	51.1	35.1		9.2
9.3	39	15.6	13.6		9.2
10.0		19.6	20.7		
8.8	40	1.1	18.4	Ca	8.9
9.4		34.6	3.3		9.4
10.0		44.4	24.1	a	9.7
9.0		45.6	13.7	a	9.2
9.6		55.4	30.8	a	8.9
8.3	41	37.6	31.9	Ca	7.7
9.4		45.6	12.1		9.4
9.0	42	39.6	9.1		9.1
8.5	43	5.6	28.3	C	7.8
9.6		26.3	42.3		9.2
10.0		43.3	19.7		9.9
10.0	44	5.3	59.8		9.8
9.0		25.3	27.6	Ca	9.0
10.0	45	0.8	17.0		9.8
9.2		27.8	9.4	a	9.0
10.0		32.4	18.4		
10.0		56.8	25.2		9.9
10.0	46	33.4	11.8		
10.0		45.3	13.2		9.8
10 0		51.8	27.8		
10.0		54.8	52.2		
9.4	47	5.7	49.7		9.5
8.5		11.3	36.9		8.7
9.2		14.1	18.1	C	9.0
10.0		15.3	35.4		9.7
9.6		15.7	16.1		9.4
9.8		21.8	50.4		9.3
9.1		32.0	22.3	C	8.6
7.1		35.7	37.5	GC	6.7
8.8	48	33.5	40.0		9.0
9.4		52.0	51.1		9.5
8.9		59.0	45.7	a	9.0
10.0	49	25.8	2.1		9.5
9.4		33.7	41.4		9.5
9.2		36.0	17.2		9.5
9.0		40.0	54.3	Ca	9.0
	+ 1	22.5	−7.5		

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5641—5700.

mag.	13h.–14h. m	s	−21° ′		
9·6	50	0·0	33·5		9·4
8·8		24·0	2·3	a	8·9
8·8		30·0	42·1	a	9·1
9·2	51	27·0	11·4	a	9·3
9·4		38·0	53·1		9·5
9·8	52	23·0	21·1		9·6
8·8		56·0	44·1	Ca	8·5
8·8	54	58·0	16·3	C	8·9
8·6	55	44·0	3·5	Ca	8·2
8·8		54·0	6·3	a	9·0
9·4	56	17·0	47·0		9·1
9·6		33·0	43·7		9·4
7·1		55·0	49·1	GCbl	6·5
9·6	57	7·0	38·3		9·7
9·5		13·0	56·3		9·8
8·4		16·0	9·5	Ca	8·4
8·4		31·0	9·8	Ca	8·7
9·2	58	26·5	18·1	a	9·3
10·0		39·0	39·3		9·9
9·4	59	18·0	56·5		9·3
9·9		38·5	46·2		9·4
8·6		42·5	45·4		9·1
9·2	0	41·0	3·6		9·0
8·7	1	3·0	35·6	Cbl	8·6
9·5		58·0	22·0		9·8
7·6	2	14·1	56·8	CKbl	8·0
9·2		31·9	29·2		9·5
9·6		37·4	11·0		9·4
10·0		45·7	44·8		9·9
9·2	4	16·9	30·4		9·2
9·4		25·4	29·4	Ca	9·3
9·4		40·9	51·0	a	9·1
10·0	5	6·9	45·4		9·9
9·1		55·9	7·0		9·1
8·8	6	42·4	53·1	Cal	8·0
9·2		57·4	32·2		9·1
10·0	7	2·7	53·5		9·8
8·0	8	7·4	58·9	Cbl	7·9
9·6		39·3	59·7		9·8
10·0		47·4	54·7		
9·6	9	9·7	40·5		9·4
9·8		43·4	18·9		9·4
10·0		52·4	28·5		9·6
9·2		59·9	30·1	a	9·2
8·2	10	11·4	12·3	Ca	7·5
7·7		42·4	14·9	Ca	7·0
10·0	12	32·4	10·9		
9·7		42·4	17·1		9·3
9·7		44·4	26·4		9·6
9·4	14	1·4	19·9	a	9·0
10·0		17·9	6·9		9·8
8·6		43·1	1·5	Ca	8·5
9·6	15	1·9	4·4		9·5
9·6		30·7	24·2		9·1
10·0	16	5·2	4·0		9·8
9·2		38·7	7·3		9·0
10·0		46·2	31·2		
8·4		55·2	8·3	C	8·0
9·6	17	3·7	54·4		9·8
9·2		13·7	25·3		9·5
25pr.	+1	23·6	−7·2		

5701—5760.

mag.	14h. m	s	−21° ′		
10·0	17	15·4	2·1		
9·3		22·7	9·4		9·3
9·4		49·9	57·0	a	9·2
9·2	18	4·2	0·3		9·3
9·6		16·2	56·4		9·5
9·4		42·0	3·0		
9·3		52·3	33·4	}	
8·0		53·2	33·6	Cbl }	7·7
10·0	19	8·2	31·4		
8·4		16·9	59·7	a	8·5
9·2		50·2	32·4		9·1
8·4		50·7	18·2	Cbl	8·0
8·6		53·2	6·1		9·1
8·8		56·2	40·6	a	8·9
9·6	20	13·7	55·4		9·3
9·2		23·9	59·7		9·2
8·0		30·2	25·6	Cal	7·2
9·6		39·2	12·4		
9·6		53·2	7·5		9·8
10·0		58·2	10·2		
10·0	21	3·7	14·0		
10·0		5·3	41·0		
9·6		27·7	16·6		10·
8·4		30·2	25·8	Cb	8·3
8·0		31·7	42·3	Ca	7·9
8·7		40·7	32·6		9·1
9·6	22	7·2	11·0		9·5
9·6	23	5·7	42·0		
9·6		15·3	14·8		
7·2		35·7	54·2	Cal	7·0
9·6	24	27·2	3·7		9·4
8·8		36·2	20·8	C	9·0
9·4		49·7	46·9		9·5
9·6		51·2	52·8		9·6
9·3		55·9	34·9		9·8
10·0	25	56·4	35·3		
9·3	26	16·4	46·6		9·3
9·3		31·4	33·8		9·5
9·0		47·7	32·8		9·4
9·0		50·7	45·2	a	9·1
10·0	27	8·4	20·3		
9·0		8·9	19·6		9·3
10·0		18·9	45·7		
10·0		19·9	13·6		9·5
7·6		20·9	50·4	Cal	7·5
9·6	28	13·9	31·6		9·5
10·0		24·4	28·0		
10·0		43·4	15·3		
7·1	29	2·2	37·8	GCal	7·5
9·9		22·3	10·8		
7·8		56·5	35·6	Cal	7·9
9·8	30	14·5	47·7		9·3
8·4		40·0	29·8	a	9·0
9·4	31	9·0	5·2		9·4
9·8		13·5	12·6		9·8
9·8		15·0	4·3		9·8
8·9		43·7	59·8	C	9·0
7·3		48·0	47·2	Cal	8·0
9·9		59·8	52·7		
7·9	32	46·5	7·9	Cal	8·3
	+1	24·5	−6·8		

5761—5820.

mag.	14h. m	s	−21° ′		
9·2	33	26·5	51·7	a	9·1
9·2	34	17·5	25·7		9·4
9·9	35	0·8	52·3		
9·2		21·5	41·8		9·3
9·9	36	1·4	0·4		9·2
9·8		26·0	24·3		9·5
9·0		27·5	52·2		9·1
9·0	37	2·2	25·9	Ca	8·5
9·2		28·2	42·6	a	9·2
9·9		44·2	35·5		9·7
8·9		46·7	18·6	C	8·8
9·2	38	19·7	13·5		9·5
9·8		27·2	53·7		9·5
7·5		36·2	52·8	Cal	7·8
9·9		51·2	1·5		9·4
7·7	39	20·2	52·4	Cal	7·8
9·2		37·7	38·4	C	8·9
9·0		43·5	56·9	C	8·8
9·9	41	45·7	21·4		9·8
9·2		53·2	19·9		9·4
9·0		58·2	57·2	a	9·0
9·9	42	2·2	52·9		
9·2		49·7	42·8	C	9·0
8·6	43	6·2	0·3	C	8·8
9·4		7·2	16·9		9·2
8·8		26·2	49·5	C	9·0
9·4	44	3·2	49·8		9·5
8·4		36·2	32·9	Ca	8·6
8·9	45	13·2	11·9		8·9
9·8		13·2	18·5		
9·6		43·2	17·6		9·5
9·2	46	3·2	11·3	a	9·0
8·0		10·2	5·6	Ca	8·3
8·6		35·7	12·0	Ca	8·5
9·4		40·2	27·9		9·8
9·8	47	10·7	12·5		9·7
10·0		24·0	55·2		9·8
9·6		26·1	42·8		9·5
10·0		32·5	51·7		
9·6		32·6	7·7		9·5
10·2		51·0	44·6		
9·6	48	20·4	1·2		9·4
10·2		23·5	1·5		
10·2	49	2·3	1·8		
10·2		7·2	20·9		
8·0		14·5	28·6	Cb	8·0
9·8		19·3	0·1		
9·8		24·0	44·0		10·
10·1		27·2	48·4		
9·8		28·0	47·0		9·8
10·2		28·5	49·6		10·
9·2		33·1	57·1		9·2
9·6		49·8	31·9		9·3
9·6	50	9·5	3·4		9·4
7·8		15·6	38·6	CWbl	7·7
10·2		27·9	33·5		
9·5		29·1	11·6		9·5
9·5		45·9	26·6		9·8
8·0	51	31·1	53·8	Cal	7·5
9·2		32·9	7·7		9·3
	+1	25·5	−6·3		

5821—5880.

mag.	14h.–15h. m	s	−21° ′		
10·0	51	42·9	14·5		10·
9·8		43·9	53·4		
10·1		44·9	43·0		
9·9		50·0	2·3		9·5
10·2		55·3	40·0		
9·9	52	3·9	55·9		9·4
10·2		18·6	50·0		
10·2		31·1	33·4		
10·0		32·6	21·4		9·7
8·3		43·9	29·7	al	8·3
9·5		49·1	14·0		9·5
10·2	53	7·9	15·8		
10·1		18·4	2·9		
10·2		30·6	36·9		
9·8		54·2	57·9		
10·0		56·6	52·8		
9·6	54	16·3	44·1	Ca	9·1
9·6		42·6	27·3		9·8
9·5	55	3·0	0·5		9·8
9·2		7·6	24·5	C–	9·2
9·6		9·1	28·4		9·6
8·5		19·6	31·0	Cal	8·0
8·7		35·6	20·1	Cb–l	8·9
10·2	56	22·3	21·3		
9·9		35·8	16·4		9·5
10·0	57	1·3	46·0		
8·9		2·3	35·3		9·3
9·6		3·6	44·8		9·8
9·8		14·9	26·5		9·8
10·1		15·9	30·6		9·8
10·0		20·3	31·9		
10·2		36·7	11·0		
9·5		42·4	1·7		9·5
9·0		43·7	43·9	C–	9·0
9·1	58	0·3	58·5		9·3
10·2		18·2	4·8		
9·0		20·0	44·4		9·1
9·0		32·6	41·6		9·1
9·8		34·3	4·2		9·3
9·9		48·3	47·0		
8·0		50·8	55·0	CWK–	7·6
10·1	59	9·0	14·4		
8·5		14·3	21·9	C–	8·5
7·4		14·3	32·5	GCWal	6·5
9·6		14·6	1·0		9·6
9·2		25·3	35·9		8·9
10·0		43·3	20·6		
10·2		46·6	22·9		
9·8		51·3	12·7		
10·1		54·2	33·6		
9·8	0	28·3	5·9		
9·8		36·0	18·0		
10·1		40·3	22·3		
10·2		43·3	47·6		
9·5		50·0	16·0		9·5
10·2		53·2	0·3		
8·5	1	9·6	36·8	CWal	8·0
9·6		28·3	18·7		9·3
9·5		29·2	1·1		9·4
9·8		29·6	42·1		
	+1	26·0	−6·0		

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5881—5940.

mag.	15h. m	s	—21° ′		
9·6	1	32·0	23·9		9·6
9·0		40·3	2·3		9·2
8·9		43·8	54·6	a	9·0
8·6		50·6	14·7	— (	8·8
10·1		51·3	14·9	)	
8·7		52·0	45·6	CWa	9·1
8·7		54·8	44·2	CWb	9·1
9·2		58·0	3·3		9·4
8·8	2	20·6	5·1	Ca	8·8
9·6		21·8	35·0		9·5
8·7		34·3	15·7	C—	8·8
9·8		34·8	18·9		
10·2		36·9	2·6		
9·8	3	33·3	13·9		9·8
9·0		41·6	34·2	a	9·1
9·9		51·0	59·1		
8·3		52·1	35·9	Gatlπ	8·5
9·6	4	14·1	22·1		9·4
10·2		33·3	11·8		
10·1		45·5	54·3		
9·4		51·5	53·4	Ca	9·1
9·9		56·8	45·8		10·
10·2	5	13·3	43·6		
9·8		16·4	0·0		
10·1		17·6	9·2		
10·0		25·8	6·0		
9·9		27·8	50·5		
10·1		31·3	26·4		
10·2		36·0	10·4		
10·2		38·0	23·2		
9·4		41·5	47·0		9·5
10·0		59·0	30·1		
10·2	6	12·8	55·6		
10·2		17·0	52·5		
10·0		28·0	53·8		
10·2		36·3	30·4		
10·2		37·5	3·9		
9·0		44·2	45·1	a	9·1
9·6		44·5	41·3		9·3
10·2		49·0	4·3		
9·6		50·4	49·7		9·4
10·2		58·2	7·8		
9·8	7	8·7	31·8		10·
10·0		10·5	2·1		9·8
9·8		14·2	18·0		9·8
10·2		15·2	1·5		9·8
9·8		15·6	35·4		10·
9·6		17·4	52·5		
9·8		23·7	35·5		10·
9·2		32·9	7·0		9·1
10·2		33·0	15·4		
10·2	8	4·4	29·9		
9·6		13·6	8·3		9·0
10·0		24·1	23·5		9·5
7·4	9	7·8	56·1	GSlπμ	6·0
10·1		23·1	58·9		9·6
9·1		54·6	20·4	—	9·0
10·1	10	13·6	52·9		10·
10·1		27·6	51·1		10·
8·7		32·1	6·7		8·8
25pr.	+1	26·3	—5·8		

5941—6000.

mag.	15h. m	s	—21° ′		
10·2	10	48·5	12·0		9·6
10·1	11	17·0	21·3		9·8
9·4		33·0	41·2		9·4
9·4		47·5	21·8		9·4
10·1		53·0	24·2		9·8
9·5	12	22·5	53·1		9·8
9·6		36·5	29·3		9·3
9·6		53·5	8·6		9·3
9·6	13	2·5	59·2	—	9·1
10·2		5·5	20·7		9·5
8·4		9·5	48·2	CWb=l	9·0
9·6		40·5	25·5		9·8
9·5		43·5	54·2		9·3
8·4		51·5	45·8	Ckb=l	9·0
9·2	14	3·0	36·8	C	9·0
8·4		18·0	53·4	al	9·0
9·6		44·0	8·7		9·8
9·8		44·5	0·8		9·8
9·6		46·0	59·2		
10·0		53·0	35·1		9·5
10·2		56·0	50·5		
9·6	15	20·0	10·1		9·4
9·0	16	2·5	56·6		9·4
9·2		3·5	13·4	a	8·8
9·8		24·5	23·9		9·3
10·0		28·2	42·0		9·6
8·8		37·0	54·2	Cb—l	8·8
8·3	17	42·5	35·9	CWkal	7·5
7·9	18	7·0	29·1	Ckal	7·7
10·2		20·5	7·9		9·6
9·0		39·5	49·4		9·0
10·2		50·5	3·4		9·5
10·2	19	2·8	18·3		9·5
10·2		12·0	47·1		
9·5		23·0	18·5		9·4
10·2		51·5	11·9		9·6
9·1		52·0	26·0	C—	8·9
9·5	20	4·5	50·7		9·8
9·6		12·7	13·6		9·3
9·8		35·7	48·0		
9·6		35·7	51·2		10·
10·2		43·7	6·5		
10·1	21	2·7	40·5		9·5
9·3		11·7	45·3	ka	9·4
9·3		12·2	14·3		9·0
10·2		15·7	43·7		9·5
8·4		16·2	22·5	C	8·9
10·1		23·7	20·6		9·5
9·0		29·2	23·3		9·3
10·2	22	30·2	15·3		
10·0		32·7	40·2		9·7
9·6	23	0·2	8·5		9·8
9·2		12·2	53·0	—	9·3
10·0		18·2	41·7		9·8
7·7		26·7	26·8	CWal	7·8
8·2		27·7	45·5	Ca	8·6
9·2		29·2	30·9		9·6
9·5		48·2	27·8		9·3
9·6	24	31·7	23·9		9·8
10·2		34·2	47·0		9·8
	+1	26·8	—5·4		

6001—6060.

mag.	15h. m	s	—21° ′		
10·0	24	44·7	48·8		9·8
10·2		52·7	19·0		9·8
7·5		53·2	32·3	GCWal	7·3
8·8	25	24·2	22·4		9·2
9·1		50·7	34·8		9·3
10·2		58·7	30·4		9·8
10·1	26	20·2	32·8		
10·1		26·2	28·1		
10·1		51·2	24·5		
9·6	27	7·2	18·9		9·4
10·1		10·6	17·7		9·8
8·2		12·4	29·8	Ca	8·3
10·2		42·1	39·1		
10·1		44·1	40·0		9·8
8·6		53·2	43·3	—	9·2
8·3	28	51·4	19·6	GCal	7·5
9·8	29	25·6	37·3		9·3
9·5		45·2	47·4		9·3
8·9	30	2·1	0·2	C=	8·8
6·9		12·7	42·1	GCW—	7·0
8·9		33·7	11·5	—	9·0
10·0		40·7	49·3		9·5
9·0		46·2	39·7		9·3
7·7	31	16·7	11·2	GCbl	8·2
10·0		30·2	18·7		9·8
9·5	32	45·7	55·0	—	9·4
10·0		46·3	24·4		9·8
7·9	33	26·5	11·9	Cbl	8·1
8·9		42·0	40·9		9·1
10·0		59·5	56·0		9·5
9·7		59·5	59·1		9·5
8·8	34	0·5	19·1		9·2
8·2		52·0	29·7	C—	8·1
10·0	35	12·0	32·5		9·1
8·8		37·0	30·7	—	9·0
8·9	37	0·7	58·7	a	9·1
7·9		38·0	25·0	Ca	8·3
8·8	39	51·5	8·4	a	8·8
10·0		52·0	15·3		9·4
9·5	40	25·0	7·1		9·3
9·4		36·5	14·7	a	9·1
9·2	41	2·0	46·6	—	9·2
8·9		47·4	55·0	C—	8·8
8·0	42	37·9	6·3	Cal	7·0
9·6		38·9	11·6		9·2
8·9		57·4	52·8		9·3
9·4	43	37·4	59·5		9·1
9·3	44	41·9	40·6		9·3
10·0		41·9	15·7		9·6
7·9		49·9	18·2	Ca	7·3
10·0	45	11·9	39·1		9·5
10·0		42·9	17·8		9·4
9·7		50·9	27·7		9·3
8·0	46	1·9	35·7	CW=	8·2
9·3		13·4	22·6	a	9·0
10·0		23·4	13·0		9·3
8·9		25·9	21·8	a	9·1
8·6	47	6·7	11·6		9·0
9·3		47·1	20·2		9·5
8·6		53·1	54·3		9·0
	+1	27·4	—5·0		

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mag.	15h.—16h. m	s	—21° ′		
8·2	48	45·2	9·4	Cb—l	8·4
9·0	49	16·6	26·1	K	9·0
8·4		18·9	39·6	C—	8·6
8·3		29·4	51·1	CW—	8·5
10·2		42·4	17·0		9·5
8·4		48·4	12·9	C	8·8
7·1		53·4	7·2	GWtlπ	7·0
9·6	50	20·4	41·1		9·0
10·0		25·4	20·8		9·5
8·4	51	9·9	2·4	C=	8·9
10·0		19·9	3·1		9·5
9·6		23·9	45·7		9·4
9·6	52	7·1	59·8		9·1
10·2		41·9	5·1		9·4
10·2	53	1·4	8·3	=	9·1
9·6		20·9	53·8	a	9·1
8·6		45·9	48·9	Ca	8·5
10·2		59·9	28·3		9·5
9·2	54	13·4	22·0	K	9·2
7·0		33·4	37·6	Cb≡l	7·3
9·8		45·4	20·9		9·5
9·8	55	15·4	43·9		9·5
9·4	56	5·4	51·9		9·0
10·2		36·9	36·5		9·3
8·4		43·4	34·6	Cal	8·7
9·4	57	15·2	0·5	Wb	8·8
9·6		49·4	41·1		9·3
10·2	58	17·4	56·8		9·5
7·4		21·9	29·7	CWa	7·5
9·2		47·9	14·0		9·0
9·2	59	13·4	48·8	—	9·3
10·2		13·4	26·2		9·5
8·9		27·4	34·9	Wa	9·1
7·8		28·9	31·4	CWal	8·0
8·4		55·4	43·2	CWal	8·8
8·2	0	24·4	4·5	Cb	8·2
9·4		57·4	52·0		9·4
10·2		59·9	17·8		9·5
9·0	1	52·4	36·3	a	8·8
7·0	2	56·4	49·5	Cal	7·3
9·6	3	5·4	54·0		9·2
9·4		17·4	19·1	W—	9·2
8·5		26·4	52·1	Cal	8·8
9·6		52·4	6·5		9·5
9·6	4	7·4	15·6	WK	9·5
10·2		42·9	57·6		9·6
9·2		46·4	3·6	=	9·0
10·2		53·4	57·4		
9·6	5	25·3	31·1		9·5
10·2		37·8	59·3		9·4
10·2		54·3	53·3	a	9·5
9·4		59·8	38·4	—	9·1
9·6	6	12·3	35·8		9·3
7·1		19·8	4·8	GWtlπ	7·0
10·2		21·3	42·1		9·5
9·0		38·3	46·1		9·3
9·3		45·8	50·4	a	9·2
7·7		56·3	48·9	Ca	7·5
10·2	7	0·3	2·1		9·5
10·2		8·8	31·8		9·4
	+1	28·2	—4·2		

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6121—6180.

mag.	16h. m s	−21° ′		
10·2	7 12·3	29·5		9·7
9·2	14·8	34·4		9·4
10·0	26·3	40·6		
10·0	27·5	23·7		9·4
9·3	43·5	16·8		9·2
9·2	46·2	48·1		9·3
9·2	8 0·0	27·3		9·4
8·4	6·2	16·3	Ca	8·7
10·0	20·0	28·8		10·
9·3	23·2	37·6		9·7
9·6	24·5	23·2		9·5
9·4	33·7	38·1		9·5
9·4	56·5	52·9		9·9
9·3	9 32·2	18·4		9·5
10·0	53·2	15·4		9·8
9·4	10 6·0	51·3		9·3
8·4	23·2	35·3	Ca	8·4
9·6	36·2	50·9		
9·4	45·8	1·0		9·5
9·4	11 13·2	29·5		9·5
8·4	16·2	17·1	CWa	8·3
9·6	16·7	26·7		9·4
8·4	12 7·2	5·9	a	8·6
10·0	13·2	58·1		9·6
9·8	26·0	30·4		9·5
9·8	49·2	42·3		9·7
8·2	13 5·7	12·3	Ca	8·5
8·9	6·2	8·7	a	9·1
8·1	20·2	32·2	CWa	6·8
9·3	39·3	1·2		9·1
8·3	56·2	48·4	Ca	8·3
9·2	14 32·7	10·7		9·2
10·0	43·7	54·3		
10·0	44·2	52·3		9·5
8·0	46·7	21·3	Ca	8·3
9·8	53·2	21·3		9·5
9·8	15 3·7	27·3		9·5
10·0	53·0	20·6		9·9
10·0	16 2·7	35·7		
9·6	36·2	33·2		9·6
8·3	17 27·7	56·6	Ca	8·0
10·0	53·2	38·2		9·4
8·4	18 0·2	23·9	Ca	8·5
9·2	19 5·7	30·4	a	8·8
9·4	30·7	24·3		9·4
9·0	43·2	53·5		9·3
7·9	49·7	50·0	Ckb	7·5
9·6	20 55·2	29·7		9·4
9·6	21 15·7	29·2		9·6
9·0	18·7	56·5	a	9·2
9·6	23·7	32·2		9·5
8·3	56·3	17·3	Ca	7·8
10·0	22 2·3	41·1		
9·4	6·3	42·4		9·5
8·8	22·3	10·1	Ca	8·8
10·0	27·8	33·0		9·6
10·0	28·8	24·3		9·8
10·0	30·8	16·3		9·4
9·3	44·3	47·3		9·4
9·4	23 6·3	28·0		9·5
25pr.	+1 28·6	−3·7		

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mag.	16h. m s	−21° ′		
9·2	23 16·3	10·6		9·2
9·0	24 26·3	15·5		9·0
4·5	43·8	11·8	GWπμβ	5·5
9·3	25 3·3	29·1		9·2
8·5	26 9·8	5·3	a	9·0
10·0	27 28·4	0·4		
8·4	28 3·9	36·8	Ca	8·2
8·2	30 12·2	48·0	Ca	8·0
9·8	34·6	24·9		9·8
9·9	31 22·1	12·0		9·5
8·3	33·6	47·5	a	8·5
9·8	32 25·6	44·5		8·8
9·4	56·1	40·0		9·0
9·2	33 0·1	54·8		9·2
9·2	33·1	25·2	–	8·8
9·2	35 29·9	59·1		9·2
9·2	33·1	31·7	G	9·2
8·2	36·1	6·1	CWa	8·0
9·9	41·9	26·7	a	9·0
9·9	51·1	12·2		9·5
9·9	36 23·1	57·9		9·7
9·9	38 35·6	50·2		9·5
8·9	39 56·1	32·8	a	9·0
9·8	59·2	55·0		9·6
8·2	40 1·9	56·8	a	8·8
9·8	7·2	59·4		
9·4	31·2	56·1	a	9·2
9·6	33·7	50·9		9·3
9·9	37·2	58·8		
8·9	44·2	17·7		9·3
9·2	48·2	11·4	Ca	9·0
9·8	50·2	53·8		9·3
8·2	41 9·2	42·9	GCa	8·0
9·0	34·2	9·4	Ca	8·5
8·2	42 7·2	37·8	GCal	7·0
9·0	35·2	44·6	a	9·0
9·8	43 0·2	30·4		9·8
9·8	1·7	12·8		9·8
8·6	24·4	59·3	a	8·8
9·2	41·2	55·6	a	9·2
8·5	44 3·2	26·3	CWbl	8·0
9·8	16·2	35·7		9·5
9·8	24·2	14·9		
9·8	25·7	8·6		
8·6	30·7	7·0	Wa	9·0
9·8	30·7	42·9		
9·2	31·2	19·8		9·5
9·8	54·2	19·7		
9·8	54·2	56·2		9·5
9·9	45 15·2	31·0		9·5
9·9	26·2	5·1		9·4
9·6	35·2	52·5		9·3
9·8	47·7	27·8	a	8·8
9·0	46 4·2	39·5		9·1
9·4	9·2	16·8		
9·9	33·2	49·0		
9·6	45·4	4·9	a	9·1
7·6	47 10·2	40·3	Ca	7·3
8·1	12·2	50·1	a	8·0
9·6	33·2	25·1		9·4
	+1 29·2	−2·8		

6241—6300.

mag.	16h. m s	−21° ′		
9·2	47 38·5	45·9	b	8·5
9·0	55·7	28·4	a	9·0
9·8	59·0	20·4		9·5
8·9	48 3·0	30·2		9·4
6·9	5·8	21·9	GCal	6·5
9·4	6·8	30·2		9·4
9·0	28·0	21·4		9·5
9·4	39·8	46·4		9·5
9·8	43·8	41·8		
8·8	46·0	21·0		9·2
8·8	50·3	50·7		9·3
8·9	49 3·0	21·2		9·4
9·8	6·3	56·1		10·
8·6	17·3	35·8	Ca	8·5
9·0	24·0	34·5		9·2
9·2	50 0·5	59·6		9·5
9·8	1·3	48·0		9·8
7·8	14·3	34·6	CWal	8·2
9·0	28·5	0·9		9·0
9·2	30·1	1·1		9·3
9·2	31·6	11·4		8·1
9·6	33·4	57·0		9·3
8·7	34·1	25·2	a	8·8
9·5	51 3·1	55·4		9·5
10·2	16·9	34·4	a	9·2
10·2	46·1	58·6		9·5
9·5	50·1	18·3	a	9·0
10·0	53·1	1·1		9·5
9·4	52 4·6	37·8		9·5
9·4	12·1	15·7	a	9·2
9·0	22·6	22·1	a	9·1
9·0	31·6	57·5	–	9·0
10·2	51·7	56·6	–	9·3
10·2	58·6	31·1		
7·8	53 2·6	16·1	Cal	7·0
9·5	16·6	20·3		9·4
9·2	19·6	25·3		9·5
9·6	42·1	0·3		9·3
10·2	54 7·1	2·9		
10·2	9·6	44·2		9·4
9·6	11·6	42·9		9·7
9·6	20·6	51·0		9·5
9·2	24·6	11·9		9·2
9·0	33·1	6·6		9·3
10·2	36·1	28·9		9·5
9·8	58·1	49·0		9·5
8·8	55 3·4	1·7		9·0
10·2	47·6	25·8		9·8
10·2	56 6·6	44·9		
8·4	9·6	12·4	–	9·0
8·7	15·1	14·0	C≡	8·9
9·6	16·1	47·9		9·3
9·0	20·6	20·6	–	9·0
9·8	43·6	42·5		
10·2	56·6	41·5		9·8
9·1	57 13·1	35·8		8·8
9·2	39·6	49·9	a	9·1
9·6	43·6	22·7		9·5
7·0	58 1·6	53·8	GCa	6·9
9·2	3·6	31·5		9·3
	+1 29·4	−2·4		

6301—6360.

mag.	16h.–17h. m s	−21° ′		
10·2	58 7·6	15·5		
9·5	12·1	7·5		9·5
7·8	16·1	6·3	Cal	7·2
9·8	32·1	44·3		10·
9·1	43·6	8·5	–	9·0
6·0	44·1	23·2	GSπμβ	6·0
8·5	47·6	5·6	Ca	8·5
9·8	59 9·6	35·9		9·6
10·2	12·6	21·6		
10·0	16·6	11·9		9·5
10·2	22·6	45·2		
10·2	27·6	40·9		9·2
10·2	32·6	55·5		
10·2	34·1	29·9		
9·6	0 1·6	32·7		10·
9·5	40·6	9·1		9·5
9·2	1 1·6	10·2		9·5
10·2	5·1	58·6		
10·2	32·1	20·3		9·8
9·0	2 21·6	37·9	a	9·0
10·2	26·6	19·1		10·
9·6	36·1	55·7		
10·2	38·1	2·0		
10·2	46·6	14·7		9·7
8·8	51·1	25·2	a	9·0
10·2	55·6	48·6		9·5
8·2	3 14·6	50·7	Ck–	8·5
9·5	37·6	46·9		9·5
10·2	41·1	35·1		9·6
10·2	43·6	34·6		9·5
9·5	48·1	3·6	a	9·2
8·8	52·1	12·9	Ca	8·7
8·2	56·1	44·2	a	8·5
10·2	4 19·6	29·3		
9·5	26·1	43·3		9·5
8·2	35·6	37·9	Ca	8·5
10·2	56·1	14·3		
7·4	5 11·2	27·1	Cal	6·8
9·5	31·2	22·2	a	9·2
10·0	52·2	8·9		
9·2	57·4	1·1	–	9·0
10·2	6 8·7	27·9		9·8
9·4	35·7	16·3		9·2
9·8	42·7	11·9		9·8
9·0	52·2	12·7	Ca	8·2
9·5	7 27·9	55·4		9·3
9·1	30·6	53·9	Ca	8·9
9·0	36·2	46·8	a	8·7
8·1	38·9	13·4	Ca	8·2
10·2	51·5	14·6		9·5
9·1	8 26·2	48·0	a	8·9
10·2	34·2	44·7		
10·2	40·2	47·2		
7·8	54·9	42·5	Cbl	7·0
9·2	55·7	36·2		9·4
10·2	9 8·2	41·0		
9·2	17·9	54·6		9·5
9·6	22·7	51·8		
9·4	35·7	0·8		9·4
10·2	54·7	32·3		
	+1 29·5	−2·0		

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6361—6420.

mag.	17h. m	s	—21° ′		
10·2	9	58·2	24·9		9·5
10·2		58·7	13·0		
9·8	11	7·4	54·6		9·2
8·7		10·4	27·1	≡	8·8
9·4		15·9	45·0		9·5
9·8		21·9	16·8		9·7
9·8		30·4	5·0		9·5
9·8	12	20·4	49·0		9·5
9·8		28·4	11·0	K	9·2
9·0		29·9	23·9		8·7
9·8		52·9	27·6	–	9·3
9·4	13	14·9	11·1		9·5
8·9		33·4	15·7	a	9·0
9·2		45·4	39·4		9·4
9·2		53·9	25·6	Ca	8·6
9·8	14	4·9	48·5	a	9·0
9·4		34·9	10·1	a	9·1
9·2		57·9	1·1	a	9·3
9·6	16	2·9	49·4		9·4
8·2		7·9	35·5	a	8·2
9·2		19·4	31·1	a	8·8
7·1	17	13·4	19·2	Gtlπμ	6·5
8·4		41·9	46·6	a	8·3
9·8		48·7	58·9		9·6
9·2	18	5·5	3·8		9·0
8·3		6·5	30·9	Ca	8·5
9·3		13·0	30·7		9·5
8·7		29·0	18·0	a	8·9
9·8		54·5	15·9		9·0
8·1	19	13·5	21·3	Gctlπ	7·5
8·8		15·5	18·0	GCatπ	8·5
9·5		24·0	4·7	·	9·2
9·8		25·5	30·7		9·5
9·0	21	5·5	19·7		9·0
8·8		48·0	8·5		9·0
9·8	23	6·5	51·1		9·3
8·3		35·0	23·1	Ca	8·3
8·8		57·5	27·9	a	8·8
9·4	24	2·5	25·5		9·2
9·2		3·7	57·1	a	9·3
9·3		6·2	6·9		9·3
8·9		39·2	7·2	a	8·8
9·8		53·7	19·8		9·8
9·2	25	0·1	56·9		9·1
8·4		9·2	46·8	Ca	8·1
9·2		21·2	28·6		9·3
8·4		30·7	43·9	Ca	8·9
8·8		39·7	40·0	a	9·0
9·8		45·1	58·3		9·9
8·8		52·2	12·6	a	8·5
9·8	26	2·2	12·3		9·5
9·2		31·2	6·0	b	9·1
9·0		49·7	44·9		9·1
9·7		50·7	19·1		
9·5		53·3	1·8		9·5
9·4	27	30·7	7·6	b	8·8
8·9		32·2	23·9		9·1
9·7		36·2	46·9		9·5
9·4		44·2	48·0	a	9·4
9·3		45·2	48·9	a	9·3
25pr.	+ 1	29·8	− 1·5		

6421—6480.

mag.	17h. m	s	—21° ′		
6·6	27	47·4	57·5	GWπμβ	36·5
9·8		49·7	50·8		
9·8		52·0	50·9		
9·8	28	2·5	54·9		
9·6		12·5	0·5		9·2
8·7		20·3	6·9	Cb	9·0
9·8		25·4	7·4		10·
9·7		30·5	37·2		
9·7		47·5	23·0		9·8
9·4		52·2	52·8	a	9·3
9·8	29	1·0	12·9		9·4
9·8		15·5	27·6		
9·8		32·5	43·1	a	9·6
9·4		45·8	2·8		9·4
9·2		47·5	37·9		9·5
8·6		50·5	27·4	a	9·0
9·2		55·3	59·9		9·4
9·8	30	5·0	5·7		9·5
7·8		12·8	10·6	Ca	8·1
9·0		32·0	25·7		9·2
8·6		39·0	29·9	a	8·9
9·9		51·5	36·6		9·5
9·2		53·0	18·9		9·1
9·9		54·0	26·5		9·3
6·9	31	13·7	50·2	Gtlπβ	6·3
9·6		16·2	20·8		9·1
9·6		20·2	34·8	a	9·0
9·7		27·7	3·9		9·5
9·7		31·2	10·6		9·5
9·8		38·2	19·0		9·8
9·8	32	0·7	24·8	a	9·0
9·9		4·2	58·1		9·5
9·9		45·5	17·0		9·7
9·8	33	39·2	31·5		
9·2		45·7	12·4	a	9·0
9·7		55·5	28·8		9·4
8·5		59·7	52·6	b	8·8
9·4	34	36·7	52·0		9·4
9·0		45·7	39·6	b	9·1
9·6		48·2	14·0		9·3
5·6	35	55·7	37·2	GSπμβ	5·2
9·4		57·2	22·2		9·3
9·9	36	46·2	57·3		9·7
8·8		50·7	40·2	CWa	8·7
8·6		51·7	24·0	–	8·9
9·6	37	6·7	31·6		9·7
8·5		10·5	58·0	Gatlπ	8·7
8·6		42·2	39·0	CWa	8·9
9·9	38	16·7	7·6		
9·0		25·1	2·3		8·9
8·4		42·0	32·5	Cal	8·5
9·6		44·0	26·2		9·4
8·3		56·0	13·1	a	8·5
8·8	39	11·0	27·4	a	8·7
9·9		11·5	27·1		
9·0		14·0	5·5	Ca	8·5
9·8		41·0	32·4	–	9·8
9·2		56·0	9·0	–	9·2
9·2	40	0·0	2·5		9·2
9·6		32·0	23·8		9·5
	+ 1	29·8	− 1·0		

6481—6540.

mag.	17h. m	s	—21° ′		
9·2	40	41·0	40·9	a	9·1
9·6	41	10·5	17·3		9·6
9·9		14·0	16·7		
9·9		22·5	3·0		9·8
9·4		41·0	55·2		9·5
9·2	42	13·0	23·7		9·1
9·8		54·0	11·9		9·4
8·6	43	7·5	53·5	Ca	8·7
9·9		16·5	45·1	Ca	8·9
9·8		49·5	20·5		9·7
9·4	44	8·0	7·5		9·5
8·4		21·5	1·3	Ca	8·3
9·2		56·0	41·2		9·4
9·9	45	8·5	22·7		9·5
9·8		12·0	49·7		9·5
9·4		20·7	30·6		9·5
8·5		38·0	22·7	–	9·0
9·0		59·2	44·1	–	9·1
8·3	46	5·7	7·4	Ca	8·5
8·8	47	7·2	25·1	a	8·7
9·9		13·4	45·5		
9·4		30·2	41·8		9·5
9·6		44·7	47·7		9·4
9·9		57·5	2·1		10·
10·5	48	16·5	41·0		
9·4		18·8	23·6		9·3
9·4		50·5	47·4		9·0
7·2		50·5	55·9	Gctπμ	7·2
9·3		54·8	25·1		9·2
10·1		56·3	11·9		
9·4	49	8·6	36·0		9·5
10·0		8·8	44·7		9·5
10·5		18·0	36·7		
10·5		31·5	40·0		
9·8		33·5	8·2		9·5
10·5		34·6	0·9		
9·9	50	10·5	41·8		9·3
9·0		42·5	59·0		9·1
9·8		56·5	14·6		9·4
9·7		58·0	49·8		9·5
10·1	51	2·0	3·2		
9·0		14·5	45·8		9·1
10·5		24·5	43·9		
9·7		26·5	7·7		9·7
9·8		30·0	7·2		9·5
9·8		31·5	12·4		9·4
9·6		34·0	42·1		9·5
10·1		36·5	22·3		9·7
9·7		38·0	48·4		9·3
10·4		41·5	34·0		
9·2		41·5	47·4		9·3
10·0	52	0·5	15·7		9·4
8·8		3·5	1·9	CWa	8·0
10·2		11·5	54·7		9·8
9·9		11·5	31·5		9·6
10·0		25·0	10·6		9·8
9·3		37·5	43·2	C–	9·0
10·0		41·0	25·4	?	
10·1		42·5	10·3		10·
9·2		43·0	8·3		9·1
	+ 1	30·0	− 0·4		

6541—6600.

mag.	17h. m	s	—21° ′		
10·5	52	47·0	10·1		
8·8		53·5	27·2	C=	9·0
9·7	53	6·0	24·9		9·5
9·8		10·5	39·5		10·
10·5		33·0	16·4		9·5
10·5	54	3·0	20·8		
10·1		14·0	7·3		
9·6		14·5	8·2		9·4
9·6		19·0	32·3		9·5
8·8		41·5	45·4		9·1
9·6		43·5	32·8		9·5
10·0		48·0	27·1		
9·6		49·2	56·7		
9·0		51·0	57·5	Ca	8·6
9·6		58·5	46·6		10·
10·2	55	5·7	44·4		
9·4		7·2	58·8		9·7
10·4		7·7	44·6		
8·4		9·2	30·2	CW≥	8·0
9·6		14·2	59·8		9·7
10·5		18·2	25·0		
10·1		18·2	51·8		
10·0		21·1	59·2		9·5
10·1		23·7	10·4		
9·7		30·2	29·8		9·5
9·4		47·2	56·1		9·8
9·3	56	18·2	50·4		9·2
9·2		23·2	51·5		9·3
9·6		31·2	50·4		9·8
9·7		33·7	9·2		9·5
9·9		53·8	59·0		
9·2		54·2	16·8		9·3
10·3	57	3·2	35·8		
10·5		5·7	3·6		
10·5		14·7	7·8		
10·4		15·2	19·0		
9·6		23·2	54·9		9·5
10·3		26·7	45·8		
9·9		43·2	47·6		
10·4		44·2	28·8		9·8
8·4		53·2	40·4	Cb≡l	8·5
9·6		55·2	47·7		
10·2		56·2	56·3		9·5
8·3	58	0·2	8·8	Ca	8·5
8·9		2·0	57·0		9·4
9·2		2·2	33·6		9·3
9·3		2·2	29·8		9·2
9·7		3·2	46·9		
9·8		7·2	55·9		
10·5		13·2	21·4		
9·4		16·7	32·1		9·5
9·7		34·2	59·0		9·4
10·5		36·2	20·0		9·5
9·4		37·2	35·4		
8·7		41·2	28·1	GCW	8·8
10·5		43·2	43·1		
10·5		43·7	18·1		
10·5		43·7	19·5		
9·0		49·7	40·6		10·
9·7		57·2	40·1		10·
	+ 1	30·0	− 0·1		

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6601—6660.

mag.	17h.–18h. m s	—21° ′		
10·5	59 1·2	50·8		
9·7	3·2	53·0		
9·4	7·2	7·2		9·4
10·5	13·0	58·1		
10·0	19·2	27·3		
8·9	20·2	4·1		8·8
8·4	22·2	30·8	GWb=18·2	
10·3	27·2	54·4	:	
10·5	34·7	16·5		
6·2	42·2	27·2	GWlπμ	6·4
10·5	43·2	49·0		
9·4	44·2	15·8		9·2
10·0	44·2	31·6		
9·7	47·7	47·7		
8·6	52·2	12·8	CWkal	8·2
10·2	52·7	26·7		
9·7	56·2	32·1		
10·1	57·7	25·6		
9·1	0 3·2	40·8		9·3
10·4	6·2	39·9		
9·6	12·2	52·4	GC≡tπ	8·7
10·5	15·2	56·3		
9·8	17·2	24·6		
10·1	23·2	42·6		
9·7	26·2	20·0		9·5
10·5	30·2	40·6		
10·3	31·3	57·4		
10·4	43·2	20·1		
9·8	53·2	23·8		9·8
10·5	54·7	45·3		
10·5	56·2	34·6		
10·0	57·7	7·3		
10·5	59·2	43·9		
7·9	59·7	16·0	CWal	7·8
9·2	1 3·7	39·0	K	9·1
10·5	3·7	25·8		
10·0	8·7	33·8		
10·0	8·7	8·2		
7·6	8·7	27·8	GWtlπ	6·8
9·9	11·2	34·7		
9·9	12·7	25·8		
10·5	13·2	39·6		
9·8	14·2	26·2		
9·1	16·2	15·8		9·5
10·5	16·2	38·5		
10·2	16·7	40·3		
10·5	18·7	37·9		
10·4	22·0	59·8		
9·2	22·2	16·6	}	
9·7	23·7	17·1		9·4
8·9	26·2	25·0	W	8·7
9·6	33·2	45·3		9·6
9·8	33·2	29·2		
10·0	33·2	1·8		
10·5	33·2	24·1		
8·6	35·2	25·4		9·0
10·5	35·2	50·0		
9·8	37·2	53·8		9·5
9·6	38·2	29·4		
10·5	44·2	30·2		
25pr.	+ 1 30·0	0·0		

6661—6720.

mag.	18h. m s	—21° ′		
8·8	1 53·7	31·5	K	8·9
10·4	57·7	34·6		
9·1	57·7	18·6		9·7
9·7	2 1·7	45·9		
8·2	2·2	35·4	C–	9·0
9·2	4·0	34·5		9·5
10·2	5·2	24·8		
9·7	5·5	36·4		
9·7	9·5	20·8		
10·5	17·0	17·8		
10·3	18·5	18·0		
9·7	24·0	55·0		
9·2	26·4	58·4		9·3
10·5	34·0	6·1		
10·5	34·5	42·8		
9·9	40·0	3·6		9·5
8·5	44·5	20·8	Ca	9·0
10·5	46·0	6·4		
9·7	47·0	18·7		
9·2	52·0	40·4		9·8
10·4	53·0	39·1		
9·0	53·0	17·8		9·4
9·4	53·0	16·3		9·8
9·9	56·0	51·5		
9·8	58·5	3·4		
10·2	3 6·5	51·6		
10·0	12·0	38·8		
10·4	17·0	22·0		
8·0	17·5	19·9	Ca	8·5
9·9	19·5	56·6		9·5
8·4	25·0	13·6	Ca	8·7
9·7	29·0	49·9		
9·4	30·0	2·1		9·8
9·1	33·0	27·6		9·5
10·5	38·0	2·3		
9·7	41·5	14·6	a	9·3
9·7	48·5	3·8		
10·5	51·5	52·1		
10·5	53·0	4·5		
9·7	55·0	5·3		
10·3	58·0	10·0		
9·2	4 0·5	22·6		9·7
10·3	3·0	54·3		
9·4	6·0	18·5		
9·6	7·0	11·2		9·6
10·5	14·5	27·7		
9·6	17·0	27·4		9·3
9·8	19·0	11·9		9·6
10·5	23·0	16·9		
9·7	30·0	20·8		
9·8	33·0	42·7		
10·5	33·0	13·5		
10·5	34·0	40·9		
10·5	34·0	45·9		
10·1	35·5	50·5		
9·8	39·0	44·1		
10·4	39·0	38·6		
10·0	39·5	6·8		9·8
10·5	39·5	31·1		
9·3	44·0	15·3	a	9·2
	+ 1 30·0	+ 0·1		

6721—6780.

mag.	18h. m s	—21° ′		
10·5	4 45·5	31·8		
9·9	46·0	32·3		
10·5	50·5	30·3		
9·7	52·0	42·8		
9·4	52·0	9·6		9·5
9·6	52·0	27·7		9·6
9·9	52·0	0·2		
10·5	53·0	8·1		
9·7	53·0	8·5		9·4
10·5	57·0	40·2		
9·3	57·5	29·8		9·6
10·0	58·0	39·5		
9·8	5 2·0	20·3		9·8
10·5	3·5	2·1		
10·1	4·0	47·5		
10·2	4·5	22·7		
10·5	5·0	37·1		
10·5	6·0	35·4		
10·5	7·0	36·7		
10·5	7·5	41·7		
10·5	9·5	42·2		
10·3	10·0	42·7		
10·5	11·5	28·1		
8·4	12·1	0·9	Wa	8·7
10·0	14·0	36·7	:	
9·7	15·0	45·7		10·
10·4	16·5	43·6		
9·6	17·0	26·3		
9·9	19·0	37·7		
10·1	22·0	31·7		
10·1	23·0	40·7		
9·9	23·5	37·2		
10·1	24·0	48·7		
10·4	26·0	41·3		
9·8	27·0	35·0		
9·9	29·0	35·7		
10·4	30·0	38·8		
9·3	40·0	21·9		9·8
8·7	43·0	45·3	C–	8·8
7·9	44·5	17·4	Ca	8·5
10·5	45·0	35·1		
9·7	53·0	14·7		
10·5	53·0	33·6		
10·5	56·5	21·9		
10·5	6 1·1	6·6		
10·5	6·0	3·7	}	
9·6	7·0	3·7		9·9
9·7	9·5	17·8		9·4
9·4	16·0	4·8	W	9·5
9·6	16·0	8·1		
4·2	17·0	5·3	GSπμβ	4·0
10·0	17·0	20·4		
8·5	23·0	50·9	a	9·0
10·1	24·0	52·3		
10·2	27·0	10·4		9·8
10·5	27·0	25·2		9·8
10·1	31·8	2·6		
10·2	35·3	2·6		
10·0	36·0	30·7		
10·0	43·0	29·6		9·8
	+ 1 30·0	+ 0·2		

6781—6840.

mag.	18h. m s	—21° ′		
9·4	6 43·0	40·0		9·7
9·7	45·5	20·7		9·8
7·6	45·5	44·7	GWπμβ	6·3
10·4	49·0	19·7		
10·5	50·0	0·7		
9·9	52·0	35·8		
10·4	54·0	26·8		
9·8	7 2·0	15·8		
9·2	9·0	49·6		9·3
8·9	9·5	45·8	a	9·1
10·3	10·8	58·5		
9·9	11·0	42·4		
8·4	11·0	52·9		9·1
8·9	13·5	39·9		9·2
10·2	14·5	42·4		
10·0	25·0	7·3		
10·1	26·0	30·5		
10·5	26·8	46·1		
10·0	32·0	53·3		
10·0	32·5	22·6		9·5
10·5	34·0	18·9		
9·4	36·8	38·7		9·8
10·5	44·0	25·9		
10·4	45·8	32·9		
9·8	51·5	30·7		
10·0	56·5	32·7		9·8
10·4	8 1·5	4·7		
9·8	2·0	25·9		
9·4	3·2	56·3		9·5
10·5	9·5	33·5		
9·4	14·4	1·8		
10·5	15·8	49·4		
10·4	25·0	21·3		
10·2	26·5	24·6		
9·6	27·0	33·9		9·5
9·8	41·0	52·9		9·8
9·6	43·5	46·8		9·8
9·5	44·0	57·3		9·7
9·5	9 2·0	48·0		9·5
9·6	3·0	25·5		9·7
9·5	14·0	59·5		9·8
9·2	26·5	56·2		9·3
10·3	33·0	23·6		
9·3	37·2	58·2		9·3
9·6	10 6·5	7·0		9·8
10·2	12·4	22·0		
9·8	24·5	19·9		
9·5	31·5	52·5		9·5
10·0	53·5	48·3		9·8
10·3	11 3·5	29·0		
9·0	18·5	17·1		9·2
8·4	24·0	30·3	MCm	8·9
9·0	30·0	20·8	M	9·3
9·6	31·0	36·0		9·2
9·6	38·5	21·8		9·4
10·3	54·5	20·4		9·8
9·4	12 13·5	54·5		9·5
8·8	21·0	46·9	M–m	9·2
10·0	23·0	39·0		9·4
8·9	40·5	33·2		9·2
	+ 1 30·0	+ 0·3		

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6841—6900.

mag.	18h. m	s	—21° ′		
8·6	12	43·5	20·1	–	9·1
8·9		46·5	32·5		9·3
9·5	13	16·5	0·7		9·1
10·2		21·5	28·1		
9·6		23·5	1·7		9·6
9·2		38·0	59·0		9·7
9·2		39·5	51·8		9·5
9·5		44·9	42·0	a	9·2
10·0		47·2	25·4	C–	9·1
10·3		58·0	6·3		
9·4	14	27·5	46·0		9·3
8·9		31·0	8·4	a	9·1
9·5		33·5	26·1		9·4
8·9	15	1·0	25·7	C–	9·0
9·6		3·0	3·1		9·5
9·8		3·5	43·4		
9·8		10·0	8·4	–	9·3
9·5		10·5	15·8		
10·2		14·2	15·9		
8·6		14·5	38·4		8·5
10·3		28·0	10·9		
10·0		42·5	42·6	:	10·
10·0		45·5	48·7		
9·5		53·5	15·2		
10·2		56·0	46·2		
10·0	16	2·0	50·1		9·6
9·0		4·5	43·4	Ca	8·3
9·4		7·5	36·5		9·4
8·3		16·5	58·8	Mm	9·0
9·6		23·5	32·6		
9·6		36·5	52·8	m	9·5
9·5		46·5	11·8	–	9·4
9·0	17	2·5	58·3		9·2
8·6		4·0	54·5	a	9·2
10·3		4·0	2·4		
9·5		9·0	51·6		9·6
10·0		11·6	57·7		
10·0		27·0	10·8		9·5
9·5		34·0	33·1		10·
10·3		36·0	4·9		
10·3		42·0	9·7		
9·6		43·5	27·6		9·4
9·6		44·5	37·5		10·
8·6		50·5	48·1	Ca	9·1
9·6		59·0	59·9		9·5
10·3	18	6·0	42·5		9·5
9·8		10·5	34·0		
8·3		11·5	6·2	CWal	8·5
10·0		14·5	49·9		
9·8		14·8	56·9	a	9·4
9·4		28·0	35·8		9·1
9·8		42·5	8·0		9·5
9·6		47·0	32·2		9·4
10·0		52·5	45·0		
10·2		52·6	15·5		9·5
10·0		54·5	22·5		9·5
10·2	19	2·5	53·9		
9·6		2·5	26·5		9·5
9·8		6·5	51·5	a	9·2
9·5		8·0	19·4		9·5
25pr.	+1	29·9	+0·6		

6901—6960.

mag.	18h. m	s	—21° ′		
10·0	19	19·3	59·5		
8·9		20·9	35·4	am	9·2
10·3		29·4	2·6		
9·0		49·4	43·8		9·0
9·8	20	10·9	47·9		9·5
9·6		12·4	44·4		9·5
10·0		16·4	23·8		9·5
8·4		30·4	39·6	Cam	8·5
8·9		37·9	25·2	a	9·0
10·0		37·9	33·9		9·7
9·6		41·9	18·6	Ca	8·7
9·6		52·9	4·9		
9·6		53·4	49·8		
9·5		57·9	24·7	am	8·8
9·8		58·9	6·4		9·5
10·3	21	1·9	16·2		
9·6		2·9	9·2		9·3
9·0		16·4	42·7	a	9·2
9·6		19·9	4·4		9·3
8·3		22·4	26·5	Caml	8·5
9·6		24·4	31·9		
10·0		31·9	35·9		9·2
8·3		57·4	42·8	Cbm	8·5
10·2	22	17·4	48·4		9·6
7·8		23·4	1·9	Cal	7·5
8·3	23	4·4	50·0	Caml	8·0
9·5		31·4	36·5	CWaml	8·7
10·0		43·4	42·1		
10·2		46·4	51·8		9·3
10·2		53·9	33·8		9·5
9·5	24	0·4	19·9	MC–m	8·5
10·0		14·9	34·5		9·5
10·0		22·9	50·5	a	9·2
9·6		46·4	48·1	a	9·3
9·6	25	6·4	48·0		9·5
9·8		8·4	19·7	C=	9·0
10·2		13·4	7·4		
10·3		33·4	3·1		
10·0		40·4	57·4		9·8
10·3		46·4	55·8		10·
9·8		54·4	7·8		9·5
10·0	26	0·9	34·6		
9·0		6·9	19·3	=	8·8
10·0		15·9	20·2		
8·9		50·9	38·7	–	9·0
9·2	27	39·4	46·0		9·1
10·4		42·6	27·0		9·1
10·4		42·6	47·1		
10·0		42·6	52·5		9·5
10·0		45·9	37·3		
10·4		55·6	33·1		
10·0	28	1·9	19·2		9·0
9·8		15·5	7·9		9·4
10·0		22·9	55·5		
9·1		36·0	32·6		9·4
9·6		36·0	42·2		
9·6		51·1	28·1	}	9·4
10·4		52·1	28·3	}	
8·6		57·1	47·4		9·3
9·0	29	3·1	47·9		9·5
	+1	29·9	+0·9		

6961—7020.

mag.	18h. m	s	—21° ′		
10·0	29	5·1	40·6		9·4
9·6		19·1	6·1		9·2
10·4		22·6	17·1		
9·6		32·1	8·8	–	9·2
8·6		32·1	45·1	W	9·0
8·0		57·6	35·8	Cb=l	8·5
8·2	30	2·1	48·1	CWa	8·3
10·0		2·8	22·1		9·5
8·8		11·6	31·1	–	8·8
8·9		22·6	51·8	a	8·8
10·0		25·1	39·6		
6·0		25·1	29·9	GWπμβ	6·3
9·8		43·6	45·6		9·5
8·9		55·1	32·7		9·1
9·0		58·6	16·5	–	8·9
9·6	31	5·6	55·5		
9·8		6·6	56·1		9·4
6·8		25·6	9·2	Glπμβ	6·0
10·4		29·6	53·7		10·
9·6		32·6	8·7		9·4
9·4		41·8	57·6	a	9·0
9·6		42·6	23·2		9·5
9·8		46·6	52·7		9·4
9·4		59·6	7·4	}	8·8
8·7	32	1·6	7·7	}	
8·6		11·8	0·9	C≡	8·9
10·4		16·6	35·4		
10·4		23·1	41·4		
9·8		31·6	5·3		
7·8		35·6	4·5	Cam	8·2
9·8		37·1	20·0		10·
9·4		40·6	19·5		9·2
10·4	33	4·6	34·2		9·5
8·0		10·1	36·3	Cbm	8·5
8·4		13·1	46·1	CWa	8·5
9·4		13·3	59·2		9·5
10·4		13·6	4·9		
9·6		15·6	14·4		9·2
9·6		18·6	16·2		9·4
9·6		22·6	10·3		9·5
10·4		45·8	16·6		
9·6		56·6	26·4		9·6
10·0		58·1	10·0		
9·6	34	21·1	2·3		9·5
8·7		30·6	26·1	Cam	8·3
9·6		38·6	32·3		10·
10·4		43·1	6·5		
10·0	35	2·6	11·9		9·5
9·6		4·6	16·9		8·8
9·6		17·1	11·1		9·1
10·0		27·1	25·1		9·6
9·4		33·6	25·1		9·6
9·8		34·1	7·7		9·4
10·0		36·1	14·7		
10·4		41·6	19·2		
9·8		43·6	11·1		9·3
10·4		43·6	12·1		
9·8		49·1	20·5		9·9
9·0		53·6	26·3	C=	8·8
10·2		53·6	37·3		
	+1	29·8	+1·2		

7021—7080.

mag.	18h. m	s	—21° ′		
10·3	36	0·6	15·9		
10·4		3·4	1·5		
8·2		5·6	2·4	CWaml	7·5
10·4		5·6	13·3		
9·0		26·6	12·3		9·2
9·8		39·1	14·1		
10·2		46·6	5·3		
10·2		46·6	54·9		
9·8		47·1	32·3		9·7
10·2		50·6	23·0		
10·4		51·9	57·4		9·7
9·1		52·6	4·4		9·5
9·6		52·6	45·1		10·
9·8	37	6·1	23·7		
8·4		11·6	5·7	CWaml	8·2
8·6		26·6	29·1	W	9·1
8·9		33·1	39·1	a	9·0
8·6		34·1	52·9	a	9·0
10·4		42·6	37·0		
9·8		43·6	13·4		
7·1		51·6	7·5	GWaml	6·8
9·8		51·6	13·1		
9·6	38	3·6	14·3		
10·4		20·1	8·1	}	9·3
10·4		20·6	8·1	}	
9·6		21·1	22·5		
8·7		35·6	19·1	a	9·1
9·8		39·5	50·9		
9·8		54·0	38·3		
10·0	39	7·0	31·1		
10·4		13·5	52·2		9·7
9·4		30·5	39·1		9·5
9·0		53·5	16·1	a	9·2
8·7	40	30·0	5·9	a	8·8
9·6		35·5	24·9		9·4
10·4		56·5	50·1		9·5
9·8	41	0·5	28·9		9·1
9·6		6·5	17·1		9·4
10·4		9·0	0·1		10·
10·4		12·0	53·7		
9·4		13·5	43·1		9·4
9·8		15·5	21·1		
9·6		15·5	20·1		9·7
9·8		24·7	35·3		9·8
9·6		25·9	57·1		10·
10·0		43·5	50·8		9·8
10·0		45·5	58·0		
10·4		52·7	25·6		9·5
9·6	42	9·8	1·9		9·5
10·4		12·7	24·4		
10·0		13·5	58·1		9·5
10·0		23·0	57·8		9·5
9·1		36·0	59·5		9·2
10·0		36·5	9·1		
10·4		50·5	8·3		9·5
9·8		52·5	18·4		9·9
9·6	43	5·5	11·1		9·5
9·8		21·0	20·1		9·8
9·6		26·5	58·7		
10·2		36·5	34·3		
	+1	29·8	+1·4		

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7081—7140.

mag.	18h m s	—21° ′		
9.8	43 55.0	16.2		9.4
9.0	57.5	51.8		9.3
9.4	44 2.5	36.1		9.2
9.1	3.7	59.0		9.3
8.6	11.0	3.0	=	9.0
9.1	13.0	49.7		9.1
10.4	15.0	16.1		
9.8	15.5	49.3		
9.4	22.5	40.2		9.0
8.4	22.8	0.4	C=	8.8
9.0	28.5	51.1		9.4
10.0	32.0	35.1		
10.2	35.7	23.8		
10.0	39.5	19.1		
9.6	46.5	5.1		
10.4	52.8	2.6		9.0
9.1	54.5	5.5		9.4
10.2	56.0	17.1		
9.6	45 3.0	34.4		9.3
9.2	20.0	33.8		9.4
10.4	20.7	45.7		
10.4	46.7	8.0		
8.4	49.5	52.4	Cam	8.5
10.0	52.5	33.9		
9.0	54.0	27.9	—	9.1
8.2	46 11.5	12.1	C—	8.3
9.6	29.5	37.3		9.4
8.4	32.5	59.2	am	9.3
7.0	32.5	30.6	GWπμβ	6.2
8.4	43.2	5.1	C=	8.5
9.0	56.0	27.4	C	9.1
9.8	57.0	38.7		9.5
9.4	47 1.2	30.8		9.5
9.4	1.4	42.5		
9.8	6.5	55.9		
9.8	8.0	14.5		
10.4	8.7	45.5		
10.4	12.7	25.6		
10.4	16.5	56.6		
9.6	16.9	12.8		9.5
9.6	19.0	35.0		
10.4	23.0	32.1		9.5
10.4	33.5	13.7		
9.6	53.5	5.6		
9.8	54.5	26.5		
10.4	55.7	28.5		
8.6	56.6	4.0		8.8
9.8	48 12.6	38.6	a	9.4
9.2	13.0	2.6		9.4
9.4	13.5	37.0		9.6
10.4	16.0	38.1		
9.6	29.5	11.0		9.5
9.8	42.5	55.7		9.5
10.2	47.6	38.0		9.2
9.1	51.2	9.6		
9.8	57.0	58.6		9.7
10.4	59.3	7.8		9.3
10.4	49 14.3	18.0		9.4
9.4	37.8	28.7		9.4
9.1	37.8	25.7		9.4
2 5 pr.	+1 29.7	+1.7		

7141—7200.

mag.	18h m s	—21° ′		
10.4	49 52.8	9.6		9.5
10.0	50 5.8	55.8		9.5
8.4	9.3	18.7	CWa	8.5
5.1	16.3	16.0	GSπμβ	4.0
9.0	17.8	54.2	C=	8.5
9.5	30.3	54.6		9.4
8.8	45.3	44.7	Ca	9.1
9.8	51 32.8	14.0		9.5
8.0	45.8	23.7	Cam	8.3
10.4	54.3	30.6		9.3
9.0	55.8	32.5		9.2
8.6	52 6.3	59.8	CWaml	8.3
9.8	21.8	56.0		
9.0	22.8	55.4	a	9.3
10.4	22.8	2.2		
10.4	35.8	3.5		10.
10.0	40.9	0.4		9.5
9.2	52.2	55.1	a	9.4
10.0	53 6.2	18.9		
10.0	13.7	34.0		9.8
8.7	19.7	43.8		9.1
10.4	26.2	36.7		9.8
10.0	37.7	7.8		9.5
9.7	54 9.1	2.2		
9.6	16.0	58.6		9.5
10.0	22.2	57.7		9.4
8.4	22.2	6.6	=	8.8
9.5	42.7	49.0		9.3
9.4	50.7	26.9		9.5
10.4	57.3	1.8		
10.0	55 6.2	20.3		9.5
9.7	47.2	43.1		9.5
10.4	50.2	32.9		
9.6	56 3.7	11.1	=	9.0
9.6	37.7	45.3		9.5
9.7	47.0	0.4		
10.4	47.2	46.0		
9.8	51.2	0.8		9.5
7.4	52.2	42.7	GWbcl	7.0
10.4	57 3.7	21.3		9.5
9.5	5.2	39.1		9.0
9.7	7.2	52.2		9.7
5.2	12.2	55.3	GSπμβ	4.2
8.5	13.2	11.6	a	8.8
9.4	23.7	11.1		9.1
10.4	26.2	20.8		9.4
8.4	37.2	7.7	Cam	7.8
8.4	44.7	15.9	a	8.7
9.5	58 7.7	12.9		9.5
9.0	20.5	6.3	Cam	8.5
10.0	31.5	8.9		
9.3	37.0	22.4		9.4
10.4	40.4	13.6		
10.4	41.5	24.1		9.8
10.0	43.5	7.4		10.
10.0	54.0	28.3		
9.3	59 1.0	53.1		9.1
10.4	5.0	21.9		
10.4	13.0	19.1		
9.0	14.0	21.5		9.5
	+1 29.6	+2.0		

7201—7260.

mag.	18h–19h m s	—21° ′		
9.5	59 20.0	27.7		9.3
9.7	31.0	41.6		
10.4	33.5	8.5		9.5
8.2	34.0	36.9	CWam	8.5
9.0	47.0	30.5		9.1
9.8	53.0	50.7		
8.4	56.5	48.3	CWam	8.5
9.5	0 0.4	38.7		9.3
10.4	12.0	14.9		
9.7	13.5	16.7		9.5
8.7	19.0	26.2	Cam	8.2
8.8	33.3	0.5		9.0
8.0	33.5	53.3	MCWam	8.5
9.5	41.5	25.8		9.5
9.4	43.5	59.0	GCWa	8.7
10.4	46.5	17.8		
10.0	57.0	29.7		
8.6	1 7.5	11.1	GCacl	7.8
8.5	13.0	26.2	am	8.7
10.4	25.8	57.3		
9.5	26.5	5.7		9.0
10.4	35.0	40.3		9.5
10.0	47.0	5.7		9.5
10.0	51.0	41.3		
9.5	53.5	20.7		9.1
9.6	56.5	12.1		9.5
10.4	57.0	6.9		
10.0	2 1.5	29.9		
8.4	14.0	39.2	GCWam	8.5
9.3	16.0	37.1	GWbm	9.2
10.4	16.0	16.3		
3.5	19.0	13.1	GSπμβ	3.
9.5	24.4	11.8		
10.4	27.9	41.1		
10.4	42.1	20.4		
8.6	56.9	30.7	b	8.7
10.4	3 2.9	18.4		
10.0	3.9	14.5		9.5
8.7	5.9	52.3	CWam	8.7
9.3	9.9	34.3	a	9.2
10.4	19.9	25.7		9.5
9.0	25.9	24.7	am	9.1
10.4	40.9	4.0		9.5
8.9	51.2	0.6		9.4
9.4	51.4	53.3		9.4
9.8	53.9	11.3		9.5
8.5	54.4	19.3		8.9
10.0	59.4	28.1		9.5
10.0	4 8.4	45.9		10.
10.0	16.4	55.5		10.
8.4	33.9	17.4	Cam	8.0
10.0	40.9	49.7		
7.5	59.4	51.9	GWtπμ	7.0
9.6	5 10.9	56.2		9.5
9.6	11.9	32.2		9.9
9.5	23.4	3.7		9.5
9.7	36.9	26.1		9.3
9.3	37.9	16.0		9.4
8.9	46.9	20.1		9.3
9.8	58.4	35.1		
	+1 29.6	+2.2		

7261—7320.

mag.	19h m s	—21° ′		
9.2	6 6.9	28.9		9.6
10.4	32.9	11.3		
9.6	34.0	12.7		
8.4	34.4	24.9	C—	8.8
10.2	43.0	3.3		
10.2	47.0	37.3		
10.4	51.0	59.7		
9.7	55.5	46.0		
8.6	7 11.5	26.8	Ca	9.1
8.9	16.2	50.6		9.4
9.5	22.5	52.6		
9.0	25.0	25.8	Cam	9.1
10.4	32.2	29.3		
9.2	40.5	57.1		9.4
9.7	57.2	13.8	—	9.2
9.0	8 15.7	16.4		9.4
9.7	23.5	47.4		9.5
9.3	26.2	31.2		9.5
10.4	30.2	52.5		9.5
8.5	38.1	10.3	Ca	8.6
10.4	39.2	14.0		
10.2	45.9	13.1		
9.8	48.9	30.7	}	9.5
9.6	52.1	31.6	}	
9.0	53.9	10.1	Ca	8.8
9.8	59.8	29.3		9.5
10.2	59.9	1.0		9.5
9.0	9 3.8	33.9		9.4
8.6	9.8	9.1	Ca	9.1
10.4	9.9	30.7		9.5
9.7	22.3	40.4		9.3
9.8	25.3	5.1		9.5
10.0	28.3	42.7		9.3
8.5	31.8	42.9	Cb–ml	8.6
10.0	32.3	40.1		
7.9	42.1	58.4	Ckaml	8.3
8.2	49.8	17.5	GWatπ	8.0
9.6	50.8	37.9		9.5
10.0	10 2.3	39.9		9.7
10.0	3.8	52.6		10.
9.2	12.8	50.2	m	9.0
9.4	19.8	56.9		
9.2	22.8	23.4	a	9.1
8.4	29.8	43.5	Caml	8.3
9.2	29.8	22.1		9.4
9.2	40.3	36.5		9.5
10.4	43.9	37.4		
10.4	11 15.8	58.7		9.4
9.2	17.8	41.9		9.4
8.5	21.8	37.9		9.1
10.0	22.8	14.7		
8.5	25.8	55.7	m	9.0
10.4	25.9	45.8		
10.4	43.3	36.7		
10.4	49.9	44.8		9.8
8.6	52.3	6.9	Ca	8.3
8.5	12 5.8	24.5	Ca	8.5
10.0	17.3	52.3		
10.0	24.8	32.4		9.5
9.4	25.3	22.6		9.5
	+1 29.4	+2.5		

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7321—7380.

mag.	19h. m	s	—21° ′		
10·4	12	37·8	42·9		9·5
10·4		46·8	21·6		
10·2		48·8	52·6		9·4
9·0	13	2·8	29·3	am	8·8
9·8		12·8	11·4		9·4
9·2		15·8	0·3		9·5
10·2		22·8	54·0		9·4
7·6		25·8	45·9	Cam	8·3
9·7		29·8	34·2		
9·2		47·8	28·8		9·6
10·4		47·8	24·9		9·8
10·4		50·8	47·6		
10·4		51·2	58·9		
9·0		52·3	47·9		9·4
9·2		57·3	33·1		9·9
9·7		58·8	24·0		9·6
9·2	14	3·8	40·6		9·8
8·3		25·8	52·6	Cam	8·5
9·2		26·0	2·2		
10·4		36·8	3·0		9·8
10·0		45·8	25·2		9·5
10·4		47·3	47·8		
9·8		47·8	44·1		9·5
9·4		52·8	50·9		9·6
9·8		53·8	51·9		
10·0		56·3	31·1		
9·2	15	2·8	49·5		9·6
9·4		12·8	15·5		9·5
9·2		16·8	39·6		
9·7		21·8	0·2		9·5
8·6		34·9	1·4	a	9·1
10·0		41·8	44·4		
10·4		45·3	47·4		9·5
9·6		45·8	28·9	a	9·2
10·0		50·3	9·5		
9·6		52·8	33·1		9·5
9·6	16	13·1	31·4		9·8
10·2		13·5	59·2		9·6
10·0		17·6	12·9		
9·4		19·6	27·9		9·5
8·2		32·6	59·6	Cam	8·8
10·4		41·6	17·3		9·5
9·0		43·1	21·1		9·5
10·0		48·6	31·9		9·4
10·0		55·6	3·0		9·8
9·2	17	2·6	28·4		9·5
9·4		3·6	38·1		9·5
9·2		16·1	6·2		9·5
10·4		20·6	29·6		
9·7		25·6	22·7		9·5
10·4		25·6	20·8		
10·4		31·1	54·7		
10·4		33·6	44·5		
9·7		45·6	33·2		9·4
10·4		59·6	9·2		
9·7	18	2·6	30·7		10·
9·8		15·6	43·8		
9·7		25·6	10·7		9·5
10·0		32·1	5·7		9·3
9·8		35·6	51·2		9·6
25pr.	+1	29·3	+2·7		

7381—7440.

mag.	19h. m	s	—21° ′		
7·4	18	41·6	47·3	Cb=l	8·2
10·4		56·6	32·2		
8·2	19	2·6	29·4	Gctlπ	7·5
9·4		15·6	56·2		9·1
10·0		18·1	27·7		
10·4		24·6	32·8		
8·0		40·6	52·4	Ca	8·3
9·4		43·1	8·6		9·5
10·0	20	5·6	24·2		9·4
9·4		12·1	29·2		9·5
9·7		29·1	50·8		9·3
8·8		35·1	24·0	a	9·2
10·0		52·6	23·3		9·5
10·0	21	3·1	22·9		
10·0		3·6	31·4		
9·2		10·6	14·6	–	9·2
10·0		12·1	32·2		
10·4		12·6	15·3		
9·2		19·1	16·6		9·8
10·4		25·1	9·6		9·5
9·0		59·1	44·7		9·1
8·4	22	17·1	35·6	Gamtπ	8·2
10·4		28·6	56·0		9·5
9·2		51·6	54·7		9·4
8·2		55·6	5·6	Cam	8·0
9·7	23	2·6	9·8		9·8
6·7		28·6	34·2	Gtlπμ	6·5
10·0		32·6	17·0		9·5
8·0		35·1	41·4	Cb	8·0
8·2		36·6	33·6	a	8·8
10·4		39·6	27·0		9·8
9·7		46·1	13·8		9·5
10·0		52·6	27·8		9·4
9·0		53·0	58·3		9·3
8·3		53·6	53·8	Ca	8·3
8·0	24	1·1	18·0	Mb=ml	7·8
7·8		2·6	54·0	Cal	8·3
8·5		7·6	8·5		8·8
9·4		15·6	20·3		9·3
10·4		23·0	59·3		9·6
9·8		26·6	29·9		9·8
10·4		29·1	0·6		9·9
7·8		49·6	46·7	Gatlπ	7·3
9·7	25	12·2	57·3		9·4
9·8		25·6	6·3		9·5
10·0		28·1	51·9		
10·4		34·6	49·3		9·5
10·0		43·6	49·4		
10·4	26	12·1	19·5		
9·2		29·1	15·2		9·4
9·6		35·6	36·4		9·5
9·4		35·6	11·9	M–m	9·0
8·8		37·1	48·1	–	9·0
9·0		54·0	13·7		9·3
9·8	27	26·1	3·1		9·5
9·4		27·5	37·6		9·5
9·8		28·1	31·9		9·4
10·2		32·6	13·9		10·
9·8		55·5	59·6		
10·4		58·1	33·9		
	+1	29·1	+3·0		

7441—7500.

mag.	19h. m	s	—21° ′		
9·7	28	6·4	58·8		9·8
7·4		12·8	3·0	Gactπ	6·8
9·4		19·8	23·0		9·1
9·2		23·6	39·4		9·1
8·5		27·0	11·7	Cam	8·8
9·2		43·6	30·6		9·2
10·4		55·1	43·1		
10·3	29	0·8	56·0		9·5
9·0		33·4	46·0		9·0
8·5		37·9	54·2	C=	8·3
9·6		46·9	34·8		9·3
9·0	30	8·9	11·1		9·5
9·8		10·9	7·1		9·5
10·0		16·9	11·1		9·4
9·4		22·9	5·6	Cam	9·0
10·0		45·4	17·1		9·7
10·3		48·4	36·3		9·3
10·2	31	16·9	20·0		9·8
9·8		16·9	30·4		9·5
10·3		22·4	49·2		
10·2		56·4	0·1		9·7
9·8	32	4·9	50·6		9·4
9·6		14·4	26·0		9·1
9·2		18·4	53·3	=	8·7
8·4		26·9	37·3		8·8
8·4		30·4	17·3	Ca	8·3
10·2		38·4	54·2		9·3
7·6		52·9	35·2	Cb–l	8·0
8·0	33	9·4	32·2	C	8·3
8·2		26·4	7·5	MCb	8·0
9·0		44·9	53·6		9·5
8·4	34	20·4	50·6	Cam	8·5
8·4		26·4	7·6	Cbml	8·7
8·8		29·4	8·1		9·5
8·4		32·4	9·1		9·1
9·4		46·4	55·6		9·3
9·0		51·9	27·0	m	9·0
9·4	35	13·7	1·7		9·5
8·4		33·4	46·4	Cbl	8·3
9·4		38·4	39·5		9·3
8·4	36	22·4	27·2	C–	9·0
9·8		38·9	15·5		9·4
10·2		46·4	3·3		
9·8		46·9	59·5		9·5
8·4	37	4·9	5·1	MCam	8·3
10·3		13·4	23·5		9·4
9·6		25·9	7·2		9·0
10·2	38	14·4	42·6		9·8
9·8		15·4	27·0		9·7
9·0		42·4	14·6	MC–m	9·0
10·3		47·6	2·2		9·5
9·8		56·4	46·4		9·5
7·2	39	5·9	49·4	CWal	7·3
9·6		15·9	52·6		9·3
8·2		15·9	12·4	C≡m	8·5
9·8		25·9	13·6		9·3
8·5		26·4	29·1		9·3
10·3		46·4	43·1		
9·0	40	0·4	56·5	Mm	9·1
9·0		8·9	41·9		9·3
	+1	28·9	+3·3		

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mag.	19h. m	s	—21° ′		
9·8	40	20·4	47·1		9·8
9·8		35·4	39·1		9·4
7·1		37·4	15·8	Gtlπμ	6·8
9·0		42·4	26·1		8·8
10·3		47·4	46·1		9·5
9·4		51·9	54·8		9·4
9·4	41	13·9	28·1		9·4
10·0		17·1	33·9		9·6
9·8		22·6	47·0		9·6
9·6		44·1	53·6		9·4
8·5		54·1	2·1	C	9·1
9·0	42	13·1	18·1		9·1
8·4		18·1	40·4		9·1
9·8		22·1	37·1		
8·4		23·6	3·4	MC–m	8·6
9·2		43·6	50·1	Mm	9·0
9·4		47·3	2·3		9·6
7·7		56·1	57·3	Cam	8·5
10·3	43	23·6	44·1		9·5
10·3		34·6	58·2		9·6
9·4		46·1	31·5		9·3
8·4		58·6	27·7	MCbm	8·5
10·3	44	33·1	34·1		9·7
10·3		49·6	13·0		9·8
10·0		52·2	4·1		9·8
8·4	45	15·1	39·6	Ca	8·8
9·8		18·6	21·8		9·2
7·9		31·6	23·1	Cal	8·2
9·0		32·1	1·5		9·2
9·8		40·1	26·0		9·8
9·4		44·1	45·0	}	9·0
9·4		45·6	44·7	}	
10·3	46	16·1	17·0	M–m	9·2
9·8		16·1	35·7		9·5
9·0		45·6	40·5	a	9·1
9·6	47	6·6	46·1		9·8
9·0		27·6	30·7		9·4
10·3		58·8	48·7		9·3
8·4	48	8·6	49·9	Cam	8·2
10·3		22·5	17·6		9·8
9·8		57·6	16·3		
9·2	49	3·6	13·9		9·3
9·2		24·5	35·9		9·4
9·4	50	59·5	4·2		9·1
9·4	51	6·2	19·1		9·4
9·0		23·9	35·3		9·2
9·4	52	6·2	5·5		
8·4	53	2·0	11·7	Gbtlπ	8·0
9·4		5·1	6·5		9·3
9·4		31·1	38·3		9·8
9·1		40·8	3·2		9·4
9·4		47·4	30·4		9·7
7·8		47·8	48·3	Caml	8·2
8·7		50·4	53·9	Cam	9·0
9·2	54	11·5	57·5		9·5
9·4		49·1	38·6		9·5
8·2		52·6	25·9	Cam	8·2
9·3	55	28·6	10·2		9·8
8·4		37·4	5·5	Cam	7·8
9·4	56	5·5	28·8		
	+1	28·6	+3·7		

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7561—7620.

mag.	19h.–20h. m s	—21° ′		
9·0	57 15·9	57·2		9·1
9·2	16·6	56·1		
9·4	30·1	53·4		9·3
8·7	36·3	26·0		8·9
9·4	36·4	59·1		
9·4	36·5	43·3		9·5
7·7	37·0	39·8	Gctlπ	7·0
9·3	58 18·5	9·0		9·5
8·2	48·5	21·2	Cam	8·0
9·0	59 16·0	15·4	a	8·9
9·3	30·2	1·6		9·4
8·7	0 6·5	47·7	Cka	9·0
9·3	18·5	36·4		9·5
8·0	19·5	11·4	Cam	8·0
9·2	58·0	38·0		9·4
9·3	1 15·0	11·5	G	9·5
8·7	19·8	20·8	a	8·9
9·3	49·8	47·3		9·1
8·8	2 16·0	49·4		9·4
8·4	33·0	53·2	CWam	8·5
9·0	51·0	38·0		9·5
9·0	3 14·8	40·9	C—	8·8
8·7	19·5	16·6	C	9·1
8·7	31·0	40·2	C=	8·5
9·3	31·8	12·9		9·2
8·6	32·3	23·3	—	8·8
9·0	48·0	19·8		9·4
9·3	4 7·8	4·8		9·3
9·2	39·8	44·2		9·4
8·7	42·2	40·2	a	9·0
8·8	58·9	6·0	G	9·4
9·0	5 15·7	37·1		9·3
9·4	49·3	58·8		9·1
8·0	53·9	48·8	C bml	8·0
9·2	6 10·2	42·3	am	9·0
9·0	42·2	40·7		9·1
9·3	45·2	55·4		10·
8·2	7 10·9	56·3	MC	8·7
8·6	23·9	34·0	am	8·6
8·8	34·0	11·0	—m	9·0
9·4	35·9	28·3		9·5
9·4	56·5	18·4		9·3
10·0	59·9	43·5		9·5
8·4	8 11·4	50·6	MC=m	8·4
10·0	17·4	44·4		9·5
10·4	33·5	2·5		9·8
9·8	38·4	37·7		9·3
9·6	39·7	47·0		9·7
10·4	44·4	56·6		9·8
10·4	44·9	45·0		10·
9·4	9 3·4	42·4		9·1
8·4	29·5	18·9	Ca	8·3
9·4	41·9	16·1		9·6
10·4	47·0	42·1	G MCal	7·7
9·4	53·4	40·9		9·2
9·5	53·9	35·4		9·0
10·2	10 3·9	13·1		
10·2	24·9	29·6		9·6
10·2	31·4	55·4		9·7
10·4	33·9	22·8		
2 5 pr.	+1 28·0	+4·3		

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mag.	20h. m s	—21° ′		
10·0	11 13·4	24·8		9·3
9·0	13·9	43·1		9·1
9·5	35·4	19·4		9·4
9·6	49·6	56·9		10·
10·2	12 0·4	7·3		
8·6	2·9	33·6	C—	8·5
10·2	3·9	10·0		9·4
9·8	5·4	52·1		9·8
7·3	7·9	20·4	GC=	7·0
8·8	21·6	18·2	=	9·0
9·2	34·1	12·4		9·4
9·4	36·6	35·4		9·4
9·6	37·6	58·1	Mm	9·1
9·8	47·6	14·8		9·5
9·4	13 13·6	49·8		9·3
8·6	28·6	11·7	Ca	8·7
10·4	46·6	21·0		
10·0	56·6	26·1		9·4
10·2	14 6·6	40·8		
9·6	9·1	50·2		10·
9·0	15·1	7·8	G	9·5
7·6	15·1	48·5	Cam	7·6
10·0	17·6	45·8		10·
10·0	23·1	53·0		
8·8	27·6	59·0		9·0
10·2	15 5·6	46·9		
9·6	10·1	21·2		9·3
10·4	12·1	25·9		9·6
9·8	43·6	51·7		9·6
8·6	46·6	14·6	CW—	9·0
8·9	48·6	3·7		9·1
10·0	50·4	59·0		9·5
9·3	16 2·6	48·7		9·4
10·4	6·1	1·4		10·
8·4	13·6	44·2	MCa	8·2
9·8	18·6	34·7		9·7
10·0	26·6	51·1		
9·8	41·7	2·8		10·
8·4	47·6	34·3	Cb	7·8
8·6	17 4·1	18·8	MC≥m	8·2
9·0	16·1	35·4		9·1
10·2	23·1	0·9		
10·4	26·6	56·2		10·
9·6	34·1	56·0		9·6
9·8	38·1	37·1		
9·8	38·6	2·5		
9·8	43·9	3·1		9·8
9·0	44·1	19·8		9·4
10·0	45·6	11·2		9·7
9·8	53·1	23·7		10·
10·4	59·1	27·2		
9·2	18 8·1	12·2		9·4
8·8	10·6	33·7	Ca	8·5
8·6	12·1	53·5		8·7
9·4	22·6	59·0		9·7
10·2	19 16·6	37·8		
9·4	32·6	34·2		9·1
8·6	35·6	13·0	MCWal	8·5
9·8	56·1	14·1		9·4
10·4	20 19·6	27·9		
	+1 27·7	+4·7		

7681—7740.

mag.	20h. m s	—21° ′		
9·8	20 27·6	30·8		9·5
9·8	36·1	51·6		
9·8	42·1	29·6		9·6
10·0	43·1	41·8		
10·0	21 11·6	59·3		9·6
8·7	16·1	32·4	MC=	8·9
9·8	17·6	24·0		10·
9·4	26·1	53·2		9·3
9·6	37·1	37·7		9·4
9·4	39·1	50·4		9·4
7·1	44·1	18·8	GCWbl	6·5
10·4	51·6	41·9		10·
9·8	53·1	40·0		9·5
9·8	56·1	3·3		9·5
9·8	22 5·6	25·1		10·
8·9	13·1	9·5		9·4
8·8	20·6	32·3	MCam	8·7
10·4	32·6	32·2		
9·2	33·6	36·9		9·1
9·2	45·6	40·2	Cam	9·0
8·0	23 25·6	7·7	GCb≡l	7·0
9·8	32·6	15·5		9·5
9·4	38·1	37·3		9·4
9·8	50·6	11·3		
9·5	56·6	9·7		9·5
9·8	24 23·6	35·3		
9·2	45·6	30·6		9·2
9·6	45·6	27·2		9·4
10·0	25 16·1	52·9		9·8
10·4	20·1	20·5		9·8
10·0	33·6	35·7		9·8
10·0	35·6	16·4		
9·8	36·6	55·7		9·9
9·5	37·6	21·3		9·8
9·6	42·6	41·9		10·
10·4	51·7	48·6		
9·4	26 4·6	56·5		10·
9·0	9·6	51·0	C	8·8
8·6	11·6	19·1	CW=	8·3
9·2	18·1	40·8	W	9·0
9·8	44·1	47·7		9·8
9·8	27 3·6	39·9		9·7
10·4	7·7	17·2		
10·4	9·5	1·8		
9·8	14·1	25·6		
9·4	17·7	30·5		9·5
9·2	25·5	51·8		9·1
10·4	29·3	24·7		
9·6	40·8	35·3		9·6
10·0	53·3	44·5		
9·4	28 10·4	2·7	CWam	9·2
9·6	22·7	40·9		9·5
9·8	25·0	50·9		10·
10·4	39·3	41·0		
10·4	55·8	8·9		
10·0	29 0·8	39·3		10·
9·4	2·0	27·9		9·6
10·2	2·3	46·3		
8·3	5·3	24·5	Ca	8·8
10·4	11·8	2·4		
	+1 27·4	+4·9		

7741—7800.

mag.	20h. m s	—21° ′		
7·8	29 12·3	1·0	Gtlπμ	6·8
9·6	15·7	25·6		9·4
9·6	36·2	44·7		9·5
10·0	43·9	1·0		9·7
9·8	54·7	55·0		9·7
9·8	30 3·2	32·2		9·7
8·0	20·7	46·2	CWam	8·4
10·0	37·7	8·8		10·
10·4	47·7	36·2		
10·0	47·7	51·7		10·
7·4	31 4·7	51·5	CWaml	8·2
7·2	10·7	25·8	GWtlπ	6·8
10·0	14·7	48·9		9·5
10·4	33·2	41·2		
9·2	42·7	31·8	a	9·0
10·4	57·7	46·8		
9·2	32 15·2	28·7		9·4
8·6	22·2	22·4	CWal	8·4
10·4	27·7	44·9		10·
9·1	55·7	24·0	CWa	9·1
10·4	57·7	30·0		10·
8·6	33 11·2	39·4	Ca	9·1
8·7	12·2	14·4		9·1
10·4	34·2	14·6		9·8
10·4	42·7	57·6		
8·6	34 2·7	30·4	am	9·0
10·4	4·2	51·1		10·
9·0	17·2	15·2	Cam	9·0
9·8	23·2	30·2		9·8
9·8	28·2	20·0		9·5
9·8	31·7	28·0		9·7
9·3	48·2	29·2		9·5
9·0	51·2	43·0	Cam	8·8
9·6	58·7	40·2		9·5
10·2	35 12·2	9·1		9·6
8·2	57·7	15·3	MC≥m	8·8
8·7	36 17·7	32·9	C	8·8
9·8	31·2	56·3	C	9·4
8·0	33·2	40·8	C=	8·8
8·6	33·2	43·6		9·3
10·2	37·2	8·7		9·5
9·6	45·2	47·7		9·5
8·0	56·0	38·3	C=	8·3
9·6	37 29·8	2·2		9·0
8·0	35·5	20·4	MCW≡m	7·7
8·6	38 1·5	36·2	Cam	8·7
10·3	13·0	37·5		
9·4	29·0	48·6		
9·0	30·5	18·2	Wam	9·2
9·0	33·5	25·5		9·1
6·4	54·9	58·0	GWtπβ	5·9
10·2	39 26·0	42·1		10·
10·2	27·0	47·8		10·
9·6	32·5	12·1		9·3
10·3	56·0	5·1		10·
10·3	40 16·0	13·2		
9·8	27·0	19·8		9·8
10·3	31·0	23·9		9·8
9·1	49·5	44·1		9·1
10·3	52·0	29·1		9·5
	+1 27·1	+5·2		

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7801—7860.

mag.	20^h m	s	—21° ′		
9·2	40	52·0	18·6		9·3
9·0	41	5·5	48·4	CK	8·9
10·3		7·5	9·0		10·
10·2		12·0	20·8		9·8
8·3		22·0	14·4	MC≡m	8·7
9·8		24·5	20·2		
8·6		43·0	4·7	Cam	8·5
8·0	42	2·0	5·1	Cam	8·0
9·0		2·0	21·6		9·2
10·3		27·5	39·2		9·5
9·6		35·0	3·9	am	9·1
10·2		53·4	59·4		9·7
7·4	43	40·5	46·3	Caml	6·8
9·0	44	15·0	29·3	CWK–	8·7
9·6		20·0	36·0		9·3
9·8		24·0	49·8		9·6
9·0		30·5	19·0		9·3
10·3		34·0	37·2		
9·0		42·8	0·8		9·4
9·8		51·1	2·3		
7·6	45	8·0	41·9	aml	7·3
10·3		19·5	46·9		9·5
10·3		25·5	20·6		
9·8		51·5	44·6	C	9·3
9·1		56·0	9·6	K–	9·3
9·6	46	15·0	20·7		9·8
10·0		27·0	38·5		9·5
9·8	47	0·0	21·4		9·5
10·3		2·4	43·2		10·
10·3		9·4	47·4		9·9
9·1		11·2	56·1	Cam	9·0
9·9		12·0	38·9		
9·0		17·7	57·2		9·4
9·7		26·0	44·5		10·
7·4		32·0	25·3	K=ml	7·5
9·0	48	11·5	35·4		9·0
9·9		42·5	51·1		9·7
9·0	49	16·5	3·8		9·0
9·9		48·0	43·3		10·
9·7	50	33·0	5·7	?	
9·7		39·5	31·6		9·6
8·9		40·5	41·9	Ca	9·1
8·5	51	2·0	48·9	Cal	8·5
9·9		6·3	13·9		9·8
9·5		6·3	42·9		9·3
9·0		32·3	31·5		9·1
9·9		35·3	34·0		10·
9·2		48·8	44·9		9·5
9·5		49·8	34·1		9·7
9·9	52	11·8	52·5		9·9
9·9		55·3	20·5		10·
9·5	53	1·3	41·9		9·8
8·6		3·3	38·3		9·2
9·0		18·8	4·9		9·2
9·7		22·8	32·5		9·7
9·7		38·3	52·0		9·6
9·9		44·3	55·9		9·8
9·7		52·3	7·3		9·8
9·7		55·3	11·2		
8·5	54	3·3	56·1	Cam	9·0
25pr.	+ 1	26·6	+ 5·6		

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mag.	20^h—21^h m	s	—21° ′		
9·5	54	8·3	44·3	K	9·5
9·9		52·3	48·7		
9·0		53·8	36·6	C	9·0
8·6		55·3	49·3	Cam	8·8
9·0	55	0·8	54·3	Ca	9·2
9·5		22·3	15·2		9·3
9·8	56	25·3	8·7		9·8
9·7		26·3	45·8		9·6
9·2		34·8	20·5		9·3
8·0		43·3	14·3	C≡	8·3
9·7	57	6·8	47·9		9·9
9·2		41·8	44·1		9·4
9·7		51·3	22·1		9·6
8·5	58	2·3	41·1	Caml	8·5
9·5		15·3	1·0		9·2
9·2		28·3	43·7		9·4
9·0		33·8	27·1	Caml	8·5
9·0		52·3	31·1	a	9·2
9·5	59	50·8	26·1		9·9
8·9		52·3	15·2	Ca	9·0
8·5		56·9	23·5	MCam	8·7
9·9	0	10·2	15·2		9·7
8·6		12·0	0·2	Cal	8·4
9·2		45·4	37·2		9·0
9·2		51·4	42·4		9·0
9·5	1	2·9	29·8	Mm	9·2
9·5		17·9	27·8		9·5
5·3		23·4	41·6	Glπμβ	5·3
9·9		25·4	18·5		9·5
9·5		33·2	2·1		9·4
9·7		36·4	7·5		9·5
6·5	2	23·9	3·5	Glπμβ	6·5
8·5		25·4	33·1	MC–m	8·3
9·7		47·9	37·1		10·
9·5		49·9	9·3		9·6
9·2		56·4	22·3		9·3
9·9	3	6·9	21·1		9·8
9·9		16·2	33·4		10·
9·7		37·4	3·9		9·3
9·9		41·4	8·8		9·5
9·9		53·9	2·2		9·8
9·2	4	4·9	13·8		9·5
9·7		41·4	40·2		9·5
9·2		51·9	39·2		9·3
9·2		52·9	53·6		9·5
9·9	5	21·4	22·4		9·5
9·9		22·4	21·3		
8·4		28·4	31·3	Caml	7·7
9·9		39·9	20·6		9·4
9·9		40·4	4·0		9·4
9·9		53·4	25·1		9·5
9·2		54·9	47·9	Ca	9·1
9·7		56·9	41·1		9·3
9·2	6	6·4	12·9		9·4
9·7		33·4	52·0		9·7
9·5	7	5·9	56·8	C	9·3
9·9		12·4	35·7		9·3
9·9		21·9	29·7		9·6
9·9		36·9	56·0		9·5
8·2		51·0	18·1	GC–tπ	7·5
	+ 1	26·0	+ 6·0		

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mag.	21^h m	s	—21° ′		
8·2	8	5·4	48·7	b=l	8·2
6·8		31·6	10·2	GWπμβ	5·5
7·5		43·6	57·6	al	8·0
10·1	9	25·9	34·0		9·5
9·6	10	23·7	54·8		9·4
9·2		32·7	46·7	Cam	8·5
8·2		50·2	46·4	Ca	8·6
9·2	11	12·7	43·5		9·0
8·4		56·7	48·1	Cam	8·7
7·8		59·2	48·9	Cam	8·7
10·1	12	14·7	9·9		9·4
8·7		54·2	57·0		9·3
9·4	13	53·7	58·9	Ca	9·0
7·5		56·2	20·8	GWlπμ	7·2
8·9	14	11·7	7·6	C	8·5
10·1		46·2	11·7	a	9·0
9·4	15	9·2	30·7		9·2
9·2		9·7	13·6	a	9·0
6·8	17	4·2	22·8	GSπμβ	5·3
8·7		55·7	28·9	a	9·0
9·4	19	4·2	10·2	K	8·8
7·8		16·2	32·1	Gatlπ	7·5
10·1	20	1·7	15·8		9·2
7·3		9·2	44·1	Gtlπβ	6·4
10·1		27·2	27·1		9·4
10·0	22	11·7	24·6		9·5
9·4	23	24·2	13·1		9·1
9·2	24	13·7	36·4		9·1
9·0		31·7	7·1	–	9·0
10·1		43·5	58·0		9·4
9·9	25	17·7	9·4		9·4
8·2		22·2	30·2	MCal	8·4
8·2	26	8·7	13·8	Gbtlπ	8·5
7·7		20·7	49·7	MCaml	8·4
8·9		53·9	50·7	Cam	9·0
10·1	27	16·6	21·8		9·5
8·6		38·1	10·9		9·2
9·4		42·4	54·7	Mm	9·3
8·6		49·8	0·1	Gbtlπ	8·2
8·6	28	46·4	37·9	C	9·0
9·1	29	40·3	16·7		9·1
8·9		47·3	59·9		9·3
9·2	30	5·8	35·9	CK	8·8
10·0	32	13·3	40·0		9·5
10·0		28·3	36·2		9·5
9·2		39·8	14·1		9·1
10·0		46·0	46·9		9·3
9·8	33	3·8	20·2		9·8
9·2		10·3	29·2		9·4
8·9		30·8	49·9		9·2
9·0		49·3	37·5		9·3
9·6	34	22·8	30·9		9·6
9·0		30·3	52·0	C	9·1
8·9		34·8	7·4	am	9·0
9·6	35	36·8	58·7		9·6
9·0		50·3	27·7	a	9·3
9·2		52·8	52·8		9·3
9·4	36	13·8	29·2		9·3
8·9		53·3	20·0	MCa	9·0
9·8	37	23·8	28·1		9·2
	+ 1	25·1	+ 6·5		

7981—8040.

mag.	21^h m	s	—21° ′		
10·0	37	26·3	3·4		9·9
9·1		27·8	27·8	a	9·2
8·9		42·8	50·6		8·9
8·9	38	10·3	47·9		9·1
9·2		54·4	29·6		9·4
10·0	39	18·4	18·4		9·7
10·0		41·9	16·6		
10·0		55·9	45·1		
8·6	40	8·9	5·9	MC–m	9·0
8·7		32·9	20·3	Ca	9·0
9·6		48·4	55·7	Mm	9·2
10·0	41	57·9	39·7		9·3
9·6	42	38·4	4·0		9·8
8·9		41·4	5·4	M=m	9·1
8·7		53·9	3·7	Cb=ml	8·7
9·4		56·4	21·1		9·4
8·9	43	18·4	51·6	Ca	8·7
9·2		38·4	3·6	M	9·2
7·5		51·9	7·5	Cb≡ml	8·0
9·9		54·4	3·1		9·5
9·9	44	20·9	45·1		9·6
9·9		24·9	26·3		9·5
10·0		28·4	56·0		9·5
9·0		48·9	49·7	Cam	8·9
9·6		54·3	51·6		9·2
9·0	47	3·7	45·3		9·4
9·0		4·0	18·6		9·3
10·4		41·6	16·2		
8·0	48	37·9	0·7	Ca	8·5
8·0		39·2	43·7	Wkaml	7·2
9·2		41·6	8·7		9·3
10·4	49	9·9	5·9		10·
9·5		36·1	18·6		9·6
9·0		36·1	21·4	CW	9·1
8·5		37·1	7·6	C–	9·0
10·0		41·6	37·3		9·8
9·6	50	32·6	42·8	CWa	9·3
8·5		33·1	44·3	CWa	8·8
9·8		37·1	32·2		9·8
10·4	51	3·6	56·6		9·5
10·4		18·9	59·6		9·9
8·8		20·6	19·9	CW	9·0
7·6		45·1	46·7	GWlπμ	6·2
9·4	52	28·6	45·1		9·3
10·4		28·6	42·7		9·8
9·2		33·1	48·7		9·4
10·0		33·1	16·9		
10·4		42·6	49·3		
9·0		46·1	18·1		9·7
10·4		47·1	1·0	}	9·5
10·0		47·1	0·6	}	
9·2		51·6	26·1		9·5
10·0		52·6	5·6		9·5
9·2		52·6	13·8	Wa	9·4
10·4	53	10·6	40·8		
9·2		22·1	48·1		9·6
9·4		22·6	21·1		9·8
8·8		33·1	25·0	MCbl	8·9
9·5		56·6	25·7		9·6
9·2	54	7·6	32·6		9·4
	+ 1	23·9	+ 7·0		

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8041—8100.

mag.	21h.–22h. m	s	—21° ′		
10·4	54	38·1	26·2		9·8
9·2		42·6	19·7	W	9·5
10·4		47·1	40·5		10·
10·0		54·1	40·8		
9·6		56·1	42·2		9·7
10·2	55	26·1	54·1		9·7
9·8	56	12·1	39·0		9·6
10·4		45·6	2·7		
8·0	57	30·1	1·0	Ca	8·0
9·6		38·1	6·8		9·5
9·8		43·1	34·3		9·6
9·2		48·1	41·0		9·5
8·8		52·6	17·7	Ca	9·1
9·8		52·6	22·0		9·6
9·0		57·6	40·1		9·3
9·6	59	20·1	9·0		9·8
9·6		26·1	39·0		9·6
10·2		36·6	35·0		
10·2		40·1	39·0		
9·8	0	6·1	23·5		9·4
9·8	·	8·1	2·0		9·3
9·8		35·1	41·1		9·5
8·0		43·1	21·9	C–	7·3
9·8		44·1	37·9		9·4
8·8		47·1	41·8		9·1
10·4	3	19·6	41·4		
9·8		23·1	36·7		
8·6		23·1	36·2	Cal	8·3
9·2		48·6	17·1	a	9·2
10·4		52·1	7·7		9·8
6·4	4	6·1	50·7	GWtlπ	6·0
9·2		50·6	59·4	Wa	9·0
7·6	5	53·1	30·2	Cb–ml	7·3
10·0		53·3	59·3		9·5
9·6	6	9·6	56·1		9·3
9·2		44·6	16·2		9·2
9·8	7	7·9	31·4		9·4
6·6		23·6	41·7	Gklπβ	5·5
9·1		33·4	49·2		9·0
8·4		33·8	39·0	Cal	9·0
8·3		35·0	33·7	Ckal	8·8
8·8		53·8	48·6		9·3
10·2	8	2·6	56·4		9·6
9·1		18·4	3·6		9·2
8·6		46·2	53·8	CWaml	8·6
10·2		53·4	48·4		9·4
9·4	9	6·9	54·9	Wa	9·1
9·6		14·9	44·5	Ca	9·2
9·4	10	43·3	5·7	Wa	9·1
10·2		57·3	12·8		
8·5	11	6·3	7·1	CWam	8·8
9·5		22·3	13·4		9·3
9·5		25·8	32·0		
8·3		33·3	37·5	Cal	8·6
9·0		39·3	11·6		9·3
9·0		40·3	7·1	CWam	9·0
8·3		42·3	21·7	Cb–l	7·7
8·5		45·8	10·6	Ma	9·0
9·5	12	32·8	25·3		9·5
10·0		35·3	44·5		9·5
25pr.	+1	23·2	+7·3		

8101—8160.

mag.	22h. m	s	—21° ′		
9·8	12	56·3	28·7		9·8
10·3		57·3	43·3		10·
9·1	13	3·3	56·7	Ca	8·9
10·3		25·4	8·0		9·8
9·4	14	11·9	44·7		9·3
9·1		28·4	57·5		9·2
9·0		49·9	24·7	Ca	8·9
8·5	15	5·9	27·3	Ca	8·5
9·4		27·9	43·7		9·4
10·3		31·4	51·2		9·8
9·2		43·9	41·9		9·2
10·2	16	48·9	56·4		9·8
8·6		53·9	14·8	CWal	8·6
9·6	17	48·6	0·9		9·8
10·3	18	8·4	21·2		9·8
9·5		29·4	5·7		9·5
9·5		48·9	14·3		9·5
9·0		59·3	53·7		9·4
10·0	19	48·3	42·9		9·6
10·3		54·8	1·2		
10·2		55·3	29·5		10·
9·8	20	0·3	49·7		
10·0	21	10·8	21·3		9·7
9·0		21·1	0·9	Ca	9·0
9·5		39·8	49·9		9·3
9·8		46·8	59·0		
10·3		46·8	10·4		
10·0		58·3	6·4		9·8
10·0	22	2·3	2·9		
9·8		8·3	18·1		10·
7·8		16·3	2·9	Caml	8·3
9·4		19·3	24·3	C	9·3
9·6		20·3	52·1		9·8
9·4		22·8	35·9		9·4
10·3		35·3	35·0		9·8
9·8	23	19·3	54·1		9·5
9·6		26·3	11·4		9·5
10·3		31·8	15·4		
9·6		32·8	28·4		9·6
10·2	24	56·0	22·8		9·5
9·0	25	21·3	24·7		9·4
8·8		34·7	20·9	C	9·2
9·6		39·6	58·9		9·6
9·6	26	16·7	50·9		9·2
9·1		44·7	43·4		9·5
10·3	27	21·7	21·3		9·8
9·6		39·6	59·3		9·2
9·6		51·2	34·6		9·5
5·4		51·7	20·8	GSlπβ	5·7
10·3		53·7	31·5		9·8
10·3	28	7·7	18·4		
9·4	29	1·9	35·0		9·2
8·0		5·2	34·8	Gatlπ	7·3
10·0		7·2	12·2		9·5
9·5		22·5	42·8		9·4
7·2		57·7	44·2	Gatlπ	7·8
9·4		59·7	3·4		9·4
9·8	30	13·2	27·4		9·6
7·1		42·3	1·5	Gbtlπ	7·0
9·2	31	8·7	6·0		9·4
	+1	22·3	+7·6		

8161—8220.

mag.	22h. m	s	—21° ′		
8·5	31	44·7	28·8	C	8·7
9·2		54·7	16·0	C	9·0
9·2	32	41·7	19·6		9·3
8·4		46·7	42·2	C–	8·9
9·4		57·7	8·4		9·4
10·3	33	19·2	6·4		10·
9·0		22·2	21·5	C	9·0
9·8		26·9	59·0		9·5
10·3		31·2	11·7		9·8
9·8		35·7	44·1		9·6
9·6	34	13·9	19·2		9·4
10·3		22·9	37·1		9·7
9·8		33·9	16·5		9·5
10·2	35	11·9	40·1		9·4
9·2		12·9	26·1	C	9·0
9·8		13·4	42·7		9·6
9·2		35·9	16·7		9·5
8·8		51·9	35·9	CW≡	8·6
10·3		52·8	58·7		9·7
10·3	36	2·9	49·8	C–	9·0
10·2		59·4	45·1		9·8
8·5	37	15·9	23·9	C=	9·0
9·2		48·9	36·1	CWa	9·3
9·0	38	25·2	0·8	C	9·1
8·8		32·9	31·7	CWa	9·0
9·0		57·4	19·1	a	9·0
10·3	39	15·9	30·1	W	9·4
9·1		22·9	43·3		9·4
10·3		28·1	43·5		9·6
7·7	40	4·4	26·9	Ca	7·9
9·6		19·9	29·3		9·7
8·6		41·4	42·6	Ca	8·5
9·0	42	30·9	38·3		9·1
10·3	44	32·9	40·8		9·5
8·4		53·9	36·0	C=	8·5
8·2	45	43·4	50·8	Ca	8·3
9·2	47	18·9	2·6	Cb	8·9
10·3		20·2	59·8	–	8·8
9·2		45·2	30·8	Cb	9·1
10·3		46·9	25·5		9·3
10·1	48	5·7	18·2		9·5
10·1		35·7	51·2	C–	9·1
9·4		45·7	26·2		9·3
10·0	49	9·2	25·1		9·6
8·2		11·7	11·8	Cbl	8·5
10·1		16·2	1·1		9·4
9·8		21·5	45·5		9·3
10·1	50	11·1	46·8		9·4
9·4		26·6	50·5	C–	9·0
8·6		47·6	20·1	Ca	8·3
9·8	51	20·1	15·3		9·6
10·1	52	11·6	18·8		9·3
8·2		12·1	33·4	Ca	8·9
9·2		41·1	17·0	–	9·3
9·0	53	52·1	29·0	C≡	8·8
9·7	55	16·3	32·5		9·1
9·4		32·8	10·4		9·2
9·4		45·8	12·2	–	9·0
6·8	56	3·3	32·2	GCWal	6·4
8·5		44·8	16·6	Ca	8·5
	+1	21·3	+7·9		

8221—8280.

mag.	22h.–23h. m	s	—21° ′		
9·7	57	58·8	54·3		9·2
8·7	58	42·8	18·7	C≡	8·5
9·7		59·3	50·6		9·2
10·0	0	24·3	8·8	–	8·9
10·0	1	11·3	22·7		9·7
9·6		23·7	16·0	=	9·0
10·0		55·7	11·7		9·1
9·2	2	8·2	59·4		9·1
9·2		15·7	32·1		9·0
5·0		46·2	51·0	GSlπβ	4·4
9·7	3	1·7	38·8		9·1
8·2	4	12·2	41·7	Ca	8·3
9·7		19·2	30·2		9·1
9·2		56·2	40·9	Ca	9·0
8·1	5	51·7	47·4	C	9·0
8·6	6	2·2	14·5	≡	9·0
10·2	7	32·0	46·6		9·8
10·2		54·5	7·0		
9·4	8	41·6	11·4	–	9·2
9·4		42·4	17·1		9·4
9·4	9	10·8	58·6		9·4
9·6		21·8	3·4		9·5
10·2		46·3	13·2		10·
8·4		57·8	51·8	CWa	8·3
7·8	10	12·3	52·9	Wal	7·8
7·5		32·3	21·8	Cb=l	7·8
8·8	12	56·3	23·0	Ca	8·5
9·6	13	32·8	44·7		9·3
8·7		40·5	37·5	C–	9·0
9·6		50·5	32·6		9·4
8·9	14	43·0	31·9	Ca	8·5
9·6	15	3·0	28·9		9·3
9·4	16	26·0	53·8		9·3
9·3		47·5	13·2		9·3
8·4	17	53·0	43·2	C=	8·5
8·7	18	3·0	4·5	C≡	8·5
9·4		23·7	32·9	C	9·3
8·1	19	18·2	17·7	GC–tπ	8·2
6·4		28·2	19·4	GStπβ	5·5
8·6		55·7	52·7	Gb=tπ	8·7
9·0	20	27·2	54·4	a	8·9
8·4		36·2	26·2		8·9
8·7	21	55·7	9·3	Ca	8·9
9·3	22	47·2	1·8		9·4
9·5	23	14·9	0·3		9·5
8·0		21·4	15·8	Ca :	8·4
10·2		35·9	45·9		9·7
9·5		38·9	50·8	C	9·5
7·4	25	14·9	56·4	GWlπβ	7·8
9·8	26	3·4	23·0		9·6
9·0		21·4	52·1		9·1
4·8		43·9	36·3	GWlπβ	5·8
10·2	27	4·2	28·3		9·8
9·4	28	2·2	47·6		9·2
9·6		14·3	16·8		9·4
10·2		20·8	44·8		9·4
10·0	29	0·1	22·9		10·
10·2		25·3	58·4		9·7
10·2		33·7	56·4		9·6
9·6		51·0	21·4		9·7
	+1	19·4	+8·2		

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8281—8291.

mag.	23h. m	s	—21° ′		
9·6	30	44·2	10·9		9·6
9·3		45·0	37·3		9·7
8·8	31	7·0	11·9	Ca	9·0
7·7	32	10·5	33·5	GCatπ	7·8
9·2		56·0	42·4		9·1
9·0		57·0	15·1	C–	9·3
8·6	34	48·4	9·4	Ca	8·7
8·6	36	48·4	47·0	Ca	8·0
9·0	38	54·1	57·9	–	9·0
9·2	39	24·1	58·6		9·1
9·6	40	57·4	30·2		9·5
25pr.	+ 1	18·4	+ 8·3		

8292—8302.

mag.	23h. m	s	—21° ′		
9·6	41	12·4	31·9		9·8
9·6	42	11·4	49·5		9·5
8·6		38·9	43·0	Cb	8·5
9·3		50·4	35·1		9·1
8·8		58·3	8·2	C=	8·5
9·2	43	21·8	11·8		8·9
7·8		46·8	34·6	Cal	8·3
8·8	45	4·8	28·6	Ca	8·6
9·4		24·1	55·6		9·4
9·3		57·8	56·0		9·1
7·8	47	11·5	12·8	Cal	7·2
	+ 1	17·8	+ 8·3		

8303—8313.

mag.	23h. m	s	—21° ′		
7·7	49	8·2	39·0	Cb–l	7·8
8·6		31·7	9·8	C–	8·6
7·2	50	44·2	31·7	GCb≡l	6·5
9·8	51	43·2	18·7		9·3
8·0		55·9	0·9	Ca	8·6
8·4	52	41·2	19·2	C=	8·4
9·0		58·7	38·5	C–	9·0
8·8	53	30·7	42·1	C	9·2
9·0		38·2	36·5	C–	9·0
8·6	54	31·2	7·1	a	8·8
8·2		44·2	24·0	Ca	8·3
	+ 1	17·2	+ 8·4		

8314—8323..

mag.	23h. m	s	—21° ′		
8·6	55	44·2	34·0	Ca	8·8
9·4	56	22·2	56·2		9·2
9·8		31·2	55·3		9·5
9·5	57	38·2	34·7		9·1
8·8		54·3	15·6	C	8·8
9·4	58	12·8	36·0		9·0
9·2		42·8	18·3	C	8·8
9·2		48·3	24·5		9·2
9·0		52·8	24·3		9·3
9·8	59	33·8	20·3		9·2
	+ 1	16·9	+ 8·4		

ZONE — 22°.

1—30.

mag.	0h. m	s	—22° ′		
8·4	0	7·8	11·8	Ca	8·5
8·1		37·8	31·4	a	8·4
9·4		49·8	43·2		9·4
8·2	1	56·1	32·0	a	8·2
7·9	2	2·1	6·3	C–	8·2
7·6		31·6	52·5	7·5GSal	7·2
9·0		51·6	45·2	9·5	9·1
8·0	3	12·6	4·7	Ca	8·3
9·2		20·1	35·7		9·0
8·6		24·1	46·9	9·0 a	9·0
8·4	4	13·1	50·0	8·5GWa	8·5
7·8		24·1	37·7	7·5 Gbl	7·5
9·5	6	1·7	15·9		9·3
8·0		7·2	45·5	9·0 a	8·5
8·6		32·2	57·7	8·5 Ga	8·5
9·4		42·2	20·5		9·6
9·5	7	43·9	23·4		9·4
8·2		59·2	16·1	Ca	9·0
9·4	9	3·2	53·1		9·5
8·6	10	16·5	17·7	Cb	9·0
8·6		16·5	14·7	Ca	8·9
9·8		37·5	55·9		9·2
9·8	11	2·0	37·6		10·
8·1		42·0	31·6	a	8·2
8·8	12	20·5	44·3	9·5	9·1
8·1	13	15·0	30·1	al	7·5
9·6		35·5	26·9		9·5
9·6		43·0	18·7		9·3
9·2	14	14·0	55·7		9·0
9·4	16	23·0	37·2		9·0
25pr.	+ 1	16·4	+ 8 4		

31—60.

mag.	0h. m	s	—22° ′		
9·8	16	48·0	13·9		9·5
9·8	18	52·0	57·9		9·4
9·4	19	19·5	43·7		9·1
7·0		25·0	19·4	GSbl	7·0
9·6		33·0	43·9		9·4
8·8		54·0	14·5	C	9·0
7·8		59·0	21·9	GSbl	7·5
9·8	21	43·9	40·7		9·5
9·4	22	27·4	34·2		9·2
8·4	23	53·4	9·2	Ca	8·5
8·0	24	55·5	2·5	Ca	8·0
8·6	26	32·9	47·0	a	8·6
8·1	27	1·8	32·5	–	8·3
9·8		14·0	27·2		9·5
9·0		16·3	48·9	9·5 G	9·1
9·8		21·0	27·1		9·3
10·0		21·6	2·6		9·3
8·7	28	35·6	34·2	a	8·8
9·2		44·5	8·4		9·1
8·6	29	9·8	25·9	C=	8·3
9·4		38·2	18·4		9·4
9·4		44·1	53·7		9·0
8·6		57·9	5·3	Ca	8·8
9·8		59·6	48·4		9·5
9·6	30	0·1	25·8		9·4
10·0		19·1	57·2		
10·0	31	44·6	16·9		9·7
9·4		51·1	5·9	Ca	9·0
8·7		57·9	57·1	9·0	8·6
10·0	32	2·1	51·2		9·5
	+ 1	15·2	+ 8·3		

61—90.

mag.	0h. m	s	—22° ′		
10·0	32	21·8	2·2		9·5
9·6	33	15·8	1·3		9·7
8·6		25·8	15·9	C=	8·5
10·0		26·3	46·0		9·8
9·6	35	48·3	35·9		9·5
9·8		52·8	43·5		
9·2		56·5	59·7	a	
9·8	36	25·8	19·5		9·4
9·4		37·8	20·5	Ca	8·0
9·6		46·8	38·0		9·0
10·0		54·3	34·9		9·8
8·2		54·3	23·4	Ca	8·3
9·8	37	35·8	13·2		9·4
8·3	38	4·8	45·5	9·0 Gal	8·0
10·0		21·8	41·4		
8·8		29·3	17·0	C	9·0
5·8		32·8	41·5	5·0GSlπ	5·5
8·2		42·5	5·4	C	8·7
10·0	39	32·0	10·7		9·7
9·8		49·7	58·2		
8·0	40	0·0	55·6	9·0 al	8·6
9·2		3·5	3·2		9·0
9·2		57·0	20·8		9·1
10·0	41	35·5	56·2		10·
5·0		50·5	24·2	GSal	6·2
9·6	42	41·0	25·3		9·3
8·1	43	7·5	4·8	Cb=l	8·2
10·0		24·2	58·6		
8·0		45·5	47·0	Ga	7·8
10·0	44	15·5	29·9		9·5
	+ 1	14·5	+ 8·2		

91—120.

mag.	0h. m	s	—22° ′		
9·8	44	17·0	59·8		
10·0		42·0	11·0		
9·2	45	9·5	8·2	–	9·1
9·8		41·1	57·8		
8·8		45·6	5·1		9·1
10·0	46	18·1	49·2		9·3
8·0		30·4	6·9	Cal	7·8
9·1		30·4	12·7		9·2
9·1		58·1	17·1		9·3
8·6	47	23·9	52·8	9·0 a	8·5
9·2	48	11·0	36·6		9·0
9·3		21·7	59·9		
8·6		30·2	9·1	Ca	8·5
9·4		37·4	54·8		9·1
9·3		42·2	24·0		9·3
9·4	49	1·1	20·0		9·2
9·6		3·2	5·5		9·4
9·6		7·9	42·8		9·3
8·2		10·4	36·5	a	8·0
9·4		38·2	26·9		9·4
9·2	51	49·2	5·7		9·2
9·6	53	41·7	25·9		9·5
9·0		48·7	53·2	a	9·0
9·6		58·7	33·5		9·5
9·6	54	2·7	52·3	9·5 G	9·0
9·6		5·2	5·3		9·5
9·6		12·2	10·1		9·5
9·4		51·2	40·4		9·5
9·0	55	23·2	7·4	C	9·1
8·1	56	3·5	16·9	Cal	8·0
	+ 1	13·9	+ 8·2		

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121—180.

mag.	0^{h}–1^{h} m	s	—22° ′		
7·8	56	19·0	16·9	Cal	8·0
9·3	57	19·0	58·0		9·1
9·6		38·5	6·7		9·5
9·2		58·5	54·4		9·5
9·4	58	2·5	46·9		9·1
9·6	59	34·5	25·4		9·6
7·9		45·0	14·2	Ca	8·2
8·6	0	14·5	20·5	Ca	9·0
8·8		24·5	44·1		9·1
9·0		40·0	41·3		9·2
7·6		49·0	57·3	Gal	8·0
9·6	1	36·8	29·2		9·5
8·8		57·5	50·6		9·3
8·6		59·5	17·0	Ca	8·7
9·0	2	19·0	11·4	a	9·1
9·3		26·0	48·1		9·5
9·4		53·0	12·3		9·3
9·0	3	3·0	40·7	a	9·0
9·4	4	42·0	5·0		9·3
8·8		57·5	39·6		9·0
9·1	5	46·5	33·9		8·8
9·3	7	43·7	36·3		8·8
9·6	8	11·5	36·3		9·5
8·1	9	12·0	57·6	8·0 Gal	7·3
8·2		19·2	23·3	C=	7·8
9·0	10	7·7	8·7	Ca	8·7
8·0		44·5	28·2	a	8·0
9·8	12	1·5	6·9		9·4
9·6		40·5	55·9		8·9
9·4	13	44·5	53·6		9·0
8·2		45·5	6·6	C=	8·6
9·2	15	4·0	47·3		9·0
9·3		44·0	4·0	Ca	8·8
9·4		58·0	35·6		9·0
8·3	16	3·5	11·3	Ca	8·0
9·8		31·9	26·5		9·4
7·7		43·0	4·8	Cal	7·9
8·2	18	11·0	35·7	a	8·6
8·3		13·5	24·2	C=	8·5
9·8		21·0	48·6		9·4
9·3		53·0	40·1		9·0
7·0	21	23·5	59·1	6·5 GSal	6·3
9·8		52·7	47·0		9·3
7·0		59·7	41·2	GSbl	7·0
8·6	22	3·7	59·1	8·5 a	8·5
8·6		6·7	12·4	Ca	8·5
5·0	23	36·2	16·6	GSlπβ	5·0
9·0	24	54·2	57·0		9·0
9·4	25	11·2	9·1	a	9·2
9·0	27	9·7	21·8		9·2
8·8		9·2	28·1	a	9·0
9·4		22·2	58·0		9·3
9·2	30	17·0	16·1	—	9·1
9·2		47·0	5·4		8·9
9·6	31	12·5	4·8		9·5
9·6	34	3·5	6·3		9·5
7·4	35	13·0	21·1	GCtπ	7·8
8·2		29·0	46·1	a	8·5
8·4	36	48·5	16·6	—	8·8
7·6	37	18·0	14·9	Cal	8·0
25pr.	+1	12·4	+7·9		

181—240.

mag.	1^{h}–2^{h} m	s	—22° ′		
9·2	37	32·5	54·8		9·1
9·6	38	19·5	30·2		9·4
8·0	39	30·5	36·8	al	8·0
9·4		47·0	47·9	9·5 a	8·8
8·2	42	10·5	50·9	8·5 Gb	8·6
7·8		32·5	50·6	8·0 Gbl	8·0
8·4	43	17·0	57·7	9·0 b	8·5
9·6	44	29·5	47·9		9·5
9·6	45	13·0	47·4		9·5
7·8		46·0	47·2	8·2 a	8·1
9·6	46	6·0	38·6		9·3
8·9	48	12·8	8·6	C	9·1
8·4	49	35·0	39·6	—	8·6
7·7	50	4·0	26·2	Ca	8·3
9·8	51	49·5	15·5		9·0
7·6		56·0	30·6	a	8·0
8·4	52	58·5	48·2	9·2 Ga	9·0
8·7	53	1·5	47·5	9·2	9·1
9·2		12·0	51·2	9·5	9·2
8·6		12·0	52·7	8·0 Ga	8·5
7·6	54	39·0	40·8	8·5 a	8·2
8·9	56	0·0	53·4		9·0
8·8		11·0	20·0	C	8·4
6·0		45·5	34·1	GSal	7·0
9·2	57	2·6	41·6		9·0
7·7		12·1	30·8	Wal	7·8
8·9	58	2·1	35·9	9·5 G	9·1
8·4		3·1	29·0	a	8·4
8·4		22·1	37·7	8·5 Ga	8·5
10·0	59	10·1	13·1		9·5
8·2	0	9·6	21·2	Ca	8·2
7·9		10·6	45·0	8·0 Ga	8·0
9·8		17·6	5·2		9·2
10·0		20·1	54·8		
10·0	1	43·6	17·1		9·5
9·2		44·6	38·9	9·0 Ga	8·8
9·6		46·1	52·6		9·1
9·0	3	22·1	35·7		9·3
9·2		41·1	51·7		9·2
9·4	5	48·7	0·5	C	8·7
8·8	6	16·4	8·8	C–	8·5
9·8	7	47·8	35·7	a	9·0
9·8		53·4	56·8		9·4
9·8	10	55·9	48·9		9·3
8·2	11	16·4	25·6		8·3
8·6		51·9	44·0	9·0 a	8·5
9·8	12	56·4	25·2		9·3
9·6	13	2·1	29·2		9·0
9·4		41·4	12·8		9·2
9·2	14	37·9	16·2		9·1
8·0		39·9	41·6	8·0 GSb	8·1
9·8	16	12·4	5·0		9·4
9·0		26·4	16·9		9·2
8·3		30·9	26·5	a	8·0
8·6	17	53·9	22·5	a	8·9
9·4		55·9	17·1		9·3
9·2	18	6·4	10·5		9·1
9·0		21·4	1·5		8·9
9·6		56·4	18·1		9·1
9·2	19	22·4	6·0		9·0
	+1	9·9	+7·2		

241—300.

mag.	2^{h} m	s	—22° ′		
9·4	19	31·4	33·2		9·1
7·2		39·9	22·4	GSal	7·8
9·4		43·4	23·4		9·5
9·8	20	35·9	12·5		9·5
9·0		39·4	35·1		9·1
9·8	21	6·4	46·4		9·3
9·4	22	28·9	48·2		9·4
9·2		42·4	19·6		9·2
8·4	23	16·9	8·0	C–	8·4
8·6		43·4	51·9	9·0 G	9·0
9·8	24	53·4	39·0		9·5
9·4		56·4	26·3		9·4
9·4		58·9	34·5		9·4
8·6	25	53·9	37·7	a	9·0
9·0	26	20·9	48·9		9·1
9·0		30·4	19·9		9·1
9·6		31·9	29·3		9·4
9·3		33·5	3·2	C	8·8
9·6	27	50·2	13·8		9·2
10·0	28	6·8	20·0		9·5
10·0		15·1	32·7		9·8
10·0		31·7	55·6		9·7
7·5		53·6	28·6	GSbl	6·8
9·1	31	33·6	38·4		9·1
9·9		48·6	59·2		9·0
8·4	32	21·1	40·4	8·5 G–	8·5
9·4	33	28·6	12·6		9·2
9·6		57·1	33·7		9·3
9·9	34	20·6	26·2		9·7
7·9		55·6	6·6	Ca	8·0
8·6	35	15·1	27·4	a	8·5
9·9		55·6	32·1		9·5
9·6	36	35·6	5·3		9·2
9·2		50·1	20·9		9·0
9·6	38	35·6	33·8		9·5
10·0		45·6	37·3		9·4
6·8	39	22·1	41·4	7·0 GSal	7·2
6·9	40	45·1	11·3	GCal	7·3
10·0		49·1	46·2		9·5
6·5	41	4·1	9·9	GCal	6·6
9·8		26·6	13·4	a	9·1
9·9	42	32·6	11·0		9·7
9·9	43	41·6	10·6	—	9·1
8·4	44	3·1	14·3	C	8·3
9·2		31·1	41·1	9·5 G	8·9
9·0	45	1·1	4·1		9·0
9·3		11·1	41·2		9·1
8·2		41·6	9·7		8·6
8·8	46	1·6	42·0		9·1
9·3		2·9	1·2		9·1
9·0		11·6	19·8		9·2
8·8		12·6	43·9		9·0
9·4		58·0	54·3		9·4
9·6	47	21·2	13·2		9·3
7·1		40·8	36·1	6·5 GSal	7·2
6·8		57·7	53·2	6·0 GSal	6·3
10·0	48	6·6	52·6		9·4
9·4		10·6	11·0		9·3
8·8	49	29·9	43·2		9·4
9·8		31·4	24·2		9·7
	+1	8·1	+6·5		

301—360.

mag.	2^{h}–3^{h} m	s	—22° ′		
9·4	49	31·9	18·9		9·6
9·2	50	19·9	7·3		9·2
8·1	51	0·9	49·1	—	8·5
8·4		38·4	37·8	a	9·1
8·5	52	9·4	43·8	a	8·7
9·5	53	24·7	1·8		9·3
9·6	56	1·9	5·4		9·4
9·2		10·4	36·3		8·9
7·9		36·4	14·7	C	8·1
9·8		44·9	51·7		9·2
7·3	57	17·9	20·2	Cbl	7·7
8·2		32·4	53·4	a	8·8
9·6	58	1·6	4·7		9·4
9·0		20·1	22·6		9·0
9·2		55·1	53·3		9·4
9·4	59	13·6	7·9		9·2
8·5		51·1	39·2	—	9·0
9·8	0	6·1	18·1		9·9
9·4		22·6	20·5		9·5
9·5		27·1	17·9	a	9·4
9·6	1	46·1	31·9		9·1
9·8	2	7·1	43·6		9·5
8·9		10·6	56·1	8·5 a	9·1
9·4		23·1	26·5		9·5
8·8	3	5·1	11·1	a	9·2
9·8		21·6	7·0	a	9·4
8·5		32·6	18·9	Ca	8·8
8·1	4	42·6	10·2	Ca	8·5
8·4		53·1	13·3	Ca	8·7
9·0	5	19·1	28·7	b	9·1
9·2		26·9	21·3		9·4
9·0		34·4	21·5	a	9·3
9·6		38·4	35·5		
9·4	6	32·9	18·6		9·5
8·6	7	55·3	25·9	a	8·7
8·4	8	31·0	37·7	a	8·7
9·4		39·3	16·6		9·5
8·4	9	13·3	12·9	Ca	8·7
8·5		47·5	56·9	9·0	9·0
9·2		58·6	38·9	a	9·2
9·6	10	4·1	40·4		9·5
9·6		23·5	43·3		
10·0		58·0	15·0		9·6
8·5	11	13·0	39·8	a	9·0
8·1		14·5	31·9	al	8·3
8·8	12	25·0	56·4	al	9·0
9·4		36·5	55·2		9·3
8·5		43·5	23·2	a	9·1
5·9		50·8	58·1	5·0 GSπβ	5·5
10·0	13	28·5	54·2		
8·8		49·6	49·8	a	9·1
5·7		57·1	12·8	GSlπβ	4·0
9·8	14	0·6	22·5		9·5
10·0		6·1	52·2		9·3
9·6		36·1	39·9		9·4
10·0	15	32·1	7·0		
8·8		35·6	0·5	a	9·0
9·2	16	22·1	3·1		9·1
10·0		26·0	55·7		
8·8		29·1	32·9	a	8·5
	+1	6·8	+5·8		

361—420.

mag.	3h. m	s	—22° ′		
9.6	17	10.1	14.5		9.3
9.4		54.3	10.2		9.2
10.0	18	13.6	42.0		9.5
8.4		50.8	6.5	Ca	8.4
10.0		55.6	58.4		9.5
10.0	19	30.8	26.6		9.5
9.2		55.3	25.2		9.0
8.2	20	24.8	30.3	a	8.5
9.0		36.8	36.1	b	8.9
8.5	21	13.8	6.4	a	8.7
9.6		26.0	31.0		9.4
9.8		33.5	46.8		9.3
10.0		33.5	21.1		9.6
10.0	24	10.5	19.6		9.5
7.2		19.5	56.2	7.0 GSal	7.0
9.6	25	12.3	45.0	a	9.0
9.2		22.3	53.5	a	9.2
10.0	27	1.3	18.1		9.5
9.6		6.3	19.8		9.4
9.2	28	14.9	20.9		8.8
3.6		16.2	3.2	GSlπβ	3.8
9.6		45.8	27.3		8.8
9.2	29	8.1	33.8	a	8.5
9.2	30	0.1	16.7		8.9
9.7		45.1	43.1		9.2
8.1	31	21.6	53.9	8.5 Gal	8.0
8.4		38.1	12.2	Ca	8.7
8.6	32	25.6	30.4	W–	8.5
8.6		48.1	40.5	al	8.3
9.7	33	35.1	8.5		9.4
8.1		47.1	43.7	al	8.0
9.6		56.1	22.4		9.5
10.0	34	1.4	33.2		9.4
7.6		32.4	34.5	al	8.3
8.6		53.9	55.5	8.5 Ga	8.6
8.6	35	7.9	21.2		9.0
9.2		48.9	32.2	a	8.8
8.6	36	43.4	50.7	a	9.0
8.0	37	9.4	22.7	Cb–l	8.3
8.5		49.9	40.7	a	8.5
10.0		56.4	34.4		9.5
8.1	38	26.4	19.9	CWal	8.6
8.4		37.9	25.6	al	8.7
9.0		51.1	57.7	Ga	9.0
8.4	39	44.4	22.1	a	9.2
8.8		59.9	44.1	a	9.0
8.4	40	0.9	30.3	al	8.2
9.2		30.5	30.6		9.4
8.5		55.0	21.6	a	9.0
8.6	41	47.5	23.9		9.0
8.6	42	53.5	34.7	–	8.7
9.4		53.5	47.5		9.4
8.6		54.0	38.2	–	9.1
9.7	43	2.0	43.2		9.5
9.8		16.0	44.3		9.4
8.4	44	32.0	20.0	a	8.7
9.2	45	9.5	58.9	a	9.4
8.1	46	21.0	49.7	a	8.8
9.7		32.5	18.2		9.5
8.6		33.5	35.3	a	9.0
25pr.	+1	5.7	+5.0		

421—480.

mag.	3h.–4h. m	s	—22° ′		
8.5	47	16.5	15.7		8.7
7.0		23.2	39.1	GSal	7.0
9.7		45.5	46.9		9.4
9.4		56.2	18.7		9.4
10.0	48	36.0	29.6		9.5
8.0		42.5	45.0	al	8.5
9.0		45.0	43.9	a	9.2
8.3	49	0.5	12.4	a	8.8
9.1		6.5	6.0		9.3
9.3		9.5	6.4		9.4
10.0		39.0	45.9		9.5
9.0		39.5	10.2	a	9.0
8.6	50	10.0	12.1	a	9.1
9.0		17.5	14.4	a	9.1
8.4		18.0	58.5	9.0	8.6
9.6		44.0	46.0		9.4
9.6	51	44.1	8.0		9.6
9.1	52	24.6	50.2	9.0 a	8.8
9.6	53	29.6	25.0		9.3
6.7	55	47.1	37.7	WKb–l	7.0
9.4	56	16.2	26.8		9.0
8.7		42.7	0.0		8.8
9.3		57.2	22.9		9.3
9.1	57	19.7	19.4	–	8.8
10.0		21.7	14.9		
7.2		23.2	56.3	7.0 Gbl	7.0
9.8	58	0.7	31.3		9.3
9.9		14.9	2.8		9.3
10.0		20.2	6.8		9.8
8.6		20.7	0.8	Cb–l	8.3
8.4	59	49.7	27.1	–	8.3
9.8	0	11.7	53.4		9.4
9.1		38.2	28.1		8.8
9.0		53.7	52.5		9.0
8.6		55.7	11.3	a	9.0
9.6	1	4.7	45.8		9.1
8.0		17.2	0.4	Ca	8.5
6.8		32.7	19.7	Cal	6.3
8.6		39.2	43.6		9.0
10.0		41.2	27.7		9.6
8.4	3	0.7	13.7	a	9.0
9.3		13.7	15.9		9.4
9.8		25.7	28.6		9.5
8.3		29.2	10.1	a	8.7
10.0		55.7	31.5		9.5
10.0	4	6.4	21.6		9.5
9.0		31.2	37.0		9.0
9.8	5	44.7	26.3		9.5
9.6	6	29.8	26.0		9.0
9.4	7	20.1	8.0		9.3
9.0		27.6	0.4		9.2
10.2		52.0	55.8		9.5
9.0		55.0	26.8		9.2
9.4	8	8.0	18.5		9.4
8.8		11.2	2.3	a	9.0
8.2		27.7	49.1	9.0 G	8.8
10.2		31.0	46.6		9.5
9.7		33.0	21.0		9.4
10.2		35.5	53.8		
9.1	9	1.0	16.6	a	9.0
	+1	4.8	+4.2		

481—540.

mag.	4h. m	s	—22° ′		
9.4	9	10.8	16.1	a	9.3
8.7		43.8	18.0	a	8.8
9.4		54.8	32.3		9.3
9.0	10	12.8	26.6		9.1
8.4		15.8	48.9	a	8.8
10.0		18.3	14.7		9.7
6.7		28.3	27.7	GWal	6.8
9.4		35.8	26.3		9.5
9.6		41.8	37.4		10.
8.8		41.8	46.5		9.2
8.6		47.8	52.5	8.5 Ga	8.8
10.2		52.8	8.0		9.5
9.9		55.8	29.4		10.
8.4	11	44.8	37.7	a	8.5
10.2	12	0.7	1.9		10.
9.2		1.8	29.8		9.4
10.2		12.8	3.3		9.7
9.5		18.8	18.9		9.4
8.4		26.3	50.9	9.0 a	8.9
8.6		32.8	40.3	a	8.9
9.7		36.8	16.6		
10.2		50.8	52.4		
9.7	13	6.3	18.7		9.4
9.5		39.8	21.9		9.3
9.2	14	2.8	49.0	a	9.3
9.5		34.3	11.7		9.3
8.8		34.6	59.2	7.5 Ga	9.0
8.8		38.8	10.1		9.2
7.5	16	22.8	4.0	Ca	7.2
10.0		24.3	31.1		9.8
10.2		29.8	45.2		
10.2		32.3	52.8		
10.2		37.8	52.8		
8.8		39.8	45.0		9.1
9.9		42.8	58.9		9.3
10.2		43.8	23.4		
10.2	17	21.8	38.9		
10.2		33.8	34.0		9.6
8.6		43.8	24.7	bl	8.0
9.6	18	5.8	58.2		
9.5		19.8	21.1		9.4
9.0		23.2	31.2		9.2
8.8		28.7	41.5		9.0
10.2		53.7	26.3		9.5
10.2	19	0.2	3.5		
9.0		2.0	1.7	a	8.9
7.6		18.2	9.6	Cal	8.2
10.2		38.7	12.9		
10.2		57.7	49.3		
10.2	20	13.2	38.2		9.8
10.0		32.7	13.9		9.8
8.5		36.0	57.2	9.0 Ga	8.7
9.0		54.2	22.5		9.3
8.7		54.2	6.7		9.0
9.0	21	15.2	55.8	a	9.1
9.7	22	16.7	53.2		9.7
9.0		32.7	35.9		9.4
10.2		32.7	59.2		
9.0		47.5	59.6	9.0 a	9.0
9.9		52.7	26.9		9.5
	+1	4.4	+3.7		

541—600.

mag.	4h. m	s	—22° ′		
9.2	22	52.7	3.9		9.3
10.2	23	20.7	7.9		10.
9.4		49.7	51.6		9.3
10.2		51.7	21.8		
8.8		53.7	48.3		9.2
7.9		57.7	47.1	a	8.5
9.4	24	4.2	39.3		9.2
10.2		27.2	21.7		
9.2		36.7	25.7		9.1
9.8	25	13.7	7.9		10.
9.7		16.2	55.0		9.4
9.5		31.1	3.0		9.6
9.5		45.7	43.1		9.7
9.2	26	37.2	54.9		9.2
9.8		43.7	1.3		9.7
9.8	27	20.7	17.3		
9.7		28.7	37.4		9.5
10.0		29.2	51.4		9.5
10.2		34.7	12.6		9.8
9.2		45.3	6.2		9.4
9.9		48.9	58.9		
10.0		59.2	52.9		
10.2	28	14.2	7.6		9.7
10.2		32.9	2.5		
9.2	29	12.5	22.0	a	9.0
9.6		27.8	10.9		9.4
10.0		42.1	57.0		9.5
10.1		55.3	44.1		9.5
8.7	30	24.3	23.0	a	9.0
8.0	31	1.8	30.7	b	8.0
7.4		20.3	32.1	a	8.2
8.0		30.8	33.6	a	8.6
10.3		32.8	7.6		9.7
7.0		54.3	52.2	Gbl	7.0
10.0	32	20.5	2.0		9.7
9.4		32.3	38.4		9.3
10.2		58.3	23.5		
10.2	33	2.7	9.0		9.8
8.7		38.3	24.0	a	9.0
9.8		38.8	50.1		9.5
10.3	34	1.7	50.8		9.5
10.2		16.3	54.4		9.5
10.3		16.7	16.1		9.8
10.3		26.8	36.9		
7.7		45.3	51.6	Gal	8.0
9.4	35	32.3	32.0		9.1
8.9		42.8	37.6		8.9
10.2	36	5.3	37.3		9.3
10.3		21.3	0.7		9.6
10.0		30.3	40.9		9.5
10.1		32.0	0.6		9.6
8.9		42.6	50.4		8.8
10.1		43.1	45.5		
10.2	37	13.1	29.8		9.9
8.8		21.6	5.0	a	9.0
10.3		26.6	33.1		10.
9.4		32.6	10.5		9.3
9.4		33.1	14.7		9.8
10.3		36.6	3.9		
8.7		38.1	27.8	a	8.5
	+1	4.0	+3.2		

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601—660.

mag.	4^h m	s	−22° ′		
10·1	37	38·1	58·4		
7·8		44·6	33·5	a	8·2
10·3	38	7·1	6·3		
9·7		7·6	5·6		9·3
9·4		11·1	39·2		9·2
10·2		15·6	36·9		9·8
9·7		46·1	29·9	a	9·1
9·7		57·1	46·4		9·5
10·3	39	0·1	18·1		
9·2		21·6	38·8	a	9·3
9·4		32·1	54·6		9·2
8·8		42·6	20·2		8·9
9·4		55·1	43·6	a	9·2
9·7	40	11·8	41·0		9·5
10·1		13·1	16·3		9·5
9·4		24·3	40·1		9·3
10·2	41	20·3	31·4	}	9·0
10·2		20·8	31·0	}	
9·2		44·3	50·5	a	9·1
9·4		52·8	25·6		9·2
8·7	42	4·8	46·9	a	8·3
10·1	43	42·6	37·4		9·4
8·0		50·3	6·6	Ca	7·9
10·1		51·8	11·0		9·8
8·0		58·6	56·9	9·0 Ga }	8·4
10·0		59·3	56·6	G }	
10·2	44	10·3	40·4		9·6
10·3		19·8	28·1		
9·2		22·0	28·5		9·2
10·0		35·0	27·5		9·8
8·9		39·0	27·7	a	8·9
9·8		39·0	48·2		9·5
10·3	45	41·5	47·5		9·5
10·0	46	14·3	22·7		9·3
8·4		14·5	31·9		8·3
9·2	47	6·0	20·1		9·0
9·8		20·7	29·9		9·4
9·2		24·2	40·1		9·3
8·6		43·5	6·1		8·8
9·0		56·2	54·1		9·1
10·3		58·0	4·0		9·8
9·6	48	2·7	22·7		9·5
9·2		15·0	23·5		9·4
9·9		35·6	58·0		
9·4		36·7	23·0		9·2
9·8		39·9	44·6		9·3
10·0		56·0	4·5		9·4
8·9	49	23·9	18·4		8·8
9·7		53·4	31·5		9·3
9·2		53·4	1·2		9·0
9·0	50	32·4	18·1		9·0
10·0		34·4	6·9		9·5
8·9		46·4	5·7		9·2
10·0		47·9	11·3		9·7
9·9	51	32·4	5·6		9·7
8·7		38·6	14·1		8·2
10·0		44·1	6·6		
8·2	52	2·1	40·4		8·5
9·4		12·1	35·2		9·2
9·8		30·1	20·7		9·6
25pr.	+1	3·7	+2·7		
				Ca	

661—720.

mag.	4^h.–5^h. m	s	−22° ′		
8·8	52	44·4	59·9	9·0 Ga	8·2
7·5		44·6	12·8	Cal	7·1
9·5	53	11·1	37·1		9·5
9·4		39·6	21·5	}a	9·2
8·8		41·6	50·2	a	9·0
9·9	54	0·6	21·0		
8·8		16·1	3·2		8·8
8·1		19·6	35·1	al	7·8
9·7		33·1	37·1		9·4
9·2	55	9·1	26·7	a	9·0
8·9		38·6	47·1		9·0
10·0		50·6	50·1		9·7
8·6		51·1	55·2	Ga	9·0
9·2	56	8·1	34·0	a	9·0
10·0		14·1	57·7		
9·0		26·1	12·5		9·0
9·7		28·1	29·8		9·8
10·0		32·1	45·0		9·5
9·0		48·6	15·8		8·8
10·0		51·6	53·7		9·8
9·5	57	10·1	8·2		9·1
9·4		16·1	57·3	9·5	9·3
6·8		27·6	58·6	6·0GSπβ	6·0
9·8		45·1	7·1		9·5
9·0		48·6	15·3	b	9·2
9·9		58·1	18·1		9·4
9·0	58	3·1	30·9	a	9·1
9·0		6·1	42·1		9·3
10·0		16·6	16·8		9·5
10·0		43·1	7·1		9·7
9·0		47·1	23·5	b	9·3
10·0	59	5·1	3·2		
10·0		30·6	1·8		9·5
8·8		43·1	25·6		9·0
9·5		51·1	51·2		9·5
9·8	0	3·1	46·0		9·7
10·0		6·1	42·1		9·6
5·8		10·6	32·5	GSlπβ	3·7
10·0		14·5	48·3		
9·7		17·6	5·3		9·6
8·2		19·6	41·1	bl	8·7
8·9		25·1	50·2		9·1
9·4		38·1	16·5		9·4
9·5		38·6	19·3		9·3
9·4		48·3	20·9		9·2
8·9		52·3	53·1		8·8
9·5	1	7·3	10·1		9·9
10·0		9·8	8·3		10·
9·9		29·2	55·2		
8·6	2	1·7	48·7	a	8·5
10·0		6·2	5·0		10·
9·7		13·2	45·6		9·4
10·0		22·2	37·9		9·7
8·4		23·7	47·4	a	9·0
9·8		27·2	55·1		9·9
8·6		51·7	30·5		8·4
9·4		58·7	48·5		9·3
9·5	3	26·7	38·8		9·4
10·0		32·2	3·5		9·7
7·8		35·2	47·8	al	8·0
	+1	3·4	+2·2		

721—780.

mag.	5^h. m	s	−22° ′		
8·8	3	55·7	59·5	9·5	9·1
9·6		55·7	6·9		9·6
9·4		57·7	25·2		9·4
9·6	4	1·7	20·3		10·
9·7		9·7	18·1		9·4
9·5		23·2	17·7		9·3
7·4		26·2	39·2	bl	7·6
8·4		33·2	27·9		8·8
8·3		39·9	58·7		8·8
9·9		41·7	3·3	a	9·1
10·0	5	0·2	41·7		9·8
9·7		17·2	48·1		9·2
10·0		22·0	28·6		
8·3		39·7	11·4	a	8·8
9·9		42·2	39·5		9·3
9·0		45·2	26·3		9·3
10·0		49·7	27·2		
8·2	6	5·7	19·5	Ca	8·5
10·0		13·7	18·0		
9·6		43·7	34·8		9·5
9·9		55·7	1·1		9·6
9·3	7	11·7	22·7	a	9·3
10·0		21·7	1·0		
8·0		31·6	39·5	a	8·0
9·5		43·7	7·8		9·7
9·9		45·7	50·1		
8·4	8	10·3	10·5		8·6
10·0		11·8	35·6		9·8
8·9		22·7	28·2		9·3
9·0		28·7	45·5	a	9·2
9·4		28·8	49·3		9·5
10·0		35·3	1·1		10·
10·0		37·8	34·3		
9·8		40·5	53·4		9·5
9·9		40·8	7·3		9·5
10·0		46·8	34·0		
8·9	9	2·5	41·7	a	9·0
9·7		13·0	19·0		
9·6		15·3	39·9	a	9·3
10·0		18·8	22·2		9·9
9·4		24·4	33·9		
9·6		39·8	1·5		9·5
10·0		51·8	19·1		9·8
9·4	10	3·5	20·0		9·5
8·9		26·5	10·8		9·0
10·0		37·7	3·5		10·
8·0	11	33·6	24·5	Cbl	8·0
9·6		54·1	13·4		9·4
8·6	12	39·1	55·2	a	9·0
9·6		41·6	27·0		9·4
9·1	13	29·1	20·7	a	8·7
8·6		34·6	33·5	a	8·4
8·1		42·6	6·9	Cbl	8·2
9·1	14	15·3	49·3		9·0
9·0		19·8	22·7		8·8
7·9		31·8	40·3	a	8·0
10·0		46·8	41·5	a	9·2
9·4	15	7·8	24·0		9·1
8·3		13·3	24·9	a	8·6
8·8		18·3	32·7	a	8·6
	+1	3·3	+1·9		

781—840.

mag.	5^h. m	s	−22° ′		
9·8	15	43·3	49·6	a	9·1
9·6	16	36·3	29·4		9·4
8·3		49·3	33·2		8·5
10·0	17	26·4	1·2		9·4
9·2		37·3	54·9		9·0
10·0		55·9	28·9		9·3
9·4		57·8	22·9		9·3
8·6	18	3·8	22·9		9·0
9·0		7·8	8·7		9·2
7·2		21·6	25·4	Gbl	7·3
9·8		49·1	32·6		9·1
9·4	19	21·6	32·8		9·1
8·6		28·6	29·4		8·8
9·4	20	5·6	37·4		9·0
8·6		42·6	51·0	al	8·3
8·4	21	20·6	35·9		8·7
9·1		26·1	41·8	a	8·8
10·0		28·6	24·7		9·2
9·6		51·6	23·9		9·3
8·8	22	26·1	30·4		9·0
10·0		42·6	25·9		9·4
7·4	23	6·1	32·5		6·6
8·8		15·1	58·6		9·1
9·4		44·6	43·2		9·4
9·6	24	1·6	4·9	a	8·9
8·2		24·1	49·0	Gal	8·0
9·4		39·6	17·6	a	8·9
9·4	25	12·1	45·2		9·3
9·1		17·6	54·7	a	8·8
10·0		56·1	19·2		9·4
9·6	26	17·1	22·9		9·5
10·0		25·5	58·4		9·4
8·6		48·1	19·0	Cal	8·6
10·0		55·6	38·8		9·5
10·0	27	21·7	41·7		
9·3		22·4	19·7		9·5
9·6		45·7	4·7		10·
9·1		57·6	1·3		9·4
10·2	28	18·2	15·5		9·8
9·6		20·2	55·3		9·8
8·9		28·9	53·7	a	9·1
10·1		31·2	34·3		
10·1		32·7	44·5		9·8
8·6		38·9	49·3	a	8·7
9·7		52·2	41·1		9·8
9·2		53·2	13·4		9·3
9·8		57·7	40·5		9·5
9·8	29	26·2	29·6		9·8
10·3		28·2	0·9		
9·3		30·2	42·2	a	9·3
10·3		37·2	12·9		9·7
9·1		38·2	46·5	a	9·5
9·7		45·8	2·5		9·6
9·8	30	11·2	11·8		9·7
9·8		39·2	35·5		9·8
10·0		41·7	20·5		9·8
10·3	31	3·2	39·7		10·
9·2		6·2	29·7		9·5
9·0		49·9	57·3		9·0
8·8		55·2	54·7		8·5
	+1	3·1	+1·2		

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841—900.

mag.	5h m	s	—22° ′		
9·0	32	17·2	49·7		8·5
9·6		23·7	25·1		9·3
10·0		30·7	4·9		9·4
10·0		45·2	7·3		9·5
9·4	33	1·2	47·9		9·5
9·6		21·2	23·1		9·5
9·2		21·4	59·2		9·3
10·4		27·2	3·9		9·5
9·4		35·2	47·9		9·8
9·2		35·2	22·7		9·3
10·4		51·2	43·1		9·5
9·7	34	11·7	54·1		9·4
9·7		27·2	5·9		9·7
9·2		31·2	53·9	a	9·0
9·1		55·2	46·2		9·2
7·8	35	10·7	42·9	bl	8·0
8·0		14·7	13·4	C	8·2
10·3		23·2	45·3		
10·3		24·7	43·0		
10·3		30·2	13·9		9·8
8·8		42·7	40·2		9·1
10·2		54·2	52·5		
10·0	36	24·2	51·2		9·5
9·6		49·2	50·7		9·2
6·1		58·7	26·1	GSπμβ	6·5
9·1	37	5·2	33·0		9·0
10·0		13·2	25·8		
9·7		13·7	24·7		
10·1		15·4	57·1		9·8
9·6		21·2	42·5		9·5
8·5		37·2	27·5		9·0
10·1		50·0	18·6		
10·0	38	15·7	50·3		
9·8		18·2	22·3		9·5
8·7		27·2	50·2	Ga	8·0
9·4		34·2	44·3		9·4
10·1		43·2	52·9		
8·9		48·7	51·8	a	8·7
8·9		52·2	34·5		9·0
10·3		58·2	0·4		9·5
9·0	39	1·7	0·7		9·3
10·2		8·2	43·3		9·8
10·1		12·2	26·7		
10·3		12·7	8·5		
7·8		13·7	27·8	Slμβ	6·9
4·4		15·2	29·6	GSπμβ	4·0
9·6		26·7	52·5		9·4
9·6		28·7	18·5		9·5
10·3		31·2	15·1		9·7
8·9		33·2	54·0		9·0
10·2		33·2	21·4		
7·9		35·2	33·5	G	8·0
9·4		36·7	52·8		9·3
10·0		37·2	28·7		
9·0		52·7	18·9		9·0
9·7	40	1·2	30·5		9·5
10·2		5·2	23·6		
9·1		11·2	14·9		9·3
9·1		12·2	55·7		9·2
9·8		17·2	12·9	a	9·4
25pr.	+1	3·0	+0·8		

901—960.

mag.	5h. m	s	—22° ′		
9·6	40	23·0	56·6		
10·0		33·2	34·5		
9·8		35·7	40·5		10·
10·2		38·9	58·7		
10·4		52·7	43·7		9·8
9·3	41	17·7	9·7		9·5
9·4		24·2	53·9		9·1
8·9		25·2	40·0		9·1
9·0		26·2	46·8		9·0
10·0		26·2	11·3		
10·0		27·4	1·8		
8·9		31·7	52·7		9·0
10·4		32·2	41·9		
10·3		32·2	17·9		
10·3		32·2	39·8		
10·3		35·2	12·7		
9·8		43·2	5·0		9·8
10·4		45·2	48·5		
10·4		47·7	53·9		
9·7	42	3·7	55·5		9·5
9·1		41·3	44·8		8·8
9·8		46·8	13·1		9·8
8·5	43	4·8	5·8	C	8·0
8·5		10·8	32·2		8·8
10·1		24·3	27·0		9·5
10·4		24·8	43·3		9·8
8·6		44·8	5·8	C	8·2
9·7		50·8	19·0		9·0
10·3		59·8	19·5		
10·4	44	1·3	50·7		
9·8		8·8	13·1		
10·4		11·3	38·2		
10·1		14·8	29·3		
9·0		20·8	15·9		9·1
9·0		21·8	12·3		9·1
10·3		27·8	29·8		
9·8		42·3	40·5		
10·0		57·8	4·8		
10·4		58·8	54·0		
9·0		59·3	45·5		9·4
8·5	45	14·8	36·3		8·7
10·4		42·8	32·3		
9·0		44·8	14·8		9·1
10·3		48·3	9·8		
10·4		57·8	57·6		
8·7		58·3	48·5		9·3
10·0	46	4·8	39·9		
7·7		14·8	57·6	GWbl	6·9
10·0		18·6	58·9		
9·7		18·8	12·9		9·4
10·1		21·3	54·5		9·8
8·4		22·3	3·7		9·0
9·2		27·1	59·1		9·6
10·0		31·3	11·0		
10·0		42·1	47·9		
10·0		44·6	28·3		
10·0		53·6	4·4		
9·6	47	8·4	26·9		9·5
10·0		15·6	49·1		9·7
9·8		18·6	56·2		
	+1	3·0	+0·6		

961—1020.

mag.	5h. m	s	—22° ′		
10·4	47	24·1	37·5		
9·8		34·4	50·6		
9·0		55·6	29·9		9·0
9·1	48	3·1	23·4		9·4
8·3		5·4	24·0	bl	8·2
9·8		7·4	49·3		
10·0		21·6	21·0		
10·2		36·1	19·7		
9·7		51·6	10·1		9·7
10·0		55·6	25·6		
9·6	49	21·1	24·2		9·3
10·6		28·4	43·3		
8·7		29·6	51·7	Ga	9·0
9·6		53·1	26·0		9·1
10·0	50	2·6	33·8		
9·0		15·1	40·2	a	9·2
9·2		21·1	47·1		9·5
9·5		23·5	18·7		9·8
10·2		31·0	34·9		9·8
9·4		35·5	8·8		9·1
9·4		41·0	46·6	a	9·3
10·6		43·3	15·7		
8·2		55·5	17·2	C	8·7
7·5		59·5	51·6	6·5 Ga	6·7
10·6	51	3·0	59·4		9·5
8·4		8·5	40·1	a	9·0
9·8		14·5	28·3		
10·5		16·5	6·1		
10·4		31·3	41·8		10·
8·8		31·5	18·9		9·2
9·2		36·0	55·6		9·5
10·2	52	0·0	9·3		
10·6		3·0	59·5		9·8
9·4		12·0	12·8		9·4
9·2		12·0	11·2		9·3
9·0		25·0	26·3		9·3
9·4		30·5	42·7	a	9·5
9·5		51·2	0·8		9·5
10·4		51·3	26·1		
9·9	53	0·5	25·0		
9·5		16·5	53·7		9·4
10·0		17·0	33·4		
9·9		37·5	32·6		9·8
10·5		43·5	59·6		
8·8		44·5	35·1	a	8·9
9·4		55·0	28·7	a	9·3
9·2		57·0	10·0	Ca	9·0
9·0	54	2·0	38·6	a	9·5
10·5		4·0	32·2		
9·6		11·0	17·8		9·5
9·2		41·5	46·8		9·5
9·2		46·0	5·8	Ca	8·9
10·2		47·0	48·5		
10·2	55	20·5	3·8		10·
9·6		25·5	33·4		9·6
10·6		42·3	56·0		
10·6		42·3	49·0		
10·6		45·3	41·8		
10·5	56	0·5	24·5		
9·8		2·0	52·6		9·7
	+1	3·0	+0·3		

1021—1080.

mag.	5h.–6h. m	s	—22° ′		
9·4	56	4·0	23·9		
9·0		12·5	30·8	a	9·2
10·6		15·7	1·5		
8·8		22·9	8·8	a	9·1
10·2		24·4	54·0		
9·1		31·9	45·8		9·4
10·4		36·4	16·5		9·7
10·2		46·9	54·6		
9·5		54·4	8·8		9·5
8·7	57	1·9	18·4	a	8·9
9·2		8·9	43·1		9·6
9·2		11·9	25·3	a	9·5
9·4		19·9	42·8		
9·9		33·4	17·0		9·6
10·2		35·4	26·4		
9·9		49·4	28·1		9·5
10·2		49·4	54·1		
10·2		54·4	4·9		10·
8·7		58·4	44·3		8·8
9·1	58	14·9	48·8	a	8·8
10·2		30·4	55·9		9·6
9·2		41·4	18·5		9·5
9·6		50·9	7·9		9·8
9·2		55·4	30·1		9·4
10·0		56·4	5·1		9·7
9·8		58·4	18·6		
10·5	59	5·9	18·9		
10·0		14·4	52·6		
10·5		16·4	47·8		
10·6		19·4	31·6		
9·9		20·4	35·2		
9·2		21·4	34·7		9·6
10·6		40·4	35·1		
10·4		50·9	34·3		
10·2		59·4	44·7		
10·2	0	9·9	17·5		
10·2		30·4	23·9		
10·4		36·9	40·8		
9·2		40·4	6·0		9·7
8·8		46·4	38·4	a	9·1
10·0	1	16·4	29·0		
7·8		18·4	8·0	Ca	8·2
8·2		27·4	23·4	a	8·8
9·2		40·9	4·9	a	9·0
9·4		51·4	42·7		9·8
9·4		53·2	57·8		9·3
9·2		56·4	15·1	a }	9·0
9·8		56·9	15·3	}	
7·6	2	1·9	33·3	a	8·5
10·0		17·4	42·7		
9·2		25·9	6·0		9·7
8·6		41·9	27·5	a	9·0
9·4		43·4	27·2		9·6
9·6		50·9	34·1		9·5
9·6		55·4	46·4		9·3
10·6		56·9	4·0		
9·8	3	28·9	29·0		9·5
9·4		41·4	25·5		
5·7		42·9	24·4	Gbl	6·2
8·6	4	21·4	17·4	a	9·0
	+1	3·0	0·0		

1081—1140.

mag.	6h m s	—22° ′		
8·4•	4 25·4	6·0	Cal	8·1
10·2	29·4	11·5		
6·3	32·9	45·3	Gbl	6·5
9·9	35·9	30·5		9·3
8·6	5 17·4	20·2	a	9·0
10·0	20·9	31·8		
10·2	26·4	48·5		
8·8	31·9	3·8	a	9·1
10·6	46·4	20·6		
10·2	49·4	20·9		9·9
8·9	51·9	23·3	a	9·4
7·8	59·4	48·2	bl	8·7
10·5	6 10·4	8·0		
10·5	12·4	29·0		
8·7	25·4	52·3	8·5 bl	9·1
9·9	30·9	4·5		10·
8·8	32·4	46·6	al	9·2
9·2	32·9	42·9		9·7
10·0	45·9	12·1		
9·9	50·9	36·0		
9·6	51·9	7·8	a	9·7
10·2	54·1	59·8		
10·6	56·5	23·3		
9·9	7 6·4	37·3		
8·2	17·4	21·0	bl	8·5
8·2	17·4	31·8	al	8·5
10·6	25·4	36·0		
10·5	43·3	1·3		
10·0	49·0	6·3		9·7
9·9	50·3	35·0		
10·4	50·3	37·9		
9·6	8 0·3	23·0		
9·9	5·7	6·4		9·8
10·2	8·3	17·5		9·6
8·8	10·0	30·9		9·2
10·6	12·8	5·0		
9·4	16·8	14·6		9·8
9·2	17·0	45·0		9·2
10·0	26·8	12·3		
10·0	29·4	51·1		
10·5	36·7	4·8		
9·5	52·0	17·9		9·7
10·1	9 3·1	40·3		9·8
9·0	5·1	51·2		9·3
8·6	18·6	11·0	GCal	8·4
10·0	10 1·6	11·9		
10·1	24·1	9·5		
8·5	25·6	9·2	Gal	8·7
10·1	33·1	42·7		
10·0	39·1	9·5		9·8
9·0	43·1	42·4		9·0
10·1	44·1	44·5		9·4
10·1	50·1	21·1		
10·0	11 7·6	41·0		
9·8	16·1	28·0		9·5
10·2	16·6	34·1		9·5
9·6	20·1	25·1		
8·9	46·1	23·6		9·4
10·0	47·1	46·6		9·0
7·9	48·1	39·8	GStlπ	7·0
25pr.	+1 3·0	−0·3		

1141—1200.

mag.	6h m s	—22° ′		
9·6	11 49·1	39·3		
7·7	52·6	19·7	GStlπ	8·0
10·1	12 0·1	1·3		
10·0	17·1	35·5		9·5
10·2	53·1	29·6		
10·0	55·1	24·7		9·5
10·2	55·6	29·4		
10·1	13 10·1	20·1		9·6
9·3	12·6	46·8		9·4
9·2	14·1	47·0		9·3
10·0	20·1	57·9		
9·3	28·1	58·0		9·5
10·2	29·6	11·8		
9·0	30·1	11·2		9·0
9·2	36·1	48·3		9·4
9·8	43·1	43·2		10·
8·8	48·1	11·3		9·1
10·1	52·0	44·7		
10·2	52·0	47·0		
9·2	57·2	58·5	G	9·5
8·2	14 12·0	17·7	–	8·7
10·0	15·5	8·3		
8·2	22·0	3·2	GCbl	7·2
9·0	29·5	14·8		9·4
8·8	32·0	37·4	a	8·9
10·0	33·0	51·3		
10·2	39·5	4·2		
10·0	42·5	32·0		
10·0	51·5	7·4		9·7
9·0	59·0	2·3	a	9·5
10·0	15 0·0	52·4		
8·9	6·0	46·5		9·5
10·1	9·5	14·4		
10·0	12·0	9·6		
10·2	22·0	58·0		
10·0	23·0	39·5		
9·6	31·0	10·3	a	9·7
9·8	39·0	35·9		
9·4	52·0	37·3		9·8
8·5	52·5	17·1	Cb–l	8·4
10·1	56·0	2·0		9·5
10·0	16 0·0	51·4		
10·0	1·5	22·5		
9·8	3·5	45·0		
10·1	4·8	59·3		
10·0	15·5	44·4		
8·8	17·0	9·0	Cal	8·8
9·2	26·5	7·5		9·5
9·2	28·0	40·9		9·4
10·2	41·5	14·8		
8·9	51·0	53·2		9·4
10·2	17 0·5	58·6		
9·8	2·0	28·4		
8·4	2·0	11·3	Cal	8·6
10·2	3·0	10·7		
9·4	6·0	50·0		
8·8	12·0	32·2	al	8·6
9·4	12·5	35·8		
8·9	21·0	12·9	a	9·2
10·2	23·0	26·0		
	+1 3·0	−0·5		

1201—1260.

mag.	6h m s	—22° ′		
10·2	17 27·5	50·5		
10·2	28·3	27·1		
9·8	33·3	14·0		
10·2	49·3	23·2		
9·0	59·8	11·1	–	8·9
10·1	18 8·8	31·5		
10·2	11·8	43·8		
9·0	35·3	6·0		9·1
9·3	40·8	1·0		9·3
9·8	19 2·8	54·9		
10·2	7·5	59·0		
10·0	8·8	8·1		9·8
9·4	8·8	15·1		
10·2	9·8	21·5		
10·2	27·8	14·5		
9·4	32·5	59·5		9·5
10·0	41·8	22·8		
10·0	46·8	13·9		9·8
9·2	49·8	19·0		9·0
9·0	55·8	30·1	–	9·0
10·2	58·3	26·4		
9·8	58·8	55·8		
9·8	59·8	0·5		
10·0	20 12·8	21·4		
8·6	18·3	51·6		8·9
9·4	38·3	55·4		9·5
9·6	40·8	49·7		9·6
9·6	44·8	52·8		
9·3	51·8	43·2		9·5
10·0	57·8	37·5		
10·0	21 9·8	16·4		
8·6	17·8	49·9		9·0
9·3	18·8	7·0		9·5
10·2	20·8	55·3		
9·3	22·3	35·2	–	9·1
9·0	26·3	31·8		9·5
10·1	33·3	49·0		
9·3	35·8	2·2		9·7
9·5	52·8	35·1		9·5
10·2	58·8	14·9		
9·0	59·6	32·3		9·2
8·7	59·6	47·7		8·9
8·1	22 11·6	3·0	Cb–l	7·8
9·4	11·6	26·4		
9·3	15·6	23·8		9·5
10·1	16·6	50·9		
9·8	17·6	46·4		
10·1	32·1	41·9		
10·0	35·6	33·0		9·8
9·0	38·6	1·6		9·1
9·2	41·6	59·9		9·6
9·8	41·6	3·0		
9·8	58·4	57·1		
9·8	23 5·6	15·5		
10·1	10·1	51·1		
9·2	10·6	20·3		9·3
9·2	12·1	36·3		9·5
10·1	12·1	50·8		
10·2	18·1	50·0		
9·4	22·6	39·1		9·5
	+1 3·0	−0·8		

1261—1320.

mag.	6h m s	—22° ′		
9·2	23 41·6	38·0		9·4
10·2	44·6	14·0		
9·2	44·6	14·4	a	9·3
9·4	57·1	25·5		9·8
9·8	24 2·1	34·2		
9·2	6·6	25·4		9·5
10·2	6·6	46·4		
7·2	10·6	30·6	Gal	7·0
10·1	17·1	9·1		
9·6	23·6	6·0		9·7
9·6	24·1	25·3		9·5
10·2	32·1	39·5		
9·6	36·6	37·0		9·8
8·9	42·6	37·7		9·5
9·6	52·6	47·9		
9·6	58·1	23·4		
9·4	25 7·6	21·1		
10·2	8·6	12·9		
10·2	9·6	39·7		
10·2	11·4	11·9		
10·2	15·5	7·8		
10·2	17·9	48·9		
7·7	22·4	14·1	Cal	7·5
10·2	26·5	1·3		9·6
9·5	27·4	35·8		
10·0	32·9	21·3		9·8
10·2	37·9	36·7		
9·2	39·4	7·5		9·5
9·5	44·7	2·1		
10·2	49·4	20·9		
9·6	52·4	0·3		9·7
9·8	26 12·9	14·9		
9·8	17·4	22·4		
9·5	26·4	43·3		9·7
9·6	26·4	7·7		9·7
10·1	27·9	17·9		
9·6	35·4	5·1		9·7
9·2	37·4	3·7		9·6
10·2	49·4	8·5		
9·8	27 5·4	19·0		
10·0	7·4	39·3		
10·0	34·1	14·3		9·5
10·2	35·6	57·3		
9·0	35·9	48·6		9·5
9·4	36·4	3·5		9·8
10·2	42·4	30·3		9·8
8·5	54·9	30·9	Ga	8·3
10·1	57·1	50·3		
8·6	28 2·4	58·5	Gal	8·0
10·4	19·9	53·7		
9·0	24·6	46·9		9·2
8·8	26·1	36·1		9·1
8·7	37·6	10·3		9·0
9·4	43·8	47·9		9·5
10·1	56·3	16·4		
10·0	29 17·8	11·1		
9·8	26·3	36·7		9·6
9·4	39·3	52·1		
9·4	42·3	13·5		9·2
10·0	48·8	38·7		
	+1 3·1	−0·9		

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1321—1380.

mag.	6h. m	s	—22° ′		
5·3	29	49·8	51·9	5·0 GSπβ	5·0
9·0		52·3	42·5	a	9·2
9·0		52·3	34·1	a	9·1
10·3	30	8·3	9·7		
7·9		13·3	0·7	GC–	6·9
10·4		17·5	22·3		
10·2		23·3	16·9		
9·5		26·3	26·5	a	9·1
9·8		44·3	8·1		9·5
10·3		45·3	30·4		
10·4		46·3	12·5		
9·8		53·3	52·7		10·
10·3		54·8	47·9		10·
9·4		58·8	48·1		9·7
10·3	31	3·5	16·8		
9·0		4·8	26·1	a	9·2
9·0		8·8	50·0		9·4
10·4		8·8	42·3		
9·5		13·3	13·0		9·8
9·0		14·3	14·9		9·4
10·2		17·3	5·9		
10·0		21·8	26·8		
9·2		26·3	42·0		9·2
10·3		26·4	36·6		
7·0		26·4	30·6	Gal	7·0
8·8		38·4	9·7	Cal	8·3
9·0		39·9	54·5	}	9·0
9·0		40·4	54·3	}	
10·2		41·4	21·8		
10·4		46·4	44·9		
10·2		59·6	0·7		9·8
10·1		59·9	40·1		
9·4	32	1·9	32·0		9·8
10·0		4·4	33·5		
10·2		4·9	50·9		
9·6		27·9	22·3		9·5
9·6		29·9	29·1		9·8
10·3		32·4	50·9		
9·4		40·9	59·3		9·5
10·3		48·4	21·9		
10·2		51·4	40·5		
10·0		53·9	39·1		
8·6	33	1·9	39·5	al	8·7
10·4		12·1	24·0		10·
8·8		13·9	55·7	G }	9·0
8·8		13·9	55·9	8·5 G }	
10·4		16·1	23·3		
9·4		16·4	30·4		9·4
9·6		16·4	53·3		
10·4		25·4	46·5		
10·4		32·4	31·1		
9·2		33·9	16·2		9·4
10·2		41·9	47·3		
9·3		41·9	52·1		9·8
10·4		42·4	4·7		
10·3		51·9	46·4		
9·8		56·4	19·3		9·5
10·2		57·4	7·3		
10·1	34	9·1	8·8		
10·4		12·9	8·3		
25pr.	+ 1	3·1	− 1·2		

1381—1440.

mag.	6h. m	s	—22° ′		
9·8	34	15·9	56·4		9·7
10·2		15·9	35·2		
10·4		31·7	8·3		
8·6		38·4	47·5	a	8·3
10·3	35	2·4	7·7		
9·4		2·4	39·4		9·3
9·4		6·9	32·0		
10·4		26·4	13·8		
10·4		31·9	53·5		
10·4		48·2	16·2		
9·4		49·9	48·9		
10·0		58·4	17·0		
10·2	36	3·4	23·3		
8·8		3·4	5·8	Cal	8·8
10·4		33·4	56·1		
10·3		37·4	32·7		
8·5		42·9	21·9	b	9·0
10·0		49·9	54·1		9·5
9·0		50·9	17·9		9·4
7·8		52·9	19·4	al	8·5
9·5		59·9	22·9		9·2
10·4	37	2·9	47·0		10·
10·0		2·9	57·7		9·5
10·4		4·4	6·6		10·
8·5		6·4	14·4		8·7
10·4		18·4	20·1		
9·0		22·9	39·9		9·3
7·0		30·4	19·8	Gbl	6·8
10·2		31·4	49·5		9·5
9·8		56·9	38·5		9·5
10·4	38	2·2	18·6		
10·4		8·8	1·5		9·8
9·3		18·4	41·3		9·4
10·1		20·2	34·2		
10·4		35·9	5·2		
10·3		36·9	38·5		
10·4		45·4	56·5		9·8
10·1		47·4	30·6		
10·2		48·4	3·7		
9·0		53·9	24·4		9·5
8·6		57·4	26·9	a	8·5
9·4		57·4	34·9		9·4
8·8		58·9	20·3	a	8·4
9·4	39	0·4	48·8		9·5
8·6		4·9	18·2	a	8·5
10·1		11·9	6·1		9·7
8·8		12·4	39·1		9·1
10·2		15·9	52·7		
9·8		25·9	26·3		
10·3		26·9	48·4		
10·2		32·8	44·9		
10·2		40·3	26·9		
10·3		45·8	9·9		9·5
10·3		45·8	35·3		
10·2		49·8	56·9		
10·4	40	14·8	23·9		
10·4		15·8	31·9		
10·3		25·8	37·2		
10·2		27·3	47·1		10·
9·4		31·8	34·2		9·3
	+ 1	3·2	− 1·4		

1441—1500.

mag.	6h. m	s	—22° ′		
10·2	40	36·3	59·5		
10·3		43·8	17·7		
9·0		45·8	55·4		9·1
10·3	41	1·3	4·5		10·
9·3		3·8	19·9		9·0
10·3		8·3	31·7		
9·3		24·8	3·5		9·3
10·2		26·3	18·7		
10·2		30·3	9·9		
9·5		31·3	4·9		9·5
9·2		41·8	37·8		9·3
10·2		44·3	43·3		
8·2		47·3	32·7	b–l	8·7
10·3		52·3	9·9		
8·7	42	1·3	55·2	8·0 Gal	8·5
8·6		2·3	20·1	–	9·1
10·3		9·8	12·5		
9·8		21·3	11·9		
9·6		21·3	47·8	:	9·4
9·8		21·8	31·1		9·5
9·8		26·3	51·9	9·5 b	9·2
8·2		30·0	2·1	C–	8·7
10·4		43·3	15·1		
10·4		52·8	53·8		
10·4	43	5·8	14·1		
9·4		11·8	27·6		9·4
9·3		15·8	46·9	a	9·3
9·5		15·8	23·4		9·6
9·6		16·8	38·7		
8·6		21·3	45·1	a	8·8
10·4		31·8	8·6		
9·6		32·3	30·6		10·
9·6		33·3	3·5		9·8
9·3		33·8	28·6		9·6
9·2		42·8	14·6		9·6
9·6		47·3	15·6		9·8
9·0		47·8	34·0	a	9·0
9·6		53·8	48·9		
9·5	44	0·3	33·5		
9·6		6·8	32·7		9·5
10·2		10·8	22·2		9·8
10·2		14·3	4·1		
9·0		20·3	42·5		9·3
10·3		25·3	56·9		
9·4		27·8	17·6		
8·5		37·3	19·8	a	8·7
10·3		41·8	46·2		
9·8		43·3	16·1		9·3
9·8	45	2·3	46·6	a	9·2
9·8		5·8	51·3		
10·3		11·8	14·8		
9·1		12·8	55·9		9·4
10·3		15·3	42·0		
9·3		20·3	3·2		9·4
10·3		20·3	52·1		
8·6		26·8	51·0	9·5 a	9·2
9·0		31·8	32·3		9·1
10·0		32·3	11·2		9·3
10·4		35·8	24·6		
9·4		36·8	47·9		9·5
	+ 1	3·2	− 1·6		

1501—1560.

mag.	6h. m	s	—22° ′		
9·5	45	37·3	35·2		
10·4		38·8	14·2		
9·4		39·3	49·8		
10·4		40·5	33·0		
10·4		41·3	33·0		
10·3		42·8	18·3		
9·4		45·8	20·8		9·8
9·4		48·8	49·7	a	9·5
10·1		49·3	55·5		
9·3		51·3	5·0		9·6
10·4	46	3·8	53·6		
10·4		6·3	1·4		
9·8		10·8	3·3		9·5
9·1		14·1	56·6	9·2 a	9·4
9·4		16·0	2·6		9·4
10·4		31·8	54·8		
10·0		34·3	19·4		9·7
10·3		35·8	17·7		
8·3		37·8	9·2	Cal	8·1
10·4		43·8	16·5		
10·2		43·8	36·7		
8·9		44·3	3·9	a	9·2
10·3		46·0	25·7		
9·0		51·3	32·9	–	9·0
9·8	47	1·8	57·1		
9·2		5·3	3·0	a	8·9
10·4		8·8	8·9		
10·1		15·3	39·3		9·4
10·0		23·8	12·7		9·4
7·6		32·3	53·7	8·5 Gal	8·2
10·3		36·0	15·7		
9·3		41·3	14·6		9·4
9·2		42·7	57·6	9·0 a	9·1
9·6		53·3	32·0		9·5
10·4		55·0	0·1		
10·4		56·4	46·4		
8·8	48	9·8	48·9	a	8·8
10·4		11·1	49·9		
10·2		11·1	26·8		
9·5		17·1	37·3		9·5
9·0		25·0	16·8		9·3
9·6		37·1	21·8		9·5
8·5		38·6	10·4	C	7·8
10·4		39·6	3·1		
10·3		42·1	12·5		
8·8		44·1	26·4		9·0
10·3		56·1	19·9		
8·8		58·0	57·1	a	9·3
8·7	49	2·1	16·7	C	8·3
9·0		2·1	38·0		9·5
9·6		5·1	52·7		
8·6		7·1	53·5	Ga	9·1
9·3		10·1	53·9		9·3
10·4		15·4	57·1		
10·4		15·6	36·1		
10·0		18·6	35·1		
9·2		25·1	15·0		9·7
10·4		25·1	39·8		
9·4		27·1	38·8		9·5
8·9		30·1	36·7		9·0
	+ 1	3·3	− 1·7		

1561—1620.

mag.	6h. m	s	—22° ′		
10.2	49	34.6	7.9		9.8
9.0		35.4	1.1		9.2
10.2		36.6	39.5		
8.5		43.1	46.9	a	8.4
10.2		44.6	44.4		9.8
9.7		51.1	41.5		9.5
9.6	50	6.1	27.9		9.8
9.8		11.1	57.1		9.5
10.2		12.1	25.0		
9.8		12.1	2.6		9.5
9.7		17.1	13.5		
8.9		21.4	2.1	C	8.7
9.1		29.6	13.9		9.1
5.6		31.6	46.9	Gbl β	6.0
8.8		42.1	51.1	9.0 a	8.9
10.4		52.6	22.1		
9.0		56.1	19.6		9.4
10.3	51	5.6	52.7		
9.7		7.6	8.4		9.7
10.0		7.6	13.3		9.7
9.3		12.1	48.7		9.5
8.8		16.1	21.4		9.0
8.6		17.6	28.9	b	8.0
8.9		19.1	28.6	a	9.0
9.2		22.1	48.2		9.5
9.9		22.1	43.2		
9.6		25.1	30.1		9.7
10.3		31.1	43.0		
10.4		39.1	51.6		
10.4		40.6	19.6		
9.7		42.6	44.3		9.4
9.6		46.1	4.4		9.9
10.3		49.1	7.9		
6.9		56.1	2.4	GCb–1	7.1
10.3		59.6	29.9		
10.0	52	5.3	28.7		
10.4		12.8	47.3		
10.2		16.3	3.5		
8.2		20.5	59.6	8.0 Gbl	8.0
10.0		23.8	21.5		
9.2		26.8	25.5		9.5
10.2		32.3	23.6		
9.6		32.8	10.3		9.7
10.0		36.3	9.6		
9.1		38.8	8.6		9.7
10.4		39.3	36.2		9.4
9.2		40.3	51.1		9.8
10.3		45.3	23.9		
8.4		45.8	42.5	a	9.1
10.3		53.3	37.6		
10.3		56.8	53.1		
9.9		57.8	4.9		
10.0	53	0.3	46.7		
10.4		3.3	59.6		
9.3		7.3	18.3		9.4
9.4		8.3	47.3	a	9.4
9.8		8.8	40.1		
10.4		13.3	39.0		
9.8		16.3	51.6		9.6
10.3		16.8	32.6		
25pr.	+1	8.3	−1.9		

1621—1680.

mag.	6h. m	s	—22° ′		
8.9	53	21.3	22.0	a	} 9.1
10.2		22.3	22.0		
9.2		25.3	56.9		9.5
10.4		26.8	45.4		
9.2		26.8	22.0	a	9.1
9.9		38.3	34.6		
10.2		45.3	54.0		10.
9.2		48.3	15.5		9.5
10.2		50.3	20.6		
10.4	54	2.3	23.4		
9.2		3.9	5.9		9.7
8.5		4.3	38.7		8.8
9.8		5.4	49.7		
10.3		5.4	45.5		
9.8		5.4	20.7		9.5
9.6		9.4	13.5		
9.7		12.4	32.8		9.5
10.3		12.9	53.3		
9.7		14.9	24.7		9.8
9.8		15.1	1.6		9.7
9.2		15.9	28.9		9.4
8.8		19.4	56.0	Ga	8.3
10.0		25.4	12.6		
9.1		28.4	31.0		9.5
10.4		29.7	2.4		
8.9		32.4	4.4	a	9.1
10.3		32.4	18.1		
10.3		32.9	43.3		
10.4		35.4	19.6		
8.4		45.9	32.8	a	8.7
9.3		46.4	3.9	a	9.2
8.6		46.9	50.2	al	8.5
8.9		52.4	32.8	a	9.0
9.3		54.4	27.9		
9.8		56.9	.0.7		
9.1	55	0.9	53.5		9.5
10.3		2.4	50.7		
9.7		5.4	4.3		
8.6		11.4	28.2	al	8.0
10.0		14.9	59.0		
8.8		19.9	56.4	a	9.2
9.2		21.4	14.8	a	9.3
10.0		21.4	27.6		
9.9		25.4	28.5		
9.0		26.6	22.0		9.5
10.2		27.6	29.2		
8.6		32.1	12.5	Ca	8.4
9.6		35.1	26.5		9.3
10.4		37.2	58.6		
10.4		37.6	44.2		
10.2		43.6	41.3		
8.7		45.6	20.9	a	9.0
8.6		47.6	50.5	a	8.7
9.6		49.6	58.5		9.5
10.0		51.6	3.6		
9.6		51.6	54.2		9.5
9.7		57.6	34.6		
8.8	56	1.6	24.0	a	9.3
10.4		2.6	48.1		
9.6		4.6	9.4		
	+1	3.3	−2.0		

1681—1740.

mag.	6h. m	s	—22° ′		
10.3	56	5.6	19.8		
9.8		5.6	3.6		10.
9.8		9.6	11.2		
10.4		12.6	19.6		10.
8.9		12.6	23.1		9.3
9.1		15.1	29.0	a	9.0
10.4		15.6	35.2		
9.2		16.6	28.9		9.5
10.2		17.1	37.3		
9.2		20.1	59.3		
9.4		21.6	43.4		} 9.4
9.4		22.6	43.6		
9.1		26.1	31.3		9.5
8.5		31.6	55.7	a	8.7
10.3		39.6	21.3		
9.2		43.1	49.3		9.5
10.4		45.6	50.2		
10.0		55.6	47.8		
9.9		57.6	28.8		
9.4		57.6	17.5		
9.2	57	5.6	19.0		9.5
9.4		9.6	35.1		9.5
10.4		12.7	59.1		
10.2		12.8	12.0		
10.2		19.8	35.2		
9.4		28.8	55.7		
10.2		33.3	28.0		
10.2		42.8	56.0		9.8
10.4		48.9	46.9		
10.3		49.3	51.1		
8.6		51.3	38.1	a	8.4
9.3		55.8	23.0	a	9.2
9.2		55.8	27.2	a	9.1
10.2		56.8	47.3		
10.0		57.2	56.6		
9.0		59.8	52.3	9.0	9.0
8.7	58	6.3	23.2	a	8.5
9.8		11.8	30.7		
9.7		13.3	59.0		9.8
9.0		23.3	46.3		9.1
10.4		36.9	51.1		
10.4		37.3	45.1		
10.4		37.3	33.4		
8.9		41.8	7.8		8.8
10.0		42.8	8.0		
10.0		46.3	58.2		
9.8		55.8	11.2		
9.0	59	0.8	34.0	a	9.0
10.0		1.8	15.5		9.6
9.8		2.8	34.5		9.4
10.3		10.8	36.1		
9.6		12.8	17.2		9.5
10.3		20.8	20.8		9.5
9.3		21.8	41.0		9.5
10.3		34.3	28.5		
10.3		38.3	41.0		
10.3		40.3	10.0		
10.2		52.1	58.8		
10.0		54.9	19.3		
9.3		55.4	52.4		9.5
	+1	3.4	−2.1		

1741—1800.

mag.	6h.–7h. m	s	—22° ′		
10.3	59	57.4	16.6		
10.3	0	1.4	13.0		
10.0		2.4	42.8		
10.2		2.9	31.0		
9.6		5.9	1.9		9.5
10.4		5.9	31.4		
10.3		8.4	42.4		
9.7		13.9	50.7		9.8
10.3		15.9	55.7		
10.3		16.0	46.1		9.5
9.6		18.4	36.2		10.
9.6		18.9	16.0		9.8
9.4		22.9	39.5		9.5
9.8		32.9	1.9		9.8
8.8		39.3	53.0	9.5	9.0
10.4		40.9	5.7		
9.3		42.4	5.0		9.5
10.2		43.9	30.3		
9.6		47.9	14.4		10.
9.0		48.4	16.2		9.6
9.6		50.9	41.5		9.4
10.0		52.4	25.2		
10.2		55.9	44.5		
10.4		58.9	24.2		
10.4	1	3.4	38.0		
10.3		7.4	0.1		
9.2		7.6	57.8		9.8
9.8		8.9	14.2		
8.8		9.9	54.0	9.0–	8.5
9.8		12.9	2.2		
8.9		15.9	48.2		9.3
10.2		17.9	38.1		
9.4		21.4	1.9		9.7
9.4		32.9	23.2		9.8
10.4		51.9	5.7		9.8
10.3		52.2	18.1		
9.0		53.7	0.9	a	9.1
9.0	2	9.2	46.9		9.4
9.4		10.7	41.2		
9.4		12.2	38.1		9.3
9.9		12.2	23.0		
10.2		22.2	43.0		
9.4		23.7	13.2	a	9.0
10.4		28.7	18.7		
9.8		31.2	9.1		
9.8		32.7	33.3		
10.4		36.2	37.2		9.7
10.4		38.2	41.1		
9.1		39.4	2.2	a	9.0
10.0		41.2	42.7		
8.8		56.7	14.7	a	9.0
9.0	3	3.2	36.8		8.9
8.7		3.2	12.7	a	9.0
8.6		16.2	57.7		9.0
9.8		18.2	25.3		9.5
10.0		21.0	57.1		
8.8		26.2	52.3		9.1
10.0		28.2	20.5		9.4
8.7		33.7	30.1		9.0
10.4		36.2	30.8		
	+1	3.4	−2.2		

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1801—1860.

mag.	7h. m	s	—22° ′		
10.4	3	36.2	35.5		
9.8		36.2	0.2		9.5
10.4		49.2	6.4		
9.8		50.2	34.9		9.4
10.4		52.2	25.9		
10.4		57.2	52.1		
10.4	4	1.2	44.5		
8.9		2.2	34.2		9.0
9.9		2.2	27.0		9.8
8.8		3.2	17.6	a	8.9
10.4		3.7	42.5		
10.2		10.2	28.9		
10.2		11.2	44.3		
9.8		12.2	40.8		
9.8		13.0	58.1		
10.2		13.5	14.9		9.8
10.0		15.5	45.0		
9.3		18.5	49.3		9.6
10.2		19.5	33.5		
10.3		20.5	11.0		
9.2		22.5	27.9	a	9.3
9.4		23.5	19.3		9.5
9.0		24.0	4.3	a	9.0
8.8		27.5	48.5		8.7
9.8		31.0	36.5		9.5
10.4		33.5	11.1		
9.4		38.0	23.1		
10.3		38.5	11.9		
9.4		56.5	11.9		9.4
10.4		56.5	8.5		
9.9		57.5	36.6		9.6
9.8		58.0	41.6		9.4
10.2	5	3.5	19.1		
10.2		3.8	59.1		
9.7		7.0	46.1		9.8
9.2		13.5	56.1		9.4
10.2		18.5	17.9		9.8
10.4		19.5	40.9		
9.4		22.5	5.1		9.6
10.2		26.5	19.9		
9.4		26.8	2.1		9.6
9.1		33.5	19.7	a	8.7
10.4		36.3	1.7		
9.3		53.5	19.7	a	9.0
9.0		55.5	46.9		9.0
10.4		59.5	22.2		
9.4	6	2.5	39.5		
10.4		3.5	26.7		
10.2		8.5	11.9		9.7
9.1		12.5	23.9		9.0
9.9		13.5	9.7		9.5
10.3		13.5	25.1		
10.0		22.5	33.8		
9.9		23.0	4.8		9.5
10.4		24.6	1.3	}	9.8
10.4		26.1	0.9	}	
9.9		27.1	14.1		
10.4		39.8	57.1		
10.4		45.1	45.9		
10.3		46.6	12.1		
25pr.	+1	3.5	−2.3		

1861—1920.

mag.	7h. m	s	—22° ′		
10.4	6	47.6	20.5		
10.4		47.6	24.6		
9.8		50.4	3.1		10.
10.2		52.1	19.5		9.9
10.0		52.1	29.3		
8.6		54.1	46.5		8.5
9.7		54.6	26.2		
9.7	7	3.6	24.5		
9.0		7.6	47.3	–	8.7
10.4		13.6	24.2		
10.4		20.6	18.1		
8.5		22.8	42.1		8.8
9.9		25.1	49.5		
9.8		27.3	17.1		
8.8		33.3	38.9		9.0
10.4		37.6	10.9		10.
8.5		48.0	40.1		9.1
10.4		48.1	23.3		
10.2		50.6	46.3		
10.4		52.6	24.2		
9.6		53.0	32.7		
9.3		56.6	10.1		9.4
10.4		59.0	21.1		
10.4	8	3.6	35.1		
8.1		6.1	27.7	Gbl	6.0
10.4		8.6	43.7		
9.8		12.6	47.7		
10.4		13.1	46.5		
9.4		16.5	50.4		9.4
9.9		19.3	24.9		9.5
9.4		21.3	13.3		9.5
10.1		22.3	45.5		
10.4		28.5	28.4		
6.9		31.5	41.6	Gb-l	6.8
10.0		32.5	56.6		
10.4		35.5	55.3		
9.6		41.0	42.5		
10.1		45.5	33.8		
10.3		46.5	29.8		
10.4		46.5	51.5		
10.1		46.5	36.0		
9.2		48.0	28.9		9.1
10.3		54.0	46.9		
8.8		54.5	27.8	a	9.0
10.1		57.5	32.2		
10.4	9	7.1	58.0		
8.6		13.5	43.7	Gbl	8.5
8.9		18.5	20.2		9.0
10.0		23.0	1.5		
10.1		25.3	20.5		
10.1		26.3	8.5		
10.2		26.5	24.3		
9.6		28.8	37.6		9.8
10.2		39.8	8.9		
10.4		40.8	17.9		
10.0		43.3	3.1		
8.7		46.8	33.7	Gal	8.0
10.0		48.8	32.8		
10.0		50.3	35.9		9.5
9.7		52.3	42.6		
	+1	3.6	−2.4		

1921—1980.

mag.	7h. m	s	—22° ′		
8.6	9	53.3	46.2	a	8.7
10.1		56.3	54.8		9.8
10.3		56.3	41.5		
10.3		57.3	37.8		
9.4	10	2.3	20.0		
9.0		9.3	37.5	b	9.0
10.4		9.8	24.9		
9.3		15.3	26.3		9.8
9.6		15.3	7.2		9.3
9.5		17.8	3.3		9.8
10.3		20.0	1.1		
10.3		21.3	29.6		
9.4		22.3	12.4		9.2
10.4		26.8	18.0		
9.6		29.3	7.1		
9.8		29.8	58.9		
10.3		31.3	49.9		
10.0		32.3	44.2		
9.4		33.8	24.7		
10.3		38.3	27.2		
9.4		50.3	5.6		9.2
10.0		52.3	5.4		10.
9.3		52.3	24.2		9.5
10.2		55.3	42.1		
9.5		58.2	57.0		
9.1		59.0	2.9		9.6
9.4	11	0.7	37.9	a	9.0
10.0		2.2	31.4		
9.7		4.2	8.2		
9.7		5.2	56.5		
9.0		6.7	3.0		9.3
9.8		7.2	55.1		
9.4		8.5	59.5		9.5
9.9		10.2	7.4		
9.0		11.5	2.8	–	9.1
10.0		12.2	52.6		
9.4		14.2	32.9		
9.2		21.2	30.4		9.4
9.1		22.2	35.5	a	8.3
9.9		25.2	30.2		
10.4		26.2	18.0		
10.4		31.2	8.5		
10.0		32.7	25.8		
9.8		36.2	32.0		
10.0		37.2	33.4		
8.9		37.7	51.3		9.4
10.3		38.2	27.3		
9.4		38.7	9.8		9.8
9.4		45.7	21.3		
9.5		46.2	28.0		
10.4		46.7	47.2		
10.0		51.2	41.2		
9.9		51.2	29.3		
9.0		57.2	25.9		9.4
9.6	12	0.5	59.7		
9.0		1.7	51.1		8.8
9.9		2.2	14.2		
10.3		2.2	4.0		
8.3		12.7	29.0	a	8.5
8.7		13.7	36.4	a	8.7
	+1	3.6	−2.5		

1981—2040.

mag.	7h. m	s	—22° ′		
10.3	12	14.2	51.5		
10.2		14.7	14.6		9.8
10.3		21.2	41.4		
10.0		22.2	7.1		
10.4		22.2	23.4		
8.3		24.9	57.7	9.0	8.3
8.5		31.9	58.1	9.0	8.7
9.7		34.6	21.0		9.7
10.1		34.9	57.9		
9.1		37.1	26.0		9.5
8.9		44.0	1.0	C–	8.8
8.3		52.1	6.9	Cb-l	7.0
9.2		56.6	53.3		9.3
10.0	13	4.6	32.1		9.5
10.0		5.1	5.8		
9.0		7.6	31.5		9.5
9.8		9.3	2.2		9.8
10.4		10.6	57.8		
9.8		12.1	19.5		9.7
10.0		12.6	21.5		
9.8		14.9	59.0		
9.8		16.1	18.9		9.7
8.9		20.1	53.0	9.5 Ga	9.3
9.5		20.1	20.4		9.8
9.0		21.1	34.9	a	9.1
9.4		21.1	54.7	9.5	9.5
10.1		21.6	47.9		
10.3		40.1	16.4		
10.3		41.1	43.9	}	9.4
9.5		42.1	42.8	}	
10.4		43.1	29.0		
10.0		46.1	7.7		
9.6		48.1	44.3		
10.3		52.1	22.7		
9.8		53.6	42.3		
9.0		56.1	10.4		9.5
10.3		58.1	24.7		
9.1	14	0.1	14.7		9.5
9.6		5.6	31.3		
10.0		7.6	47.0		
10.4		10.0	30.9		
8.8		10.0	11.6		9.5
9.8		11.0	56.0		
10.3		12.0	36.1		
9.5		13.5	29.0		9.5
9.2		14.0	32.5		
10.3		20.0	26.8		
9.4		22.0	6.3		9.8
9.9		22.0	27.0		
9.2		25.0	50.0		9.4
9.6		31.0	40.4		9.2
9.8		34.5	29.6		
9.4		45.0	21.6		9.8
10.3		50.0	56.0		
9.6		50.5	3.4		
8.6		52.0	39.6	a	8.7
9.4		56.0	56.9		9.5
9.6		56.4	0.8		
10.4		58.0	38.4		
10.4	15	2.0	45.2		
	+1	3.7	−2.7		

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2041—2100.

mag.	7^h m	s	—22° ′		
10·1	15	16·1	57·5		
9·2		18·0	23·6		9·3
9·1		21·0	30·9	a	9·3
10·0		25·0	33·7		
9·8		27·0	29·9		9·7
10·3		32·0	23·1		10·
10·0		32·0	58·5		
7·0		35·0	37·0	Gal	6·8
9·8		37·5	15·3		10·
9·1		38·5	56·1		9·3
9·1		41·5	38·7		9·4
9·9		56·0	43·8	}	9·3
9·4		56·5	43·2	}	
10·0		57·0	12·8		
9·4	16	0·0	20·6		
10·3		3·0	20·4		
9·8		6·0	32·0		
9·8		6·0	14·3		9·8
8·9		7·9	7·5		9·3
10·0		15·4	48·9		
9·3		17·4	16·2		10·
9·6		22·9	46·5		
9·8		24·4	47·0		10·
9·8		24·9	59·2		
9·4		25·9	15·5		9·7
9·7		26·9	26·0		9·5
9·5		27·9	56·4		10·
10·2		33·9	13·8		
10·0		41·9	34·7		
10·3		44·9	30·4		
10·3		52·9	43·6		
9·2		54·9	29·3		9·6
10·3		56·9	10·3		
10·4	17	1·9	11·3		
10·1		8·0	57·4		
10·4		10·9	28·8		
8·8		10·9	47·2	a	9·1
9·4		11·9	46·5		
10·3		12·4	5·8		
8·9		15·9	54·3	a	9·0
9·2		17·4	10·9		9·3
9·2		17·9	27·5		9·4
9·4		20·9	30·6		9·8
9·2		21·9	24·9		9·4
10·4		22·4	47·9		
10·4		28·9	28·0		
10·3		35·9	22·9		
9·9		36·9	37·4		
9·4		41·9	5·6		9·6
9·3		42·9	22·9		9·7
9·5		46·9	56·3		9·4
8·6		51·9	4·5		8·8
10·4		53·4	12·7		
10·1		54·9	39·6		
10·3	18	2·4	44·7		
8·8		·2·9	25·8		9·1
9·5		5·8	22·2		
9·5		7·3	28·6		
10·0		7·8	46·3		
8·9		14·8	16·5		9·0
25pr.	+ 1	3·7	−2·8		

2101—2160.

mag.	7^h m	s	—22° ′		
8·6	18	17·7	39·6	a	9·0
9·9		18·8	17·7		
10·0		20·2	2·6		
9·6		20·3	43·7		9·1
8·9		20·8	46·7	a	9·1
10·0		23·8	7·2		
9·6		24·8	15·0		
8·4		24·8	37·4	a	8·8
9·8		28·5	59·0		
10·4		33·8	7·9		
10·4		34·3	51·1		
10·3		49·8	19·0		
10·1		50·3	27·3		
10·3		50·8	30·6		
8·8		51·8	7·2	C–	7·6
10·3		52·8	36·4		
9·8		53·8	58·9		9·5
9·8		58·8	23·3		9·4
6·6		·59·3	40·1	Gal	6·7
9·8	19	0·8	37·4		
10·0		0·8	23·2		
10·0		4·8	2·2		
10·0		5·8	16·4		
9·3		8·8	47·8		
10·2		12·3	17·3		
9·1		14·8	44·8		9·4
10·3		15·8	24·8		
10·3		15·8	20·1		
9·6		18·8	2·8		10·
9·6		24·8	40·6		9·8
10·2		26·8	32·2		
10·4		27·8	9·5		
8·8		35·8	38·2	a	8·9
10·3		36·8	46·6		
9·8		44·3	14·6		
9·7		46·8	55·6		
10·4		46·8	34·0		
10·1		52·8	26·7		
9·6		53·3	40·9		9·8
10·4		56·8	31·3		
9·3		57·7	17·2		9·8
9·6		58·7	25·4		
10·4	20	18·7	26·4		
10·2		21·7	6·5		
8·6		27·7	36·8	a	9·0
10·0		28·2	0·8		9·7
10·4		30·7	52·8		
9·4		30·7	13·2		9·6
9·0		30·7	5·8		9·4
10·4		32·7	4·4		
10·0		35·2	33·8		
9·4		36·7	40·3		9·8
9·9		37·2	54·2		
9·9		39·7	55·2		
10·4		40·7	52·4		
10·4		41·7	16·0		
9·9		45·2	51·4		
9·4		47·7	31·4		
10·0		52·7	30·9		
9·4		56·7	57·6		9·8
	+ 1	3·8	−2·8		

2161—2220.

mag.	7^h m	s	—22° ′		
9·8	21	0·2	47·4		
9·4		0·7	57·2		9·7
9·6		2·1	32·5		
10·1		2·2	7·8		
10·3		4·0	1·0		
9·5		8·7	46·9		
10·0		9·7	21·5		
10·4		14·7	31·2		
9·6		18·2	10·1		9·3
10·3		18·2	13·7		
10·4		18·7	52·8		
7·7		20·7	50·0	b–l	8·0
9·9		21·2	9·1		
10·0		29·2	52·8		
9·2		31·1	39·3		9·8
9·4		31·2	44·2		9·3
10·4		32·6	43·0		
5·7		41·6	50·1	Gbl	6·0
9·4		41·6	47·0	–	9·3
10·4		45·6	39·1		
9·4		46·6	29·0		9·3
9·6		52·6	42·3		
9·8	22	0·1	3·8		
10·0		4·6	41·3		
9·4		12·6	29·3		9·8
10·4		15·1	12·0		
10·4		23·1	20·9		
6·4		23·6	36·4	Gbl	7·0
10·1		27·6	48·0		
10·3		31·1	21·6		
10·2		32·1	2·2		
10·3		34·1	52·8		
10·3		35·6	18·8		
9·0		36·1	47·8		9·4
9·4		37·6	8·0	a	9·2
10·0		40·6	58·7		
9·1		53·6	30·2	a	9·2
9·7		56·6	20·0		9·6
10·0		59·1	15·9		
9·4	23	0·6	16·7		9·7
10·4		2·6	46·6		
9·8		12·1	8·0		
10·4		15·6	3·6		
10·3		16·1	52·0		
9·6		17·1	48·2		10·
9·4		20·1	29·1		9·9
10·0		20·6	25·2		
9·6		27·6	52·9		9·9
10·3		27·6	36·9		
10·0		28·1	11·0		
10·4		28·4	21·2		
10·0		31·4	17·5	?	
9·8		31·9	51·9		9·9
8·2		35·9	53·8	9·0 G	8·7
10·2		35·9	26·2		
9·9		36·4	36·8		
9·8		38·4	2·3		9·8
10·0		43·4	48·7		
10·4		43·9	8·0		
9·9		46·4	34·3		10·
	+ 1	3·9	−3·0		

2221—2280.

mag.	7^h m	s	—22° ′		
9·3	23	50·4	38·3	a	9·4
10·0		56·4	38·4		
9·9		57·9	28·7		
9·4	24	4·4	9·6		9·7
9·7		7·4	50·6		
9·7		9·4	10·1		9·7
9·8		14·4	51·2		
10·3		17·4	32·8		
10·0		28·6	57·0		9·4
9·5		32·4	30·8		9·1
5·6		32·9	45·9	Ga	6·0
9·0		36·4	18·4		9·0
9·6		40·4	31·1		
9·4		40·9	13·8		9·7
9·4		46·4	14·7		9·2
10·2		46·4	26·1		
10·4		46·9	40·4		
10·4		48·4	52·8		
9·2		58·4	4·0		9·8
9·4		59·9	12·7		9·8
10·3	25	4·9	35·2		
9·7		6·4	46·0		9·5
10·4		8·4	34·8		
9·1		8·4	41·8		9·4
9·6		9·4	1·0		9·8
9·6		10·4	10·7		
10·3		10·9	56·0		
10·3		17·8	57·4		
10·3		17·9	58·7		
8·8		18·4	37·7	a	9·2
9·8		18·9	45·7		
9·8		27·4	46·7		
9·6		31·4	7·9		9·4
10·0		35·4	21·6		
10·0		35·4	10·7		
9·2		37·9	0·2		9·1
10·3		50·9	44·2		
10·2		52·4	50·7		
10·3		52·4	39·5		
10·3		59·4	35·3		
10·1	26	3·9	19·0		
9·5		3·9	34·8		9·5
9·8		4·4	43·7		
8·1		10·4	50·5	9·0 a	8·5
10·4		14·4	54·0		
10·4		17·9	54·2		
9·6		19·4	37·2		
9·9		22·4	20·0		
9·9		29·4	35·9		
10·4		30·4	2·0		
9·0		31·9	17·2		9·2
9·0		39·4	39·2	a	8·3
10·3		40·4	59·5		
10·4		44·4	35·0		
9·4		44·9	30·9		9·8
10·3		46·4	9·7		
10·3		46·9	45·5		
9·1		49·4	12·8		9·4
9·6		49·4	7·2		10·
9·6		51·4	0·0		10·
	+ 1	3·9	−3·0		

2281—2340.

mag.	7h. m	s	−22° ′		
9.4	26	52.9	31.4		9.4
9.5		58.4	42.8		
8.6	27	1.4	34.1	a	8.7
10.0		4.9	6.3		9.7
10.4		7.4	15.0		
10.1		18.9	24.8		
10.2		20.4	42.5		
9.4		20.4	32.0	a	9.3
9.4		21.9	39.1		10.
10.3		22.4	47.1		
10.3		23.4	27.0		
9.4		24.2	41.2	a	9.3
9.9		26.2	25.0		
10.4		30.2	20.7		
10.4		30.4	55.2		
10.4		31.4	20.6		
9.8		34.2	25.9		
8.3		36.0	1.3	C	8.5
9.4		36.7	41.3		
9.5		39.9	30.6		9.8
10.4		40.7	25.0		
9.5		40.7	33.9		9.6
9.4		41.7	44.7		
9.9		44.4	1.3		
9.8		44.7	51.6		
9.8		46.2	54.0		9.8
10.3		50.4	30.3		
9.8		50.7	39.3		9.5
9.9		51.7	47.0		
10.1		51.9	12.9		
9.9		52.3	41.4		
8.8		54.0	1.7	C	8.7
9.3		54.2	46.9		9.6
9.2		54.7	55.5		9.8
10.4	28	0.6	23.4		
9.4		5.9	49.7		
8.9_		8.7	59.4	Ga	9.1
10.5		11.7	1.3		
9.2		13.7	34.6		
9.4		16.5	57.9		
9.1		20.5	26.1		9.7
10.1		21.5	12.8		
10.5		24.5	28.3		
9.5		27.0	7.6		9.9
9.9		29.5	38.3		
10.5		32.0	2.6		
10.3		32.5	8.5		
9.6		35.5	9.5		
10.2		35.5	51.2		
9.8		35.5	1.2		
9.8		37.0	43.3		9.4
5.5		41.7	1.7	Gbl	5.4
10.4		41.7	52.9		
10.4		42.2	38.1		
10.3		43.5	39.0		
8.9		44.0	24.5		9.4
9.9		45.5	18.6		
10.4		51.5	49.4		
10.3		52.0	16.6		
10.5		53.3	14.9		
25pr.	+1	4.0	−3.1		

2341—2400.

mag.	7h. m	s	−22° ′		
10.4	28	56.3	46.1		
10.5	29	0.1	19.3		
9.9		0.8	9.6		
10.5		8.3	27.7		
8.9		12.8	54.2		9.5
10.2		14.3	24.6		
9.4		15.3	23.0		9.5
9.8		15.8	34.1		
9.8		16.8	36.7		
8.8		17.8	29.3		9.5
9.6		17.8	46.5		
10.2		20.3	43.1		
10.5		20.3	2.1		
8.8		21.8	56.1	9.0 Ga	8.8
9.4		21.8	59.1		9.3
7.8		25.3	30.6	—	8.4
10.1		28.3	10.9		
8.8		35.3	25.7		9.3
9.2		37.8	49.0		9.6
9.9		38.1	30.7		
9.2		38.8	51.4		9.5
10.5		39.1	32.3		
10.4		41.1	51.5		
9.8		41.3	15.8		
9.2		41.8	22.6		9.5
9.8		48.3	55.0		
9.2		49.3	17.7		9.6
9.2		54.8	22.7		
9.8		55.8	28.6		
10.5		57.3	39.3		
10.2		57.3	37.9		
9.6	30	0.3	38.2		
9.4		0.3	24.9		
10.5		0.3	6.1		
9.4		5.3	14.9		9.9
9.6		10.8	44.4		
10.4		10.8	58.5		
10.4		12.3	48.2		
8.8		18.3	14.8		9.4
8.5		18.8	33.8	a	9.0
10.4		20.3	43.5		
10.4		20.8	12.2		
10.5		22.8	30.5		
10.1		24.8	44.1		
10.4		26.8	55.5		
9.4		27.8	36.1		
10.0		36.3	59.9		
9.6		36.6	2.4		
7.8		41.3	1.2	Ca	8.1
10.4		45.3	13.1		
10.4		45.8	27.7		
10.1		47.8	32.9		
10.4		54.8	5.1		
9.4	31	0.3	47.0		9.6
9.2		2.3	50.2		9.7
8.9		2.3	18.1		9.4
10.2		4.6	59.7		
9.9		5.3	6.9		
8.9		8.3	55.3		9.5
9.4		9.3	54.5		
	+1	4.0	−3.2		

2401—2460.

mag.	7h. m	s	−22° ′		
10.3	31	10.8	16.3		
9.8		16.3	17.5		
8.8		18.3	10.4		9.6
10.5		19.8	15.3		
9.8		21.3	34.2		
10.2		21.3	15.0		
10.2		21.3	10.3		
10.5		22.3	9.3		
9.4		28.8	8.2		
9.9		29.3	30.3		
9.8		32.3	14.7		
10.1		37.3	5.9		
9.8		38.3	27.5		
9.2		40.8	18.9		
9.6		52.3	38.4		
10.4		56.8	11.8		
9.6	32	0.8	31.0		9.5
10.4		1.3	52.5		
10.5		2.3	21.3		
9.9		5.3	3.3		
10.3		11.8	47.6		
9.5		12.3	37.0		9.8
9.8		16.3	9.0		
10.4		17.8	55.2		
10.4		19.8	8.5		
9.0		19.8	21.1		9.3
8.7		21.3	49.9		9.5
10.3		21.8	27.2		
9.2		22.8	19.3		9.9
9.4		26.8	49.9		
8.5		26.8	20.6	a	8.6
9.8		38.8	13.6		
10.4		40.3	36.6		
10.1		40.8	29.4	}	10.
9.6		41.8	29.2		
10.3		41.8	59.9		
10.5		42.8	7.0		
9.6		45.8	7.4		
9.8		47.3	52.0		
10.4		50.8	20.3		
10.1		51.3	12.5		
10.4		51.3	59.1		
10.1		56.3	29.7		
9.6		59.8	35.1		
10.2	33	1.3	28.8		
10.5		1.8	49.3		
10.5		2.3	43.8		
9.4		3.3	26.6		
10.1		4.8	27.2		
10.5		5.3	12.2		
9.8		5.8	34.8		
9.5		9.3	22.8		
10.1		11.3	23.0		
10.5		11.3	55.3		
10.4		16.3	36.7		
9.2		18.3	8.0	a	8.8
10.2		19.8	8.8		
10.4		20.8	6.6		
10.0		21.8	18.2		
9.8		23.3	53.1		
	+1	4.1	−3.3		

2461—2520.

mag.	7h. m	s	−22° ′		
9.8	33	24.3	50.9		
9.8		30.3	18.0		
10.5		31.1	57.6		
9.2		32.8	39.9		9.8
10.0		35.8	39.4		
10.4		36.8	48.7		
10.5		37.3	18.6		
10.4		39.3	47.3		
9.1		44.8	59.8		9.8
9.2		46.3	47.7		9.8
9.2		46.3	33.2		
8.7		46.3	26.7		9.3
8.9		47.3	24.7		9.5
9.2		51.3	32.9		
10.2		51.8	52.2		
8.5		53.3	31.3		
10.4		54.3	25.3		
9.4		56.8	34.1		
10.5	34	4.8	37.4		
9.4		4.8	48.9		
10.3		11.3	53.5		
10.5		12.8	46.8		
10.5		15.3	38.3		
10.1		18.3	5.6		
9.4		19.8	13.9		
9.4		21.3	32.8		
9.8		23.3	30.8		10.
9.1		26.3	52.3		10.
9.8		26.8	22.1		9.8
9.2		29.3	44.7		9.5
9.4		32.8	50.2		
9.2		34.3	13.6		
8.2		35.6	59.8	8.5 Ga	8.0
9.8		37.8	30.3		
10.3		39.6	57.6		
9.8		40.8	13.7		
9.6		41.3	47.9		
9.2		43.3	9.4		
10.3		45.8	35.3		
9.6		47.3	13.2		9.7
10.5		47.6	59.2		
10.1		49.3	8.9		
9.6		52.3	55.6		
10.4		56.3	51.0		
10.4		56.8	6.7		
10.3		59.8	32.0		
8.9	35	0.8	56.3		9.5
10.5		5.3	23.3		
9.8		7.0	48.2		
10.4		10.8	34.0		
8.9		11.8	1.5		9.3
9.9		11.8	48.8		
10.5		12.1	57.9		
10.4		12.8	19.3		
10.5		13.1	58.2		
9.1		14.3	6.4	a	9.1
9.2		14.8	10.3		9.7
10.4		17.3	22.5		
9.2		21.3	24.9		9.6
9.4		21.3	9.4		10.
	+1	4.2	−3.4		

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2521—2580.

mag.	7h. m	s	—22° ′		
10.1	35	22.3	34.2		
9.6		22.3	41.3		
9.9		27.8	43.9		
10.2		29.8	34.8		
10.5		30.8	46.8		
10.5		31.8	58.9		
8.7		32.3	7.8	a	8.9
9.8		35.3	4.0		
9.5		36.3	36.6		
10.5		37.0	29.5		
9.6		37.8	20.2		
9.2		39.3	40.9		10·
9.8		42.3	44.5		
9.2		44.8	24.7		9.5
9.4		48.3	21.2		9.6
9.8		51.3	25.1		
9.9		54.8	23.7		
10.5		54.8	48.9		
10.5		56.3	50.2		
9.2		57.3	42.0		10·
8.2	36	1.3	2.8	GCal	6.8
9.6		2.3	11.9		9.8
9.8		2.3	5.2		9.9
9.9		5.5	1.8		
9.8		10.3	35.3		
10.2		12.3	0.7		
9.6		15.3	55.8		10·
9.8		15.8	32.8		
9.8		19.1	58.7		
10.3		21.8	56.4		
9.9		22.3	24.1		
10.3		22.3	52.0		
7.8		23.8	6.8	GCbl	7.7
10.5		24.1	59.0		
9.8		26.3	3.9		
9.8		27.3	11.5		
9.2		27.3	33.0		
10.3		30.3	13.1		
9.2		34.8	33.2		9.8
10.0		36.3	0.5		
10.1		38.8	20.7		
9.2		40.8	4.1		9.5
9.8		43.3	35.8		
9.8		43.3	28.0		
9.8		47.3	23.8		
10.5		49.3	24.6		
10.5		51.8	22.7		
10.5		57.3	50.1		
9.6	37	2.3	37.6		
10.4		4.3	38.2		
10.4		9.8	49.7		
8.9		11.3	6.7	a	9.4
9.2		15.3	25.4		
10.5		15.8	10.7		
9.1		19.3	39.2		9.8
9.4		20.3	26.8		
10.4		21.3	15.7		
9.2		24.8	32.8		
10.5		29.3	33.9		
9.0		31.3	26.6	—	9.1
25pr.	+1	4.2	—3.4		

2581—2640.

mag.	7h. m	s	—22° ′		
9.9	37	35.8	20.8		
9.8		36.8	23.1		9.5
10.4		36.8	43.4		
9.9		38.8	35.5		
10.3		39.3	37.7		
10.3		40.0	40.0		
9.4		42.3	33.6		
9.8		44.8	16.9		
9.9		48.3	15.1		
9.2		53.8	5.2		9.5
9.0		54.0	54.8	9.0 b	9.0
8.8		54.8	49.9	9.5 b	9.0
10.5		55.8	35.3		
8.0		56.8	0.2	Cal	7.8
9.2		57.3	14.6		
9.8		58.8	11.9		
9.6		59.3	54.2		
9.2	38	3.8	54.8		10·
9.9		4.3	30.9		
10.5		6.8	23.0		
9.0		7.3	9.3		9.3
9.6		11.3	13.2		
9.8		16.3	15.7		
10.3		17.3	45.4		
9.8		17.3	36.2		
10.2		19.8	51.8		
9.1		20.3	14.0		9.6
9.6		21.8	28.6		
10.2		24.8	3.3		
9.9		26.3	12.3		
10.4		30.3	49.4		
8.9		32.3	36.8		9.5
10.5		32.3	39.8		
9.9		36.1	59.6		
10.4		39.3	46.9		
10.5		39.8	47.4		
8.8		42.8	29.7		9.2
10.2		46.3	38.6		
9.2		47.3	1.0		9.8
9.8		47.3	8.2		
10.2		49.3	39.8		
10.5		51.8	13.5		
10.5		54.3	12.3		
10.0		54.8	8.7		
10.5		56.3	54.3		
10.3	39	1.3	53.5		
9.4		7.3	52.0		9.8
9.6		7.8	2.9		9.2
10.5		8.3	56.1		
9.8		11.8	39.9		
10.4		13.3	12.8		
9.2		17.8	33.0		9.4
9.8		19.3	44.1		
9.2		20.3	29.4		
10.5		20.3	45.1		
9.5		22.3	54.9		
9.8		22.3	18.6		
9.6		28.8	33.6		
9.6		29.8	7.9		
10.2		31.3	13.2		
	+1	4.2	—3.5		

2641—2700.

mag.	7h. m	s	—22° ′		
10.1	39	31.3	18.7		
10.0		32.3	13.9		
10.4		36.3	15.3		
10.3		39.3	18.7		
10.5		39.8	8.7		
9.4		40.3	3.1		
9.2		40.8	32.4		9.5
10.5		41.3	9.1		
8.5		46.3	20.2		9.0
9.2		47.3	53.4		9.2
10.3		47.3	6.2		
10.4		51.3	25.7		
9.0		54.3	16.9		8.7
9.4		54.8	6.5		10·
10.5		56.2	16.7		
9.2		59.3	26.0		9.8
10.3		59.3	50.0		
9.4		59.3	15.0		9.8
8.7	40	2.3	1.2	a	8.9
10.3		6.8	8.3		
9.8		9.8	52.6		
10.1		12.3	28.5		
9.9		13.3	27.4		
10.3		18.3	8.2		
9.8		20.3	46.1		
10.4		21.3	9.5		
9.0		26.3	47.9		9.6
9.2		31.8	43.2		9.0
10.5		37.3	55.1		
10.4		39.8	2.2		
9.2		40.3	19.0		8.9
7.4		41.1	57.4	8.0 Gbl	8.2
9.4		43.8	56.0		
7.7		44.3	50.2	7.5 Gbl	7.7
9.9		44.8	12.0		
9.8		50.3	7.3		
9.8		50.3	58.0		
10.4		51.3	54.3		
9.8		54.8	20.0		
10.5		55.3	31.0		
10.3		56.3	30.4		
10.5	41	0.3	18.2		
9.2		9.3	44.7		9.7
10.4		13.8	15.8		
9.9		14.6	56.5		
9.8		14.8	1.2		
10.4		16.3	13.0		
10.1		17.3	24.5		
10.4		17.8	32.0		
9.8		20.3	33.4		
8.9		21.3	38.5		9.4
9.6		21.3	54.6		9.8
9.2		21.3	40.9		
9.9		21.3	55.5		
10.4		22.3	29.0		
9.9		22.3	55.0		
8.9		24.8	41.2		
10.4		25.8	9.9		
10.5		26.8	22.0		
9.8		26.8	40.0		
	+1	4.3	—3.6		

2701—2760.

mag.	7h. m	s	—22° ′		
8.7	41	28.3	53.6	8.5 Gal	8.5
9.2		30.3	16.4		9.3
9.6		32.3	23.4		
10.5		35.8	41.9		
9.2		39.3	45.2		9.5
10.4		41.8	58.6		
9.2		43.8	7.8		9.4
10.2		44.3	9.6		9.4
10.0		50.3	46.0		
5.8		50.3	12.8	GSk–	6.3
9.8		57.3	58.6	}	9.8
10.3		58.6	58.7		
10.0		58.8	47.6		
10.1		58.8	12.3		
10.2	42	2.3	14.1		
9.6		6.3	15.4		9.8
10.5		8.2	15.7		
9.6		15.3	18.1		9.6
9.8		18.3	33.5		
10.1		26.3	31.2		
9.8		31.3	44.5		
9.6		31.3	48.0		9.5
9.8		38.8	14.8		
9.4		39.3	16.9		
10.4		40.8	32.7		
8.3		41.8	2.4	C–	8.5
10.4		44.1	58.3		
10.4		44.3	41.2		
10.4		46.8	47.5		
9.8		50.3	40.6		
9.8		54.8	11.5		9.7
10.5		59.3	2.1		
9.8		59.8	29.9		
9.6	43	1.3	15.3		
10.5		2.3	3.1		
9.9		2.8	43.5		
9.8		5.3	3.4		
9.8		8.2	13.3		
10.3		9.2	42.2		
9.6		9.8	21.5		9.3
10.5		11.3	29.0		
9.6		11.8	36.0		9.6
10.2		13.8	58.0		
9.8		14.8	33.2		
10.1		16.3	15.5		
9.2		21.3	47.0		
10.3		24.3	53.0		
9.2		26.3	26.4		9.5
9.2		28.8	49.2		9.7
10.2		31.3	36.7		
9.8		32.8	33.2		
9.2		32.8	55.1		
10.2		34.3	36.1		
10.3		36.3	57.7		
9.8		37.3	34.9		
10.5		39.3	9.5		
10.2		45.3	4.3		
9.9		46.8	52.8		
10.2		47.3	16.5		
10.0		48.9	32.6	}	9.8
	+1	4.4	—3.6		

SO 11705.

2761—2820.

mag.	7h. m	s	—22° ′		
10·5	43	49·9	32·6	}	
9·2		50·8	6·9		9·5
10·4		57·3	46·0		
9·8		58·8	43·4		
8·9		59·8	15·0	Ca	8·3
10·5	44	6·3	6·0		
10·4		7·6	0·1		
9·0		7·8	34·6		9·4
10·5		8·3	5·5		
9·8		13·3	21·5		
8·9		21·3	3·3		9·3
10·2		22·3	51·1		
10·3		29·3	39·5		
9·4		35·3	56·4		10·
10·4		37·3	39·5		
9·0		37·8	31·8		9·1
9·2		39·8	50·8		9·5
9·8		41·3	31·3		
9·8		42·8	5·6		
10·1		44·8	33·3		
9·2		49·3	51·0	9·5 a	9·1
10·4		49·3	51·4		
10·2		50·3	39·0		
9·6		52·3	10·4		
9·4		55·3	19·6		9·5
9·6		56·3	26·0		
10·5		57·3	48·6		
10·2	45	0·9	28·4		
9·5		1·3	19·1		
9·6		1·3	13·4		
9·2		10·3	35·1		9·3
9·5		11·8	46·6		
10·2		11·8	42·2		
8·9		12·3	12·2		8·9
9·8		22·3	23·3		
9·2		22·3	51·4	9·5 a	9·1
9·8		27·8	24·8		
10·5		39·8	51·3		
10·3		41·8	10·5		
10·1		48·8	50·8		
9·2		49·3	51·5		10·
9·9		50·3	53·2		9·5
10·3		50·8	0·1		10·
8·5		52·3	42·9	al	8·5
10·0		54·3	37·5		
9·2		56·3	12·4	a	9·0
10·3		58·3	24·9		
8·5		58·8	54·5	9·0 Ga	9·0
10·3		59·3	42·2		
9·6	46	2·3	35·3		
10·5		4·3	38·0		
10·4		15·3	22·8		
9·2		16·3	44·2	a	9·0
10·2		16·8	46·7		
10·4		17·3	4·8		
9·2		21·3	13·8		
10·1		26·3	51·5		
9·2		26·8	39·3		9·5
10·2		28·8	44·1		
10·1		30·3	0·0		
25pr.	+ 1	4·4	—3·7		

2821—2880.

mag.	7h. m	s	—22° ′		
10·2	46	35·3	15·6		
10·3		38·3	24·6		
10·0		45·6	57·5		
10·2		45·8	55·0		
10·3		47·9	56·9		
10·1		51·3	13·2		
10·0		52·3	11·2		
9·8		53·8	52·3		
9·2		53·8	14·0		9·8
9·8	47	1·3	37·4		
9·2		5·0	58·6		9·6
10·4		6·3	53·2		
10·4		9·3	52·1		
9·0		13·3	22·0	a	8·7
10·0		19·1	43·6		
10·1		19·1	45·2		
10·4		20·3	54·0		
10·3		21·5	38·0		
10·2		24·1	19·2		
9·6		28·4	5·4		
9·8		28·4	4·8		9·7
10·1		30·1	7·4		
10·5		33·3	55·0		
10·0		37·1	37·5		
8·9		39·8	2·7		9·3
9·8		43·1	25·6		9·8
10·5		45·3	17·8		
10·4		47·1	31·0		
9·2		47·1	49·0	9·5 a	9·1
9·8		50·1	58·1		
9·2		52·6	46·1		9·5
10·5		57·3	26·6		
10·5	48	1·3	7·4		
10·4		2·1	59·7	}	9·5
9·6		2·8	59·9		
10·4		7·8	16·2		
10·5		10·1	55·0		
10·1		13·1	30·6		
10·0		14·6	35·0		
7·1		17·8	59·4	7·5 Gal	7·4
7·5		19·3	51·8	7·5 Gbl	7·5
10·0		20·3	35·8		
10·4		28·1	34·6		
10·4–		30·3	29·0		
9·4		32·9	44·0		9·8
9·6		36·4	32·7		
10·0		37·3	11·2		9·5
10·2		37·4	8·0		9·7
10·4		38·4	5·8		
9·2		43·9	11·8		9·4
9·8		44·2	0·8		
9·8		45·9	41·3		
9·8		50·4	16·2		
9·8		52·4	28·7		
10·1		52·4	43·6		
10·1		57·6	57·2		9·4
9·3		57·9	0·2		9·5
9·7	49	0·9	48·1		
10·0		3·4	15·4		
9·8		4·9	12·7		
	+ 1	4·5	—3·8		

2881—2940.

mag.	7h. m	s	—22° ′		
10·4	49	19·9	8·6		
10·4		23·4	24·0		
10·2		32·9	39·8		
9·6		32·9	12·1		9·8
9·0		37·4	32·7		9·2
10·0		41·9	42·4		
9·6		42·9	20·1		
9·3		43·9	43·9		
10·0		45·9	21·3		
10·4		45·9	14·2		
9·8		52·4	38·9	:	
9·2		53·9	39·8		9·0
8·2		56·4	46·9		9·0
10·1		57·4	42·1		
9·3		57·6	0·3		
10·4		58·4	49·7		
10·4		59·9	10·0		
9·6	50	2·9	8·5		9·6
9·2		2·9	55·3		9·5
10·2		5·4	42·3		
9·4		8·9	8·5		9·4
9·8		11·9	13·3		
9·9		12·4	18·7		
9·8		13·4	39·3		
10·0		16·4	28·3		
10·2		20·9	10·4		
10·1		27·4	45·4		
9·3		27·6	1·7		9·3
9·6		31·4	34·2		
10·4		33·9	40·1		
10·0		36·9	12·3		9·8
9·3		38·4	53·5		
8·8		40·9	40·6	a	9·0
9·9		44·6	57·2		
9·0		47·9	13·4	–	8·8
10·2		48·9	0·1		
10·4		49·4	18·3		
9·8		51·9	10·2		9·4
10·1		56·4	32·6		
9·8		58·6	58·9		
10·2	51	0·4	58·3		
10·4		3·9	12·6		
9·9		5·4	5·0		
9·6		6·4	34·9		
7·8		8·4	40·3	Gatlπ	8·0
10·4		8·9	47·4		
8·8		15·9	25·3		9·3
9·9		19·9	15·2		
10·2		20·9	10·6		9·7
10·4		26·9	50·0		
5·8		29·9	32·9	GSlπβ	4·3
9·7		33·4	28·9		
8·8		33·9	29·5	a	9·1
9·8		35·9	53·4		
10·4		36·3	59·8		
10·4		36·4	31·2		
10·4		40·4	50·7		
9·0		43·9	33·1	a	9·3
9·3		48·9	7·9	C–	8·8
10·4		52·4	12·6		
	+ 1	4·5	—3·9		

2941—3000.

mag.	7h. m	s	—22° ′		
9·8	51	52·9	1·0		
10·4		52·9	56·9		
9·2		52·9	53·6		
10·2		56·4	45·2		
9·7	52	0·9	40·5		9·6
9·1		1·9	44·9		9·8
9·2		3·4	27·6		9·8
10·1		7·4	46·5		
10·2		7·9	22·3		
10·4		8·4	32·5		
9·3		12·4	25·9		9·8
10·0		13·9	16·5		
10·4		17·4	39·8		
10·4		18·4	45·1		
10·2		20·4	48·4		
10·1		21·9	23·2		9·5
10·4		27·9	34·8		
9·3		29·9	49·9		
10·0		33·4	19·8		
10·2		38·9	44·1		
9·0		40·9	24·5	a	9·0
10·0		42·4	7·6		
9·8		42·4	13·1		
8·6		46·9	38·2	a	9·1
10·4		52·4	28·1		
9·6		52·9	53·0		9·8
8·4		53·4	40·3	al	8·7
10·2		53·4	25·7		
10·4		55·9	7·4		
10·0	53	2·9	41·5		
9·8		3·4	19·9		
10·1		4·9	21·3		
8·8		12·4	51·8		9·3
9·8		19·4	37·4		
10·4		24·4	24·7		
10·2		25·9	43·5		
9·9		27·9	40·5		10·
10·2		31·6	1·9		
8·8		31·9	37·2	a	9·1
9·7		40·4	54·4		
9·3		41·9	49·5		9·8
7·2		44·1	58·4	6·0 GSπβ	6·2
10·4		47·9	53·3		
10·5		48·4	44·9		
9·4		50·4	35·8		9·9
10·2		50·4	56·3		
9·6		53·9	32·0		9·6
9·4	54	0·9	31·9	a	9·6
10·4		1·9	13·8		
10·4		6·4	32·7		
9·8		12·9	6·5		
10·4		16·4	48·9		
10·4		20·4	33·9		
10·2		22·4	57·8		
9·4		26·4	32·2	a	9·2
9·2		31·9	41·3		9·5
9·8		36·9	50·7		
9·7		48·9	49·4		9·9
10·1		51·4	33·4		
9·4	–	56·4	41·1		10·
	+ 1	4·6	—4·0		

3001—3060.

mag.	7h. m	s	−22° ′		mag.
10·4	55	3·4	43·6		
9·6		4·9	39·8		
9·8		6·4	29·1		
9·6		12·7	59·7		9·8
8·5		13·4	31·0	a	9·1
9·0		14·4	47·1		9·5
9·8		16·9	25·2		9·9
9·6		22·4	4·9		10·
10·4		23·9	22·6		
10·4		27·9	12·8		
10·0		29·9	22·0		
9·9		32·4	54·2		
9·7		33·9	1·8		9·3
10·2		33·9	6·2		
9·1		36·9	5·2		9·3
9·8		36·9	9·7		9·5
10·4		38·9	37·4		
8·8		42·7	8·1		9·2
10·4		49·7	6·6		
9·7		50·7	52·1		
10·1		51·2	33·8		
10·1		53·7	57·2		
10·0		58·7	56·6		
10·0	56	2·2	54·9		
9·8		2·7	40·7		
10·4		7·2	8·1		
10·4		7·7	15·1		
10·2		9·7	37·6		
9·6		12·7	6·9		
8·8		16·2	52·9	8·8	9·0
10·4		23·6	38·1		
8·8		25·2	33·7		9·6
10·4		26·7	34·5		
9·6		28·7	34·9		9·7
10·1		32·7	41·1		
9·4		38·7	2·6		9·5
10·4		39·7	43·4		
10·4		43·2	27·9		
9·2		50·2	52·6		9·5
10·1		50·2	47·3		
10·2		52·2	48·7		
10·4		52·7	35·6		
9·9	57	2·7	10·8		9·6
10·1		3·6	42·4		
9·7		6·2	27·1		
9·7		7·9	57·4		
10·4		14·2	23·6		
10·4		16·2	28·1		
10·4		16·2	15·1		
10·2		17·7	46·4		
9·1		22·7	12·5		9·5
10·0		23·7	31·7		
10·0		27·2	33·9		
9·0		27·7	20·5		9·1
9·2		32·2	34·3		9·8
10·2		35·7	4·1		
9·6		38·6	7·4		
9·6		40·6	25·9		10·
9·4		44·1	29·1		9·8
8·8		54·4	58·2		9·1
25pr.	+1	47	−4·1		

3061—3120.

mag.	7h.–8h. m	s	−22° ′		mag.
9·8	57	56·1	54·6		
10·4		59·1	43·4		
10·4		59·1	57·4		
10·2		59·1	4·1		
10·1	58	6·1	36·3		
10·4		8·1	35·3		
9·2		9·1	23·0	a	9·4
10·2		12·6	21·4		
9·8		13·6	18·6		9·5
10·2		20·1	16·8		
8·2		25·6	20·8	a	8·6
10·0		26·3	0·5		
10·2		29·1	29·1		
9·6		32·1	13·6		9·8
10·2		33·1	9·1		
10·4		34·1	23·6		
10·4		50·1	32·5		
9·0		50·6	11·1		9·3
10·4		54·1	26·3		
10·4		58·6	31·1		
9·4	59	0·1	39·1		
10·4		0·6	24·7		
10·1		2·6	1·4		
10·4		7·6	57·6		
8·8		11·1	28·0	a	9·1
10·2		13·6	55·6		
9·6		16·1	7·5		9·5
9·1		18·6	28·6		9·8
10·4		23·3	21·2		
9·3		23·6	40·6		
9·6		30·1	47·8		10·
10·2		32·1	55·2		
8·3		36·1	4·8	Cal	7·8
9·3		36·3	2·2		9·3
10·2		42·1	21·3		
9·2		43·6	52·5	9·0	9·2
10·2		44·6	40·0		
9·6		48·6	20·7	a	9·2
10·2		49·1	4·0		
10·4		52·1	37·6		
9·1		53·6	36·9		9·5
9·2		56·1	57·5		9·5
9·8		58·6	52·0		
10·4	0	0·6	17·0		
9·6		3·6	1·6		10·
10·4		9·6	50·9		
10·0		15·6	27·2		
10·2		22·1	22·1		
10·2		22·6	14·0		
10·0		30·1	14·4		10·
10·2		35·1	44·9		
9·0		42·1	49·0		9·0
9·7		43·1	30·9		9·4
10·4		43·6	50·5		
10·2		47·1	0·7		
10·4		47·6	16·7		
9·6		48·1	23·0		
9·4		50·1	43·9		
8·8		51·6	30·2		9·3
10·0		56·1	0·7		
	+1	4·8	−4·1		

3121—3180.

mag.	8h. m	s	−22° ′		mag.
10·4	0	57·6	9·9		
10·4		57·6	27·5		
10·2	1	3·1	44·7		
9·6		5·1	39·0		10·
10·4		6·7	46·6		
8·6		11·2	39·3	a	8·9
8·6		12·2	0·8	a	9·0
8·8		12·7	25·4	a	8·7
9·8		26·2	47·6		
9·4		26·2	13·1		10·
9·4		27·7	6·3	a	9·3
9·6		28·2	51·6		
10·2		28·2	13·5		
9·6		29·7	50·4		
9·2		32·2	28·8		9·7
9·6		36·7	51·7		
9·7		43·2	31·0		
9·0		45·5	0·3		9·5
9·6		50·7	47·7		
9·7		52·2	19·2		9·7
9·4		52·2	52·3		9·5
9·8		59·7	14·1		
9·7	2	5·7	33·1	a	8·6
10·4		13·2	3·2		
10·1		13·7	24·5		
10·3		16·2	50·1		
10·4		23·7	52·9		
10·2		24·2	33·2		
8·8		32·7	18·3		9·1
10·2		37·2	32·7		
10·4		45·7	8·0		
9·8		48·7	20·5		
10·4		53·7	13·2		
10·0		56·2	46·2		
9·4	3	5·7	2·1	C	9·0
10·2		11·7	37·4		
10·2		16·2	14·3		
10·1		22·2	10·2		
9·3		27·7	59·1		9·5
9·8		30·2	24·4		
9·7		37·7	5·1		
9·6		38·2	26·9		9·3
9·0		40·2	32·1		9·5
10·4		41·7	15·2		
9·4		42·2	49·6		9·1
10·4		43·2	28·6		
9·3		45·7	13·8		9·4
10·1		54·2	58·2		9·5
10·4		59·2	19·9		
10·4	4	1·7	39·3		
9·4		3·7	48·8		10·
10·1		6·7	14·9		
10·1		16·2	24·6		
8·8		18·7	13·0		9·1
9·0		19·7	26·8	bl	8·5
10·2		27·7	23·8		
10·1		34·7	15·1		
9·6		42·7	0·2		9·4
10·4		42·7	18·3		
9·6		46·2	25·0		
	+1	4·9	−4·3		

3181—3240.

mag.	8h. m	s	−22° ′		mag.
10·2	4	46·2	54·7		
7·8		50·7	9·9	GCb−l	7·3
10·0		52·7	51·0		
9·4		55·7	40·8		9·5
9·7		57·2	46·8		
8·8		57·7	30·2	bl	8·7
8·8		57·7	28·8	b	9·1
9·8	5	3·7	25·0		
9·9		13·7	8·1		
9·4		19·2	2·1		9·8
10·4		22·2	30·9		
10·1		23·2	32·5		
9·6		29·3	56·8		
8·6		30·6	31·1		8·7
10·2		42·6	44·3		
10·0		44·1	4·5		
10·2		45·1	22·9		
10·2		46·1	39·3		
9·8		46·6	27·1		9·8
10·4		53·6	47·3		
10·4		57·1	37·3		
10·4		57·6	26·5		
9·0	6	3·6	46·5	}	9·1
9·4		4·1	46·9	}	
10·2		9·1	2·7		
9·6		10·6	22·5		9·5
9·8		17·6	5·5		
9·9		20·3	1·5		9·8
9·2		22·6	49·7		9·5
10·4		26·1	43·0		
9·3		31·6	17·5		9·7
9·7		37·6	11·1		
10·4		50·1	37·3		
10·4		52·1	43·5		
10·4	7	2·6	35·1		
10·1		4·6	29·5		
9·4		6·6	9·3		9·5
9·8		17·6	21·1		
9·2		20·6	39·5		9·5
10·1		21·1	16·5		
8·8		22·8	38·3		9·3
10·4		23·7	9·0		
10·4		24·3	3·1		
10·4		25·5	21·3		
10·4		31·3	54·5		
10·0		31·5	51·2		
9·6		39·0	2·8		
10·2		39·8	9·0		
9·9		39·8	57·9		
9·2		40·3	16·1	}	9·2
9·2		40·8	16·9	}	
9·4		41·5	50·3		9·8
10·4		42·5	22·9		
10·0		43·5	0·0		·
9·3		44·3	30·1		
9·4		45·3	50·1		9·4
10·4		45·5	7·0		
9·3		46·0	19·9		9·4
8·1		46·5	1·4	a	8·6
9·2		48·8	21·7		9·3
	+1	5·0	−4·4		

3241—3300.

mag.	8h. m	s	−22° ′		
10·0	7	50·5	59·9		
10·1		50·8	44·1		
10·4	8	6·3	53·0		
10·4		13·5	23·3		
10·4		16·3	47·6		
9·2		17·3	21·1		9·9
10·4		21·3	34·3		
10·1		21·5	58·2		
9·6		21·7	57·2		
9·6		21·8	53·0		
8·4		24·0	1·6	a	9·1
9·8		26·3	24·3		
9·8		27·5	41·1		
9·0		32·5	28·0		9·3
10·4		33·3	48·9		
10·4		36·3	36·6		
9·3		37·5	18·1		9·4
9·6		39·0	36·6		
9·8		41·0	49·1		
10·2		43·0	7·2		
10·4		43·5	30·7		
10·0		43·5	26·3		
10·4		46·1	59·0		
10·4		48·5	31·6		
9·8		49·5	45·0		
10·4		51·5	28·7		
10·4		53·5	51·1		
8·6		54·0	45·9		9·1
10·1		55·3	34·2		
9·3		56·5	18·2		
9·3	9	2·5	7·3		9·4
9·5		12·0	50·5		
9·2		15·0	29·8		
9·8		19·5	30·5		
10·4		19·5	22·5		9·8
10·4		21·5	22·9		
10·4		23·5	43·2		
9·6		26·5	52·4		
9·9		32·0	45·5		
10·2		33·5	11·7		
10·1		34·0	2·4		9·7
9·0		37·0	20·4		9·6
10·4		37·0	13·5		
10·4		39·3	42·8		
10·4		40·0	58·6		
9·3		45·5	10·2		9·2
10·1		52·0	46·1		
9·9		52·3	13·6		
10·4	10	0·0	18·3		
10·4		5·0	46·6		
10·1		5·5	14·4		
10·2		5·5	15·7		
10·1		7·5	45·8		
9·4		7·5	46·5		9·4
10·4		13·3	53·9		
9·2		13·5	47·2		
9·4		17·0	43·5		9·8
10·4		20·5	48·0		
10·1		24·0	48·8		
9·6		27·5	27·4		
25pr.	+1	5·1	−4·5		

3301—3360.

mag.	8h. m	s	−22° ′		
8·8	10	28·0	45·2		9·2
10·4		30·0	35·4		
9·6		30·0	54·1		
9·8		31·5	40·7		10·
9·3		32·5	49·5		9·7
9·6		33·5	3·4		
10·4		35·5	34·9		
9·6		39·5	14·0		
10·1		41·3	5·0		} 9·1
8·8		41·5	4·8		}
9·9		42·0	26·3		
10·4		43·5	55·4		
9·3		46·0	35·0		
9·8		46·5	23·7		9·8
10·1		58·5	39·5		
10·4	11	1·5	39·3		
10·4		6·0	35·8		
9·3		24·0	21·1		9·7
9·6		25·5	23·6		10·
9·3		31·0	22·2		
9·0		31·5	49·3		9·7
9·4		32·2	1·4		9·5
10·4		32·5	42·6		
9·0		33·5	53·7		9·4
10·4		35·0	42·2		
9·5		35·4	4·2		
9·3		35·5	25·9		
9·4		36·0	41·1		
10·0		37·0	4·8		
10·2		39·5	29·7		
9·3		41·5	18·1		10·
9·0		42·5	15·9		9·7
10·4		53·0	32·9		
9·2		57·0	30·[illegible]		9·3
9·3	12	0·5	17·0		9·6
9·4		1·7	1·0		
9·6		3·5	37·3		
9·4		4·0	0·6		9·6
10·4		4·5	34·3		
10·0		5·5	38·8		
9·6		8·0	42·8		
10·4		11·5	56·4		
10·4		12·0	10·5		
10·0		13·0	35·0		
8·6		15·5	17·4		9·1
10·4		15·5	27·1		
10·4		19·0	55·5		
10·0		21·0	51·7		
9·6		22·0	17·9		9·2
10·4		23·5	13·3		
10·2		26·5	52·3		
9·9		27·7	59·6		
9·3		28·0	29·1		9·5
10·4		31·0	12·9		} 9·8
10·4		32·0	13·1		}
10·4		32·0	43·5		
10·4		35·5	58·0		
8·6		45·0	50·6	a	8·2
9·6		47·0	43·6		
10·4		47·3	22·9		
	+1	5·2	−4·6		

3361—3420.

mag.	8h. m	s	−22° ′		
9·2	12	53·8	3·1		9·5
10·4		55·5	36·5		
9·3	13	2·5	1·9		
10·2		2·5	0·6		
9·2		6·5	26·0	a	9·2
9·3		9·0	23·2		9·5
9·6		9·0	42·7		
9·4		10·0	44·1		
10·2		11·3	10·9		
9·5		11·5	56·5		
10·4		15·3	32·5		
9·4		18·5	9·9		9·5
8·8		29·0	47·2		9·5
9·8		30·0	3·9		
10·0		31·0	42·9		
9·9		35·0	31·4		
9·2		40·0	15·4		9·5
10·4		44·5	8·5		
10·4		45·3	33·4		
9·3		45·5	38·0		9·4
9·3		47·0	36·8		
8·8		55·0	29·2	a	9·1
10·2	14	6·3	41·7		
9·0		7·0	59·0		9·0
10·4		9·0	17·0		
10·2		9·5	56·0		
9·8		11·5	29·3		
9·5		14·0	31·8		
9·6		20·0	26·9		
10·2		22·0	6·6		
10·4		23·3	19·5		
10·4		27·5	20·7		
10·4		30·5	45·6		
9·9		32·0	48·4		
9·3		38·5	47·1		9·5
10·0		41·0	45·5	?	
10·4		42·5	21·3		
7·6		45·2	58·0	Gbl	8·0
10·4		48·0	14·9		
9·9		52·0	43·7		
10·4		56·5	23·7		
10·2		59·0	4·7		
8·6	15	0·0	30·6		9·0
7·8		1·5	31·8	G	6·3
9·6		1·5	57·4		
9·6		21·0	43·4		
10·0		23·5	29·6		
9·3		24·5	50·3		
8·0		27·5	3·3	Ca	8·2
9·9		31·5	10·6		
10·4		33·5	20·2		
9·8		34·8	56·5		
9·2		35·5	32·3		9·8
9·2		38·0	17·9		9·8
9·5		38·0	34·2		9·8
9·4		41·7	59·4		9·5
10·4		43·0	30·0		
10·4		44·0	43·8		
10·0		51·5	42·8		
10·4		56·5	0·9		
	+1	5·3	−4·6		

3421—3480.

mag.	8h. m	s	−22° ′		
10·4	16	2·5	9·5		
10·1		6·7	18·9		
9·3		7·7	55·9		9·3
10·4		12·7	39·6		
10·4		14·2	20·5		
10·4		19·2	32·1		
9·0		23·7	35·8		9·5
10·0		35·2	34·5		
9·0		37·7	4·7		9·8
9·4		45·7	52·9		
9·3		51·7	18·0		9·5
10·4		52·7	39·3		
9·3		52·7	5·6		
9·4		55·7	3·3		
10·4		57·7	36·6		
9·5	17	1·7	29·8		
9·3		1·7	41·5		9·5
9·3		2·2	3·2		9·7
10·1		9·7	3·7		
10·4		17·7	45·1		
10·4		25·2	40·0		
9·6		25·3	59·4		
9·5		29·7	45·4		
10·2		29·7	33·2		
9·6		30·2	8·4		
9·6		31·7	30·1		9·9
10·2		32·7	19·3		
10·4		34·7	44·6		
10·4		38·2	21·0		9·6
9·6		39·8	20·5		
9·8		40·2	45·7		
10·0		42·2	22·7		10·
10·4		45·2	35·0		
8·8		46·7	4·3		9·0
9·8		49·7	29·4		
9·4		54·7	43·2		10·
9·3		55·7	26·0		9·1
10·4	18	11·7	5·4		
9·3		12·0	56·7		9·8
9·4		13·7	34·5		
9·8		43·7	1·1		
10·1		44·7	56·0		
9·3		49·7	20·2		9·3
8·6		58·7	28·3		9·0
9·8		59·7	48·2		
10·4	19	1·2	12·6		
9·3		2·7	20·3		9·9
10·1		5·7	22·2		9·8
9·6		7·7	18·1		9·3
10·4		10·2	26·7		
9·4		12·2	35·6		9·8
10·0		23·7	46·9		
9·6		25·2	31·2		
10·4		26·7	30·5		
10·4		27·7	5·7		
5·5		29·2	44·9	G	6·2
9·4		30·2	28·6		9·3
10·2		32·2	36·3		
10·4		32·7	49·6		
10·2		35·7	16·0		
	+1	5·4	−4·7		

3481—3540.

mag.	8h. m s	−22° ′		
10·4	19 40·7	23·5		
10·4	46·7	23·5		
9·8	46·7	39·7		
9·8	48·7	40·8		9·8
10·4	48·7	52·6		
10·2	51·2	21·8		
9·8	52·7	22·3		
10·0	53·7	29·6		
10·4	54·7	19·3		
10·2	20 5·7	9·5		
10·4	6·7	20·6		
10·4	12·2	44·1		
10·4	12·7	14·0		
8·4	25·7	18·3		9·0
9·2	30·9	2·2		9·5
9·2	33·7	11·0		9·3
9·3	34·2	22·4		9·5
9·4	38·7	24·8		
8·6	45·7	39·5		8·8
10·0	50·2	46·0		
10·4	51·7	44·0		
10·0	53·2	30·2		10·
9·5	54·2	16·8		9·5
10·4	57·7	37·2		
10·2	21 4·7	34·6		
10·4	5·7	36·0		
9·9	5·7	50·7		
9·6	5·7	39·2		
9·0	6·2	40·9	}	9·0
8·8	7·2	40·5		
10·0	9·2	24·6		
10·4	9·7	48·5		
10·2	9·7	38·9		
10·1	9·7	16·4		
10·2	11·7	55·3		
9·2	14·7	45·4		9·1
10·4	15·7	32·6		
9·0	16·2	27·3		9·5
9·4	19·2	36·2		9·8
10·2	20·2	10·9		
9·3	25·2	28·3		9·6
7·5	32·7	50·6	Gal	7·7
10·4	32·7	7·9		
9·2	35·7	37·1		9·5
10·1	37·7	12·1		
8·8	37·9	2·4	C	9·0
9·5	39·7	10·2		
9·9	41·7	18·8		
9·9	44·2	0·7		
10·4	56·2	56·1		
10·4	58·7	9·5		
9·2	59·7	0·3		9·1
10·2	59·7	15·3		
10·2	22 0·2	51·7		
10·2	10·7	59·8		
10·4	10·7	3·3		
10·4	21·7	53·8		
9·6	21·7	5·7		
9·6	23·7	53·1		
10·4	28·7	45·6		
25pr.	+ 1 5·5	−4·8		

3541—3600.

mag.	8h. m s	−22° ′		
10·0	22 29·7	17·5		9·8
10·4	29·7	33·8		
8·8	36·7	21·1		9·3
9·6	40·2	22·8		9·5
10·4	41·2	58·9		
10·4	41·5	52·5		
10·4	42·2	6·4		
9·2	45·7	48·0		9·5
9·4	46·2	34·5		
9·3	48·7	34·1		9·0
9·6	48·7	50·8		10·
9·6	49·7	56·2		9·4
10·4	58·7	22·8		
10·4	23 0·2	13·2		
6·5	8·7	39·4	Gal	7·0
8·4	11·7	15·3		8·5
9·0	14·2	25·1		9·4
9·2	14·7	6·9		9·6
10·4	17·2	52·8		
9·6	17·7	57·4		9·8
9·2	27·7	7·6		9·4
10·4	32·2	21·5		
10·4	37·2	11·7		
10·4	38·7	29·0		
10·2	41·7	24·2		
10·4	42·2	50·0		
10·4	42·7	27·0		
9·2	50·7	38·1		9·5
9·4	50·7	56·0		
9·6	51·2	53·5		9·8
9·3	52·7	3·5		9·8
9·3	24 0·2	56·1		9·5
8·8	0·7	35·6		9·4
10·2	3·2	46·1		
9·0	7·2	47·7		9·5
8·5	13·7	38·7	a	9·1
9·6	13·7	17·8		
9·8	14·7	7·9		9·6
10·2	15·7	40·7		
9·5	22·7	9·7		
9·4	25·7	12·6		9·5
9·8	28·7	40·4		
9·3	29·7	31·2		
10·0	35·2	59·0		
10·4	42·2	14·7		
9·8	47·7	39·5		
9·3	53·7	21·9	a	9·2
9·4	53·7	1·9		9·2
9·3	25 9·2	41·5		
10·0	12·5	0·0		
10·2	13·2	32·8		
10·0	13·7	3·4		9·7
9·4	17·2	26·6		
9·4	19·7	44·3		
9·8	25·7	5·5		9·6
9·5	31·2	31·1		
10·4	33·2	19·1		
9·4	37·2	29·9		9·5
10·1	40·7	16·2		
10·2	43·2	7·4		
	+ 1 5·6	−4·9		

3601—3660.

mag.	8h. m s	−22° ′		
10·4	25 55·7	44·4		
9·6	59·7	41·0		
9·6	26 1·7	13·6		
10·1	2·2	8·4		
10·4	2·7	29·0		
9·8	3·2	25·4		9·8
10·4	5·7	51·3		
9·5	9·2	42·7	a	9·7
9·4	9·7	37·2		9·7
10·4	12·7	17·8		
8·8	15·7	44·3	a	9·4
9·6	16·2	23·6		
10·4	23·7	43·1		
9·4	24·2	27·4		
10·4	26·2	56·1		
10·2	32·7	52·0		
10·2	37·2	15·8		
9·6	40·2	56·2		
10·4	43·7	49·6		
10·2	45·7	19·4		
9·8	45·7	51·2		
9·2	54·7	14·0		9·6
10·4	59·0	1·2		
9·4	27 0·7	11·8		9·7
10·4	0·7	50·1		
9·6	6·9	58·1		9·8
10·1	10·2	18·5		
8·6	14·7	23·8		8·4
9·9	15·9	31·0		9·7
10·4	17·2	51·2		
9·8	18·7	18·4		
10·4	24·2	5·8		
10·4	25·0	32·4		
8·8	25·4	47·3	a	9·0
8·4	25·9	27·9		9·0
10·4	33·9	49·1		
10·4	39·6	6·7		
10·4	40·7	3·3		
9·8	42·2	32·1		
10·0	43·9	26·6		
10·0	45·0	22·5		
9·6	45·7	51·7		
8·1	45·9	2·3	Cbl	8·4
10·1	54·5	31·6		
10·1	55·0	8·1		
10·4	58·9	26·9		
8·6	59·9	46·6		9·2
10·4	28 5·7	9·7		
10·4	12·2	32·0		
10·4	12·5	39·9		
7·8	21·0	56·1	Gb	7·7
10·5	22·0	58·7		
8·4	23·0	27·5		9·1
8·9	24·0	42·1		9·5
10·2	27·2	10·1		
9·4	32·2	54·9		
9·4	36·7	14·8		9·8
10·4	37·2	6·6		9·8
9·9	37·5	1·5		10·
10·4	45·7	45·4		
	+ 1 5·7	−5·0		

3661—3720.

mag.	8h. m s	−22° ′		
10·4	28 52·7	15·6		
9·6	57·2	18·8		9·8
9·6	57·7	21·7		
10·4	57·7	23·7		
10·2	29 1·9	59·9		
9·8	6·2	49·8		
10·0	6·7	38·1		
9·3	8·2	53·9		9·8
9·9	9·2	18·1		
10·2	13·2	30·2		
8·7	17·7	58·3	Ga	9·1
10·4	19·7	53·7		
10·4	24·7	31·9		
10·0	30·0	58·4		
9·9	33·2	15·2		
10·4	33·7	5·5		
9·8	35·7	53·0		
8·9	36·2	52·1	9·0 a	9·1
10·4	38·2	29·4		
10·2	47·7	43·6		
10·4	50·7	6·7		
10·5	51·2	37·7		
10·4	56·2	42·2		
10·4	59·2	35·3		
10·0	59·7	50·8		
9·5	30 6·2	23·0		
10·4	6·2	11·7		
10·5	11·2	38·1		
10·4	13·2	25·1		
10·5	14·7	7·3		
10·5	16·2	53·0		
9·4	34·2	3·1		9·6
10·4	34·7	38·1		
9·8	37·2	16·2		
9·6	41·7	27·4		10·
10·0	44·2	49·6		
9·4	44·7	26·4		
9·6	48·2	12·7		9·7
9·9	50·2	50·4		
9·4	56·2	2·9		9·6
10·5	57·7	31·0		
8·6	59·7	36·8		9·0
10·0	31 8·2	4·1		
10·4	8·2	52·1		
10·2	15·2	3·4		
10·2	16·2	58·0		
8·8	19·3	59·9		9·5
9·5	20·2	56·0		9·8
10·4	20·7	25·0		
9·4	24·2	45·6		
10·5	39·7	26·9		
9·2	43·2	43·4		9·3
9·8	45·2	0·1		9·8
8·0	48·7	17·8		8·2
9·4	49·2	45·1		
10·2	52·2	4·7		
9·5	52·7	42·9		
10·4	53·2	19·6		
10·5	53·2	58·2		
9·3	56·2	35·5		
	+ 1 5·8	−5·1		

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3721—3780.

mag.	8h. m	s	−22° ′		
9·6	31	56·2	13·7		
10·4	32	8·2	30·0		
10·2		8·7	23·0		
10·4		9·2	11·9		
9·6		10·2	15·4		9·5
9·8		12·2	26·7		
10·2		12·7	24·9		
10·4		20·2	48·9		
10·4		26·2	32·8		
9·4		26·2	57·9		9·8
8·4		27·7	38·1		8·7
8·6		42·2	4·7	Ca	8·7
9·6		43·2	7·4		
9·6		44·2	54·7		
9·2		44·2	5·2		9·4
10·5		46·2	7·9		
10·5		54·4	58·8		
10·4		56·2	42·9		
9·4		56·2	50·5		
10·4	33	8·2	22·4		
10·0		12·2	13·2		9·7
10·5		12·7	58·6		
9·0		18·7	56·2		9·3
9·3		19·7	43·2		
9·6		20·7	8·2		9·7
9·3		32·2	35·8		9·5
10·4		33·2	5·0		
8·6		33·2	57·2	8·5	9·1
9·6		36·2	46·1		
10·4		36·2	15·1		
9·6		36·2	40·1		9·8
6·2		39·7	14·1	GCbl	5·3
10·2		41·7	6·9		
10·4		41·7	7·9		
9·4		42·2	27·8		
9·4		44·2	40·4		9·5
9·0		50·2	0·8		9·0
10·2		52·7	11·8		
9·9		55·2	44·0		
10·5		57·2	1·0		
10·5		58·2	56·2		
10·5	34	5·7	26·4		
9·0		6·2	46·9		9·5
9·6		8·7	56·2		
10·4		11·0	36·0		
9·5		14·0	11·8		
10·4		15·0	47·4		
9·0		19·5	51·4		
9·0		23·0	14·0	a	9·3
10·5		24·5	45·8		
8·4		34·0	46·0	a	8·2
9·9		34·5	44·8		
8·8		35·0	31·2		9·1
9·6		39·5	35·9		
9·9		43·0	56·0		
10·2		44·0	17·0		
9·0		52·2	58·8		9·5
9·4		59·0	28·8		
9·0	35	6·0	9·6	a	9·2
9·4		12·5	38·0		9·9
25pr.	+ 1	6·0	−5·2		

3781—3840.

mag.	8h. m	s	−22° ′		
9·9	35	17·0	35·2		
10·4		18·5	2·0		
10·2		20·0	23·1		
10·4		23·0	52·2		
10·0		23·0	47·4		
9·2		30·0	27·8		9·8
10·5		30·0	38·5		
9·0		31·8	59·2	9·5	9·4
9·2		32·0	18·0		9·8
9·3		33·5	30·7		
10·4		36·0	39·0		
9·6		37·3	58·4		
10·5		44·3	20·4		
9·3		48·8	10·4		9·5
10·5		50·8	20·8		
9·4		52·3	33·6		9·5
10·5		54·0	20·4		
10·5		54·3	9·0		
9·2		54·8	23·1		
9·6		55·6	43·9		
10·2		59·3	50·4		
9·0		59·3	24·1	a	9·4
10·4		59·8	12·0		
9·6	36	1·8	45·0		
10·5		3·3	33·7		
10·0		7·8	3·5		
9·6		11·3	0·6		9·8
8·5		21·8	46·5		9·1
10·0		25·8	25·2		
10·0		30·3	23·2		9·5
10·5		31·3	37·4		
10·4		32·3	55·5		
9·2		37·8	12·1		9·2
9·4		39·8	20·2		9·5
8·6		43·3	25·0	a	9·2
10·5		45·8	12·0		
9·6		49·3	20·3		
8·8		49·8	23·8		9·4
8·5		49·8	3·2		8·9
10·2		53·8	51·3		
10·4		54·3	20·8		
10·2	37	5·7	1·5		
9·2		9·7	57·9		9·5
10·4		15·2	56·3		
9·2		21·2	20·0	a	9·3
9·5		27·7	6·4		9·5
10·0		29·2	4·7		
10·5		31·2	45·6		
10·5		32·2	46·2		
10·0		32·4	1·3		
10·5		39·7	45·7		
10·5		43·2	27·7		
10·5		45·7	25·3		
10·5		48·2	49·9		
9·4		49·2	20·7		
9·4	38	7·2	34·7		9·5
9·8		10·2	13·3		
10·5		12·2	48·7		
10·5		16·2	22·2		
10·2		21·7	22·2		
	+ 1	6·1	−5·3		

3841—3900.

mag.	8h. m	s	−22° ′		
10·2	38	22·7	21·7		
10·0		24·7	49·4		
9·4		25·2	34·0		
9·3		26·2	10·1		
9·0		37·2	13·7		9·2
10·5		40·7	3·1		
9·9		41·2	55·9		
9·0		49·7	30·3		9·4
9·0		50·7	58·5		9·4
10·4		52·2	32·4		
9·3		59·2	3·6		9·6
9·6	39	1·2	4·9		9·4
9·8		2·2	34·0		
10·0		2·2	4·4		
8·6		3·2	37·3		9·2
9·9		4·2	16·8		9·6
10·0		5·2	54·5		
10·4		7·2	44·3		
10·2		14·7	6·3		
9·3		15·7	15·3		9·4
10·2		20·7	10·7		
8·4		32·2	54·0	9·0 a	8·6
10·0		32·7	19·9		
10·0		34·2	22·0		
9·0		50·7	32·3		9·4
10·5		56·7	38·9		
9·4	40	1·7	25·3		9·5
9·3		10·2	16·9	a	9·1
10·5		11·7	9·6		
10·2		15·7	50·1		
9·5		16·7	8·0		9·6
8·6		18·2	17·4	a	9·0
9·3		19·2	19·1		9·8
9·9		20·2	29·5		
8·8		20·2	15·9	a	8·8
9·5		21·7	12·9		9·5
9·3		24·2	0·2		9·4
9·2		31·2	16·1	a	9·0
10·5		42·1	5·9		
10·5		43·2	14·0		
9·4		55·7	19·0		9·1
9·0		56·2	31·9		9·2
10·5		56·7	25·9		
8·8		59·7	31·3		9·0
10·4	41	0·7	28·2		9·9
10·2		4·2	27·5		
8·0		7·2	14·3	al	8·2
9·3		7·7	19·7		9·5
10·4		9·2	56·3		
10·4		9·7	36·9		
10·5		13·7	41·7		
10·4		14·3	54·9		
9·6		15·7	35·9		10·
9·8		25·8	38·0		9·6
10·5		36·3	31·9		
9·8		40·8	14·9		9·8
9·9		40·8	2·3		10·
10·5		41·8	19·9		
9·6		53·8	33·6		9·4
10·0		55·3	55·3		
	+ 1	6·2	−5·4		

3901—3960.

mag.	8h. m	s	−22° ′		
9·5	41	56·3	23·0		9·6
10·0	42	7·3	17·5		
9·3		21·3	14·0		9·5
10·4		22·8	26·9		
9·2		25·3	56·9		9·1
9·6		36·3	53·6		
10·0		36·3	32·7		
10·2		39·8	33·5		
9·6		48·8	35·6		9·5
8·9		49·8	40·7		8·5
9·6		55·8	6·9		9·5
9·9	43	6·2	0·3		9·5
10·5		7·9	40·9		
10·4		12·8	42·0		
8·7		15·8	43·0		8·8
8·5		22·3	24·7	a	8·2
9·3		32·8	2·0		9·6
9·4		39·8	18·1		9·3
10·5		52·3	26·0		
9·0		54·3	8·7		8·9
10·5	44	0·8	44·6		
9·9		5·8	56·3		9·5
8·8		5·8	17·6	a	8·5
10·2		9·3	24·3		
10·5		9·8	36·4		
9·4		15·9	16·2		9·3
10·2		21·4	30·3		
10·4		21·9	13·4		
9·6		30·4	4·9		9·4
10·5		51·0	1·3		
10·2		58·9	49·6		
9·4	45	5·4	18·6		9·5
10·5		5·4	53·3		
10·2		12·4	32·9		9·4
8·4		13·9	45·2	a	8·5
9·8		17·9	26·9		
10·4		22·4	47·6		
10·5		30·1	32·0		
9·8		35·4	24·3		
10·4		35·9	33·1		
8·8		37·4	25·2		9·0
8·7		37·4	34·2	a	8·3
10·4		37·9	50·3		9·5
9·3		45·9	50·7		9·7
9·6		51·9	22·0		9·6
10·5	46	2·4	55·7		
10·0		2·9	36·3		9·9
9·3		6·4	53·6		9·7
10·4		32·1	31·8		
9·3		32·9	35·6		10·
9·8		38·4	32·7		
10·5		43·4	0·0		
10·2		44·4	7·8		
10·2		45·9	29·8		
9·5		50·9	24·1		
10·0		51·9	17·6		9·9
9·9		57·6	40·1		
10·5		58·3	33·5		
10·0	47	1·1	27·8		
10·5		4·6	13·5		
	+ 1	6·4	−5·5		

3961—4020.

mag.	8h. m s	—22° '		
10.5	47 10.1	45.0		
10.5	12.1	45.9		10.
9.3	22.6	50.5		9.2
10.4	27.6	44.1		
9.2	49.1	12.7		9.5
7.8	50.6	31.3	al	8.0
10.4	54.9	40.6		
9.2	57.0	20.2	a	9.1
9.4	57.2	0.0		9.5
9.2	57.7	28.0		9.1
7.9	48 5.6	33.6	al	8.2
9.6	6.4	29.1		
10.5	12.4	28.0		
9.9	18.4	27.7		9.5
10.4	24.9	16.4		9.5
9.0	28.8	1.3		9.5
9.8	33.5	42.3		
9.8	41.0	1.0		9.5
9.2	49.0	9.2		9.5
9.0	52.5	28.6	a	9.1
9.8	49 7.8	31.8		
9.8	50 0.5	55.4		
8.4	10.8	54.7	Ga	8.5
9.1	14.8	22.2	a	9.2
9.8	15.0	40.5		
9.8	16.7	0.3		9.8
9.8	20.7	21.1		
9.8	24.8	14.0		
9.5	28.2	55.5		
9.8	34.3	6.8		9.8
9.8	42.8	32.6		
9.5	44.3	52.3		9.4
9.8	49.5	18.9		9.7
9.2	58.5	59.3	a	9.2
9.1	51 3.0	40.5		9.2
9.8	12.7	43.0		9.5
8.5	15.7	2.8	Cal	8.1
9.8	17.2	0.1		
9.8	35.5	34.6		9.6
9.8	37.5	30.2		
9.4	50.5	54.7	}	9.4
9.8	52.0	54.8		
9.8	52 0.3	17.6		
9.8	0.7	53.8		
9.8	44.5	43.2		
9.1	53.5	7.1		9.3
9.5	55.8	14.8		9.3
8.8	53 1.0	21.2	a	8.6
8.4	1.5	27.9	Ma	8.5
9.8	6.3	34.2		
9.8	8.3	45.7		
9.6	8.8	13.7		9.7
9.8	13.1	43.4		
9.8	17.1	50.4		
9.4	22.5	30.0		
9.8	27.6	47.4	}	9.4
9.8	29.8	47.4		
9.8	30.8	53.5		
9.2	32.8	32.5		9.1
9.8	43.1	48.4		
25pr.	+ 1 6.6	−5.7		

4021—4080.

mag.	8h.–9h. m s	—22° '		
9.0	53 55.3	13.5		9.1
8.2	58.6	41.0	al	7.5
9.8	54 13.2	59.8		10.
6.9	19.8	12.3	GCal	6.8
9.8	44.3	52.7		
9.6	53.5	3.1		9.6
9.2	56.6	5.5		9.5
9.8	59.3	37.7		
9.2	55 11.8	51.0		9.5
9.8	12.5	11.0		
9.4	18.1	25.1		9.2
9.8	56 4.1	41.2		9.1
9.0	18.6	3.1	a	9.0
9.8	28.6	16.9		9.5
9.5	40.8	56.9		9.6
9.8	52.0	5.0		9.5
9.6	59.1	25.7		9.5
8.8	57 12.3	41.8		8.6
8.0	54.1	30.2	Mm	7.5
9.0	55.8	56.6		9.0
9.8	58 2.0	53.8		9.7
9.8	13.3	56.0		
9.8	18.9	57.0		9.6
9.8	20.0	15.9		9.7
8.8	22.0	52.2	a	9.0
9.8	27.0	29.3		9.7
9.8	40.3	59.4		
9.6	45.3	17.3		9.6
9.6	46.5	40.9		
9.5	48.8	14.3		9.5
9.8	50.5	13.8		9.8
9.8	51.5	2.5		
9.5	59 1.8	11.3		9.6
9.4	10.0	44.6		
9.8	30.0	14.0		10.
9.6	33.3	50.0		
9.2	48.6	28.3	a	8.0
9.4	0 11.5	31.0		9.4
9.8	17.8	5.5		
9.8	27.1	57.8		9.6
9.5	40.0	13.1		
9.8	44.8	9.5		
8.6	50.3	25.5		8.5
8.3	1 18.3	49.6	8.5	8.3
9.6	28.7	1.0		9.1
9.8	45.0	0.0		
9.8	46.1	16.0		
9.8	48.8	52.8		
9.8	52.8	55.0		
9.0	2 11.8	53.8	a	8.8
9.8	17.8	25.8		
9.8	30.0	51.7		
8.6	46.6	49.2	9.0 a	8.3
9.0	49.8	33.5	Ma	8.0
9.8	55.3	12.5		9.7
9.8	3 23.0	45.0		
8.3	4 1.3	5.8	MCal	7.2
9.8	10.3	11.7		
9.8	11.1	51.3		9.8
9.8	11.5	28.1		9.8
	+ 1 7.0	−5.9		

4081—4140.

mag.	9h. m s	— 22° '		
9.8	4 30.6	42.3		9.5
9.8	33.1	42.6		
9.8	35.9	32.7		9.4
7.0	47.6	40.1	al	6.3
8.5	51.8	46.9	a	8.7
9.1	58.5	2.4		9.3
9.6	59.1	50.2		9.9
8.5	5 5.8	35.8	al	8.0
9.4	11.1	49.8		9.5
9.2	14.8	57.8		9.2
9.6	51.8	42.8		9.4
9.8	6 0.5	19.2		9.8
9.1	5.3	21.0		9.6
9.6	26.0	1.9		9.8
9.2	29.5	53.2		9.0
9.6	32.5	40.2		9.5
9.8	38.8	17.5		9.5
9.2	39.0	15.2		9.4
9.2	41.8	5.2	a	9.1
9.8	48.5	58.0		
9.8	57.6	44.3		
8.9	7 10.1	1.1	a	8.8
10.4	12.1	56.1		9.5
10.7	12.1	51.1		9.4
10.8	18.4	40.4		
10.8	48.4	33.3		9.5
10.4	49.8	55.4		9.8
10.7	50.5	2.4		
7.7	8 10.2	21.2	bl	7.0
10.3	11.9	47.5		9.9
10.4	20.2	58.7		9.0
9.0	23.8	10.7		9.0
10.3	31.2	34.1		
10.4	34.5	26.0		9.8
9.5	35.2	0.5		
10.8	35.3	52.8		
9.3	40.5	24.4		9.2
9.2	41.8	39.2		9.2
10.3	42.3	26.0		
10.0	47.8	11.1		9.6
10.8	48.8	34.9		
10.8	9 5.3	22.1		
10.3	10.3	22.2		9.8
9.4	11.8	25.5		9.6
10.6	13.3	27.1		9.8
10.6	16.3	7.1		
8.6	20.8	16.9	a	7.7
9.2	41.3	29.9		9.3
10.8	46.3	45.9		
7.2	10 1.6	58.6	7.2 Gal	7.0
10.4	5.8	57.0		9.4
10.0	6.3	13.5		9.5
10.0	16.3	25.9		9.1
9.8	21.1	57.6		9.4
10.6	23.8	25.9		
10.3	30.0	0.1		9.4
10.8	33.3	12.2		
10.4	33.3	31.2		9.5
10.8	35.3	45.5		
7.9	41.3	36.6	al	7.7
	+ 1 7.4	− 6.1		

4141—4200.

mag.	9h. m s	—22° '		
10.8	10 51.3	21.9		
10.7	57.8	44.4		
10.7	59.8	44.1		
10.8	11 14.8	17.1		
10.0	16.3	3.1		9.8
10.7	23.3	43.5		
8.3	25.3	24.4	a	9.0
10.7	26.8	42.4		9.5
10.7	33.3	18.0		
10.8	33.3	45.7		
10.7	44.3	13.5		
9.2	12 0.8	27.5	a	9.1
10.4	2.3	50.3		9.5
10.8	2.3	30.9		
7.8	7.3	24.7	al	8.5
10.0	13.3	28.7		
8.2	27.3	27.4	al	8.3
10.7	29.3	8.7		
7.8	31.3	9.1	Cbl	8.0
10.7	36.8	21.1		
10.0	53.9	17.4		9.4
10.7	55.9	45.4		
9.6	58.9	36.1	a	9.0
10.7	13 3.4	31.3		
10.7	11.9	17.7		9.8
10.2	13.9	39.5		
10.4	18.9	55.9		
10.7	21.4	3.4		
10.8	22.9	49.4		
10.0	22.9	31.4		9.7
9.6	23.9	26.1		9.2
10.0	24.9	30.2		
7.2	28.9	1.8	Cbl	7.5
10.2	28.9	28.6		9.8
10.0	28.9	32.3		9.8
9.6	29.4	50.2		9.3
10.2	31.4	37.8		9.4
10.7	33.4	29.6		
8.2	42.9	52.6		7.9
10.8	46.9	12.6		
10.7	58.4	11.2		10.
10.8	14 3.1	40.0		
9.2	8.9	34.7		9.5
10.2	9.4	48.0		
10.6	12.9	56.1		
10.8	19.4	3.0		
8.3	20.4	25.8		8.5
9.2	22.9	1.8	a	9.2
10.3	35.9	53.9		9.4
7.8	38.9	57.1	8.0 bl	7.5
8.2	45.4	53.4	8.5 bl	8.3
9.6	46.9	19.9		9.8
10.8	48.9	43.8		
10.2	49.9	46.2		9.8
10.8	52.0	58.3		
10.8	52.4	3.9		
10.0	55.4	42.1		9.8
10.0	59.4	8.3		9.9
10.0	59.9	10.2		9.9
10.8	15 2.9	48.1		
	+ 1 7.6	−6.2		

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4201—4260.

mag.	9h. m	s	—22° ′		
10·3	15	3·4	54·0		
9·3		6·4	55·1		
9·8		9·9	9·0		9·5
10·2		20·4	49·0		
10·8		22·9	14·3		
10·7		38·6	58·0		
10·7		42·9	26·1		
10·2		43·4	50·1		
10·2		47·9	18·9		
9·2		56·2	58·1		9·0
9·6	16	6·9	12·5		9·7
10·0		6·9	37·6		9·5
10·3		8·9	56·1		
9·8		15·9	49·0		
10·4		17·4	54·3		
10·3		21·9	44·2		9·5
10·2		26·7	0·4		
9·8		28·4	55·3		9·7
9·8		34·9	22·0		
8·6		39·9	3·4		8·8
8·8		42·4	47·4		8·7
10·8		42·9	55·0		
10·8		43·4	29·5		
10·3		43·9	47·1		
10·7		46·9	19·0		
10·7		49·9	22·9		
9·0		49·9	10·8		9·3
10·7		51·9	49·9		
8·8		52·4	28·1	}	8·5
10·6		52·9	27·9	}	
8·8		53·9	14·0		9·0
10·6	17	2·4	49·8		
10·8		3·4	28·6		
10·8		5·9	20·8		
9·6		13·7	1·2		9·8
10·8		19·4	46·3		
9·0		22·9	20·5		8·9
10·3		25·9	17·7		
10·2		30·9	43·4		
9·3		32·9	36·8		9·5
9·2		34·4	27·9		8·8
10·4		38·9	12·9		9·6
10·8		41·9	28·3		
10·8		43·4	39·2		
10·8		44·4	39·7		
9·2		44·9	32·9		8·8
10·8		46·4	41·6		
10·4		46·9	55·1		
10·3		47·9	51·4		
10·2		48·9	47·9		9·9
10·3		51·9	20·5		
10·3		55·9	5·0		
10·6		56·7	2·1		
10·2		56·9	0·3		
10·4	18	2·9	21·1		
10·7		8·4	34·6		
10·4		15·9	15·1		
10·3		18·9	22·6		
8·8		43·9	21·4		
8·4		46·4	22·6		9·0
25pr.	+1	7·8	−6·3	M	8·7

4261—4320.

mag.	9h. m	s	—22° ′		
10·8	18	48·4	51·5		
9·6		49·6	2·4		9·7
8·6		51·9	11·1	a	8·8
10·8		55·9	4·9		
10·7		56·4	34·5		
10·2	19	1·9	50·9		9·3
10·8		2·9	49·2		
10·8		7·9	47·4		
9·0		15·9	55·5		9·2
8·9		20·9	52·8		9·3
9·3		21·4	51·4		9·8
10·8		31·4	15·9		
10·8		37·9	35·8		
10·3		46·9	1·4		9·8
10·8		49·9	9·3		
10·0		50·9	54·0		9·7
10·3		59·9	52·3		9·6
10·7	20	4·9	48·8		
10·0		5·9	27·6		
8·6		5·9	16·4	Ma	8·2
10·7		16·9	21·5		
8·8		30·9	7·6	a	9·0
10·8		33·2	59·6		
8·8		40·4	33·1		8·8
8·8		41·9	12·7	a	9·1
9·8		53·4	32·1		
10·8		57·2	18·2		
9·3	21	3·4	25·3		8·9
10·4		9·9	59·0		
10·0		15·9	32·3		
10·6		25·4	17·0		
10·8		26·9	3·0		
9·4		35·9	25·1		9·4
8·8		41·9	46·9	a	9·0
10·6		43·4	50·0		
10·7		48·4	21·0		
9·4		56·9	5·3		9·5
10·8		57·9	34·7		
10·7	22	3·4	16·3		
8·8		4·9	13·1	a	8·9
10·8		5·9	25·9		
9·2		6·9	38·5		9·3
10·8		24·9	37·9		
10·3		29·4	36·1		
10·7		32·4	26·5	·	
10·8		35·9	7·1		
9·0		38·9	24·9		9·4
10·8		44·4	39·4		
10·8		51·4	20·9		
10·8	23	2·4	10·6		
10·0		5·9	43·3		10·
10·6		22·4	41·2		
10·4		23·4	40·8		9·5
10·8		29·9	42·0		9·5
10·0		45·9	28·0		
10·7		52·9	57·2		
9·6	24	2·9	10·5		9·7
7·4		9·9	47·8	GMal	6·5
10·8		15·4	16·1		
10·0		33·9	40·1		
	+1	7·9	−6·4		

4321—4380.

mag.	9h. m	s	—22° ′		
10·8	24	38·4	10·8		
10·7		39·9	11·7		
10·8		41·9	5·6		
10·3		58·4	59·6		
10·8		59·4	45·3		9·6
10·4	25	3·4	51·9		9·6
8·6		3·4	8·2		9·1
8·0		8·9	57·8	Gal	8·0
10·3		10·4	51·1		
10·6		10·7	31·5		
10·8		11·4	41·4		
10·8		26·9	6·9		
8·8		33·1	56·9	a	9·0
10·6		35·4	9·2		
10·8		42·4	24·3		
7·2		49·8	57·4	Gal	7·3
10·6		54·7	28·8		
9·4		56·9	50·9		9·5
9·6	26	11·9	58·3		9·7
8·3		14·4	46·9	al	8·0
8·9		15·9	18·9		9·2
9·2		17·9	10·2		9·3
9·0		25·9	47·7	a	9·1
9·5		27·4	23·8		
9·3		32·9	30·9		9·6
10·8		40·9	25·4		
10·0		42·9	42·1		
9·5		42·9	13·9		9·7
10·8		45·9	33·9		
10·7		45·9	43·0		9·8
9·8		49·9	25·5		
8·4		54·9	21·7		8·3
9·6	27	0·4	12·8		9·7
10·0		2·9	1·9		
10·8		3·4	54·1		
10·6		5·4	44·7		
8·4		10·9	1·1	C	8·8
8·8		15·9	35·6	a	9·1
10·7		21·9	25·4		
8·8		25·9	5·3		9·2
9·6		30·4	22·3		
8·8		31·5	2·9		8·8
9·8		32·1	10·4		9·7
10·6		43·9	55·9		
5·8		44·5	18·6	Gbl	6·1
9·3		47·3	36·3		9·1
10·2		48·9	21·5		
8·9		52·9	35·5	a	9·1
8·8		53·7	1·1	C	8·8
10·6	28	25·1	59·1		
9·6		28·3	14·2		9·7
10·8		28·4	24·2		
10·8		29·9	31·1		
9·6		30·9	23·9		9·7
10·1		32·2	7·5		
10·2		34·7	50·4		
9·6		44·7	37·3		
9·5		47·7	4·3		
8·6	29	1·7	28·3	a	9·0
9·5		17·2	53·9		9·5
	+1	8·2	−6·6		

4381—4440.

mag.	9h. m	s	—22° ′		
9·1	29	21·7	32·2		9·2
9·2		25·7	50·2		9·0
8·6		28·7	29·2	a	8·7
8·9		36·7	18·2		9·1
8·8		36·7	36·7	a	9·0
8·4		38·7	53·5	9·c	8·9
7·9		41·7	7·7	Cal	7·5
8·6		44·7	37·3	a	8·7
10·3	30	10·7	10·5		9·8
9·2		24·7	31·5		9·5
10·1		28·7	21·9		
10·3		34·7	0·7		
9·6		40·7	41·1		9·5
9·0		42·7	6·6	a	9·1
10·3		56·7	58·8		
9·4		57·7	23·7		9·3
9·4	31	2·7	13·7		9·5
9·8		24·7	17·3		
9·6		49·7	14·3		9·5
9·1		55·7	40·4	–	9·0
9·6	32	12·7	10·5		9·3
10·1		50·2	47·3		
10·2		50·7	7·3		
10·3		58·2	37·7		
9·5	33	0·7	12·3		9·7
10·0		6·7	55·4		
8·6		11·7	24·1	a	8·8
9·6		20·7	31·9		9·3
9·8		21·7	4·9		
7·4		23·2	31·9	Ma	7·3
10·1		32·7	32·5		
10·2		41·3	50·9		
9·5		41·7	6·5		9·8
10·1		42·7	22·3		
9·4		54·7	47·4	a	9·1
9·4	34	0·7	48·5		9·4
10·2		10·0	1·1		
9·4		11·7	38·1		9·1
10·1		24·7	17·5		9·5
9·8		25·2	37·9		
9·5		28·2	57·8		9·5
10·1		28·7	26·8		
9·0		32·2	12·1	a	8·8
8·8		50·7	47·1	Ma	8·2
10·3	35	0·7	49·1		
9·5		3·9	2·3		9·0
10·0		5·7	39·8		
10·3		17·2	43·3		9·5
9·5		41·7	51·9		9·7
9·2	36	7·7	40·1	a	9·0
10·1		16·7	3·2		
10·2		21·7	21·7		9·6
10·2		24·7	8·3		
10·3		29·6	11·4		10·
8·8		47·2	51·1		9·1
9·8		50·7	18·9		9·2
9·0		59·7	43·7	a	9·1
9·5	37	0·7	32·4		9·4
8·0		8·7	23·7	M–	7·8
9·2		11·7	43·6	a	8·9
	+1	8·5	−6·7		

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4441—4500.

mag.	9h. m	s	−22° ′		
10·0	37	16·6	14·7		
9·4		22·2	42·3	a	9·1
10·2		33·2	21·9		9·8
10·2		44·9	0·5		9·5
10·1		58·7	25·5		
8·4	38	5·7	12·2	MC	8·4
10·2		10·7	1·6		
9·5		11·7	15·1		9·8
9·6		26·2	26·9		9·5
10·0		27·7	53·1		9·5
9·8		27·7	38·7		9·6
9·2		32·8	59·3		9·4
8·8		34·7	38·5		9·0
7·8		51·7	10·7	Gatlπ	6·8
8·2		53·2	47·2	Mal	7·7
7·8	39	12·7	54·7	7·5 Gbl	8·0
9·6		14·7	13·0		
10·2		22·7	47·4		
9·8		34·2	35·1		
10·2		36·7	18·1		
10·0		38·5	59·7		
10·2		39·2	12·7		9·8
10·3	40	1·2	5·2		
9·4		3·2	25·0		9·7
9·8		20·7	25·8		
8·0		32·2	4·7	Cal	7·8
9·4		38·2	40·7		9·5
10·3		42·6	9·5		
9·2		42·7	7·3	a	9·2
10·1		48·7	18·1		
9·2		50·7	30·3		9·1
10·3	41	0·7	0·3		
9·8		2·2	42·6		9·6
9·0		7·7	27·4		9·1
10·1		16·2	48·5		
10·0		21·7	57·9		
9·4		54·7	12·0		9·5
9·6		55·2	32·0		9·4
9·5		56·0	45·6		9·5
9·6		57·8	1·8		
9·6	42	0·5	35·4		9·5
9·6		18·5	1·5		9·5
8·6		19·5	56·3		8·8
9·5		21·5	40·0		9·5
9·5		29·0	1·4		
10·3		33·4	28·8		
8·7		35·5	9·5		9·0
9·4		37·5	14·1		9·1
8·4		37·5	14·9	M	9·0
7·9		49·0	6·1	MCbl	8·1
10·0		50·5	30·5		
9·5		53·0	27·8		9·5
9·5		56·5	31·0		
10·3	43	8·5	26·4		
8·8		22·0	48·1		9·0
9·8		28·4	25·1		9·6
10·1		28·4	17·6		
9·0		35·0	48·1	–	9·0
10·0		40·5	4·7		9·8
9·6		59·0	29·6		
25pr.	+1	8·9	−6·9		

4501—4560.

mag.	9h. m	s	−22° ′		
9·8	44	5·0	2·3		
9·4		10·5	9·0		9·7
9·4		10·5	14·7		9·8
10·0		40·5	34·4		
9·8		43·0	57·2		
9·6		43·5	19·6		
10·0		45·0	52·9		
9·6		55·0	47·4		9·4
9·5	45	12·5	5·9		9·7
9·4		18·0	26·0	GMal	6·6
9·6		26·5	44·4		9·2
8·9		28·5	22·6	Ma	8·8
10·3		38·4	29·9		
8·8		41·5	49·3		9·0
9·4		45·5	33·9		9·4
10·1		53·2	1·4		9·8
10·2		56·4	38·2		
9·4		58·8	57·5		9·8
9·2	46	2·0	37·6		9·5
10·3		7·0	55·6		
9·4		12·5	5·6		9·1
10·2		51·5	53·5		
9·6		59·5	41·5		9·2
10·0	47	15·0	56·1		
9·8		20·6	14·1		9·7
8·8		36·7	11·1	MC	8·8
9·4		40·4	45·3		9·1
10·3		44·5	25·1		
8·6		47·5	21·2	M	8·5
9·0		51·9	14·9		9·1
10·3	48	7·5	22·1		
10·2		14·5	56·7		
9·8		20·1	43·1		9·5
10·4		24·7	7·4		
10·4		27·7	50·6		
7·8		40·1	43·4	a	8·5
10·2	49	4·2	52·5		9·8
9·6		6·3	44·6		9·4
8·4		17·8	54·4	8·0GMa	7·8
9·0		31·8	35·8		9·1
9·6		48·8	6·7		9·7
9·1	50	7·3	16·7	a	8·9
9·7		35·3	20·2		
10·0		48·8	9·2		9·7
9·0		54·3	49·5		9·1
9·4	51	13·3	16·1		9·7
9·2		22·3	59·7		9·4
9·5		29·8	21·6		9·6
10·2		47·3	44·0		10·
9·0		49·3	19·0	a	9·2
10·4		53·3	6·3		
9·5		55·3	47·5		9·8
10·2	52	15·1	27·7		9·8
9·1		29·3	52·7		·3
8·6		39·3	32·6		·1
9·4		40·3	21·7		9·6
10·4		52·0	0·9		
9·4		57·3	48·9		9·5
9·6	53	3·8	15·2		9·8
9·0		7·3	20·7		9·4
	+1	9·3	−7·0		

4561—4620.

mag.	9h.–10h. m	s	−22° ′		
9·5	53	20·8	3·8		9·2
9·0		27·8	11·1	M	9·1
9·0		43·3	31·5		9·0
10·4		46·8	25·5		
9·8		53·3	11·1		9·7
8·8		59·8	44·2		8·5
9·8	54	2·3	52·8		9·7
9·6		3·3	9·5		
9·8		4·8	43·0		9·5
9·7		15·3	29·5		9·8
8·5		21·3	29·0		8·9
9·5		21·3	50·5		9·1
10·4		22·8	7·5		
10·4		29·1	56·3		
10·4		32·3	5·4		9·7
10·0		44·3	39·9		9·6
9·0		50·3	15·6		9·3
10·4	55	10·1	35·1		
10·4		13·1	59·3		
9·8		17·1	48·2		9·5
7·6		23·3	32·8	al	7·8
7·5		26·8	9·9	Ca	7·4
9·7		52·3	4·3		10·
9·1		54·3	21·6		9·4
8·0		56·5	59·5	8·8–	8·5
10·2	56	1·4	3·2		
9·6		23·9	28·0		9·3
10·2		29·3	57·0		
10·0		43·9	0·7		9·4
10·0		58·9	53·0		
10·4	57	2·4	42·1		9·8
10·4		24·5	12·6		
10·2		48·5	48·5		
8·8	58	2·4	35·0		9·0
9·0		25·4	40·4		9·0
10·0		26·4	8·6		9·7
10·4		42·4	8·7		9·8
8·8		47·9	17·4		9·0
9·0		58·9	19·8	a	9·0
9·0	59	12·9	22·8	a	8·9
10·0		13·9	29·7		9·4
10·2		23·4	36·6		9·5
9·0		32·9	6·3	M	8·5
10·0		35·4	19·0		
9·7		57·4	23·9		9·3
9·5	0	8·4	17·6		9·4
9·5		10·4	25·0		9·7
7·4		51·4	31·8	a	7·3
9·4		53·9	20·5		9·2
8·2	1	7·4	56·2	a	8·5
9·7		23·4	47·3		9·8
9·8		23·7	1·2		
9·8		29·4	41·6		9·7
9·8		39·9	54·8		9·7
9·8		57·4	33·6		9·5
10·0	2	4·9	28·1		
10·0		34·4	37·6		9·8
10·4		35·9	39·2		
9·2		36·9	42·8		9·7
9·7		52·9	17·7		9·9
	+1	9·7	−7·2		

4621—4680.

mag.	10h. m	s	−22° ′		
9·5	3	12·6	13·4		9·7
7·9		17·6	57·2	8·5GMal	8·0
9·0		18·6	52·8	9·0	8·8
10·0		58·6	46·6		10·
9·6	4	10·1	30·1		9·3
9·4		13·6	38·1		9·4
9·4		33·1	9·8		9·3
9·5		37·6	28·2		9·4
9·4		41·1	30·5		9·3
10·4		43·6	59·6		
9·7		48·1	47·8		
8·6		51·6	26·6		9·0
9·0		59·3	2·4		9·2
10·2	5	2·6	21·1		9·8
10·2		22·6	27·2		10·
9·4		22·6	48·6		9·6
9·5		29·6	31·2		9·0
10·2		41·6	39·2		9·8
8·6		59·6	1·0	MCa	8·0
10·0	6	5·1	38·4		9·4
8·6		11·6	36·2	–	9·0
10·2		15·1	48·7		
9·5		16·1	14·1		9·6
9·8		27·6	40·6		9·8
9·5		35·1	36·6		9·8
9·0		53·1	40·3		8·7
9·0	7	4·9	34·3		9·2
7·6	8	0·4	27·6	al	7·5
9·5		10·3	27·0		9·3
10·4		31·6	33·6		
9·0		41·1	37·9		9·3
9·6		45·6	30·3		9·0
8·4		49·6	12·7	Ma	8·8
10·3		53·1	7·5		9·7
9·4	9	28·1	17·6		9·1
9·7		50·1	33·9		
9·6	10	6·1	5·5		9·8
8·5		9·6	2·1		8·9
9·3		12·7	59·4		
8·8		37·6	43·2		9·0
9·6		44·1	52·3		
9·0		56·1	18·6		9·5
9·3	11	3·1	40·1		9·5
10·0		4·4	37·2		
10·2		12·9	23·6		
9·3		18·9	18·8		9·6
10·3		22·8	58·6		
8·9		25·4	35·6		9·4
10·2		27·9	42·9		
8·8		48·4	2·1	Ma	9·2
9·4		52·9	44·6		9·4
9·0	12	5·9	55·6		9·4
8·2		29·9	8·0	Ca	8·3
9·0		38·9	2·0		9·4
9·0		46·9	34·2		9·4
8·1		56·9	33·4	al	7·5
8·2	13	11·9	32·2	al	8·5
9·8		37·4	26·3		
9·4		52·4	18·9		9·5
10·1		55·9	31·2		
	+1	10·3	−7·4		

4681—4740.

mag.	10h. m	s	—22° ′		mag.
8.2	13	55.9	20.6	Gal	7.4
9.0		56.4	6.2		9.1
9.8	14	5.9	33.8		
7.9		19.9	28.4	Gal	7.5
8.4		22.9	31.4	a	9.0
9.6		36.9	38.6		9.5
9.8		50.9	56.2		
10.2	15	5.9	17.7		9.8
8.6		9.9	12.2	a	9.1
8.8		15.9	34.6		9.4
10.0		20.9	22.1		9.7
10.1		30.2	42.1		
10.1		37.4	19.5		
8.8		39.4	15.9	a	9.2
9.2		50.9	5.0		9.5
10.0		59.4	56.1		9.7
9.4	16	4.9	14.9		
9.2		9.4	42.5	–	9.2
9.6		18.4	5.3		10.
10.2		30.4	45.7		
8.8	17	18.4	12.2	Ma	9.2
8.1		43.4	50.2	Mbl	7.8
9.2		49.9	58.1		9.5
9.3		51.9	30.3		9.5
8.8	18	32.4	0.4		9.5
9.3		33.9	11.9		9.3
10.1		52.4	29.3		
10.2	19	10.9	33.6		
8.9		22.4	54.3	8.5 –	8.8
9.3		31.4	32.3		9.5
9.3		37.4	51.4		
9.7		45.2	42.1		
10.3		49.7	45.9		
9.3		56.2	48.9		
10.3		56.2	35.9		
9.3		57.7	30.5		9.8
10.1	20	13.2	25.0		9.8
9.0		19.2	19.0		9.6
8.8		25.2	46.1		9.0
9.4		59.2	42.7		9.5
10.3	21	0.0	25.8		
10.3		14.2	25.8		
8.8		17.7	13.2		9.5
9.6		31.2	44.7		
9.3		33.2	24.3		9.5
8.5		34.7	33.8	–	8.6
9.3		39.7	25.0		9.5
9.7	22	29.7	28.1		
9.3		39.2	10.8	}	8.7
8.4		39.2	10 2	}	
8.6		48.7	1.3		8.8
10.1	23	1.2	30.9		
10.2		6.0	24.6		
8.9		6.7	41.0	–	9.0
9.4		18.2	0.7		9.3
10.0		19.2	1.4		
10.0		22.2	40.8		
10.3	24	20.8	38.2		
9.4		20.9	35.5		
10.0		30.4	26.9		9.8
25pr.	+1	11.0	–7.6		

4741—4800.

mag.	10h. m	s	—22° ′		mag.
10.2	24	34.9	18.8		10.
9.6	25	25.4	32.1		9.5
9.8		35.9	35.3		
10.1		47.9	33.2		9.5
8.8		51.9	9.3		9.1
8.8		52.9	40.3		9.0
10.3	26	27.8	38.7		
7.6		28.7	57.6	8.0 Gtlπ	8.0
9.0		29.9	43.3		9.4
9.8		31.8	38.4		
10.0		33.4	21.1		9.8
9.0		36.2	58.4	9.0 }	9.1
9.3		38.7	58.9	}	
10.0		50.9	30.8		
9.4	27	7.7	41.3		9.8
10.0		26.9	19.5		
10.2		57.4	16.4		
10.2	28	0.9	1.3		
9.2		10.4	7.7		9.5
9.4		12.1	27.1		10.
9.8		22.1	5.9		
9.0		32.2	57.0	a	9.0
9.9		38.9	34.6		9.3
9.6	29	0.1	50.1		9.5
7.0		0.8	31.9	GSalβ	6.7
9.4		4.9	50.4	a	9.0
8.4		13.4	37.4	a	9.0
10.2		15.9	18.4		9.8
9.2		47.4	59.7		9.4
9.9	30	2.4	31.1		10.
9.6		23.4	3.0		9.7
9.2		42.4	7.3		9.2
8.0		52.4	1.0	Cbl	7.2
9.6	31	26.4	54.8		9.5
10.0		33.4	37.5		9.5
7.8		37.9	43.9	bl	7.8
10.4	32	2.3	59.4		
8.8		3.9	37.5		9.2
9.0		6.0	48.5		9.7
10.2		9.5	53.9		
9.8		32.0	28.5		9.8
10.0		58.0	45.9		9.5
10.4	33	3.0	6.3		
10.2		20.0	26.3		9.7
8.4		29.0	7.4	Ma	8.9
9.4		46.0	46.8	–	9.2
8.6		55.5	48.0	–	9.1
9.2		59.0	3.5		9.8
7.7	34	1.5	58.4	8.0 b=l	8.0
10.2		37.0	17.0		10.
9.6		45.0	24.0		9.4
8.6		50.0	9.1	Ma	8.7
9.4	35	1.0	22.4		9.5
9.6		2.0	36.7		9.5
10.2		6.0	29.5		
9.6		21.8	57.4		9.5
9.8		28.0	15.4		9.4
8.7		36.0	45.0	M–	9.0
8.6	36	45.0	15.9	a	8.6
7.5		53.0	53.8	7.0 GSlβ	7.0
	+1	11.5	–7.7		

4801—4860.

mag.	10h. m	s	—22° ′		mag.
9.6	37	10.0	37.3		9.5
8.8		20.0	10.3		9.2
9.9		20.8	59.3		
10.2		25.8	8.1		9.7
10.4		26.2	0.1		9.5
8.4		31.8	28.4	a	8.5
9.4		38.8	41.5		9.1
8.4	38	4.3	18.6	a	8.5
9.8		17.8	30.5		9.8
9.3		30.8	15.1		9.4
8.6		41.8	17.9	b	9.0
10.2		56.8	55.6		9.8
10.2	39	17.7	2.9		10.
8.8		25.8	9.1		9.2
10.4		32.8	44.6		
7.2	40	7.8	46.5	Mal	7.3
8.6		20.8	13.7		9.1
9.9		28.8	11.7		9.9
10.0		34.8	21.3		
9.8		45.3	18.4		9.4
9.1	41	15.8	17.7		9.2
10.0		35.8	50.5		9.8
9.2	42	0.9	48.1		9.1
10.4		9.4	6.7		9.6
10.4		12.3	24.0		
9.0	43	4.4	17.7		8.8
9.0		15.4	14.4		9.2
8.6		18.4	26.2		8.5
10.4	45	5.4	8.4		9.5
10.4		12.9	48.1		
9.6		39.4	57.6		9.5
8.6	46	2.2	1.9	a	9.1
9.1		2.4	36.6		9.3
10.2		8.9	8.1		9.8
8.4		19.9	32.4	–	9.0
9.6		21.4	11.7		9.5
8.6		30.4	31.1		9.0
9.6	47	3.2	30.8		9.4
8.6		11.2	55.5		9.2
9.9		22.4	50.0		9.8
10.4		35.4	59.3		
8.6		40.3	41.0	a	8.9
10.3	48	1.2	52.9		9.5
8.0		2.2	30.9	Mal	7.8
9.1		26.6	37.7		9.5
10.4		46.7	41.5		
10.4		49.2	13.4		9.8
9.6		53.8	9.0		9.3
7.7	49	2.4	15.6	Cal	8.3
8.0		19.9	22.4	Ma	8.3
8.6		23.9	31.5	b	9.1
9.6		48.0	18.5		9.8
8.8	50	2.9	13.1	Cbl	8.5
9.1		21.4	55.3		9.7
9.8		28.9	52.6		9.8
8.6		50.9	44.1	a	8.9
9.2	52	42.9	13.0		9.2
7.8	53	1.4	35.0	MW–	7.8
9.0		11.9	53.3		9.0
9.5		39.4	30.6		9.5
	+1	12.3	–7.9		

4861—4920.

mag.	10h.–11h. m	s	—22° ′		mag.
7.9	54	22.4	44.9	M–	8.2
9.8		24.9	9.4		9.6
9.6		25.9	7.9		9.3
9.6		41.9	4.6		10.
8.4	55	21.9	44.6	Ma	8.4
8.8	56	8.4	44.1	a	9.0
9.6		18.4	21.1		9.7
8.6		25.3	25.0	M	8.8
9.8		34.3	35.0		9.8
8.1		35.8	56.5	Ma	8.7
9.8		39.8	34.5		9.5
9.8		45.0	5.4		9.8
9.8	57	5.8	59.7		
9.8		22.0	29.6		9.5
8.7		32.3	8.6		9.0
8.6		51.8	14.2	a	9.0
9.8	58	1.8	14.5		
9.5		21.3	49.0		9.4
9.6		25.3	27.6		9.4
7.9		31.8	6.5	Ca	8.0
9.8	59	14.3	6.1		
9.6		33.0	27.2		9.1
9.5		57.3	26.4		9.4
8.6	0	0.3	32.6		9.1
7.8		44.8	52.8	8.0 Gb	7.8
8.3	1	20.3	44.0	–	8.7
9.0		53.3	45.1		9.4
8.6		55.8	9.8	MC	8.8
9.8	2	10.8	33.0		
8.7		21.8	12.2		9.3
9.3		49.8	24.9		9.5
9.8		53.0	57.0		
9.8		56.3	33.6		9.6
8.7	3	29.8	52.3	8.5 a	8.8
8.4		55.8	9.9	MCa	8.6
9.3		56.8	40.1	–	9.1
9.8	4	13.7	58.8		
9.0		21.8	6.8		9.2
9.8	5	5.0	43.6		
5.0		30.8	8.7	GSlπβ	4.8
9.8		36.0	45.5		9.3
9.8	7	30.3	50.7		9.5
7.2		32.3	19.1	GMb–l	7.3
9.8		36.1	35.7		9.5
9.0	8	2.8	20.5		9.4
9.2		15.5	4.0		9.2
9.8		20.1	35.9		
9.7		22.0	39.3		
8.4		38.7	58.1	9.0 M–	8.5
8.9		40.7	24.8		8.9
9.4	9	16.3	15.9		9.4
9.6		28.2	45.1		
7.1		33.2	14.0	GCbl	7.1
9.7		46.2	58.0		
9.4		48.2	25.6		10.
9.4	10	12.0	17.3		9.5
9.1		53.5	53.3		9.2
9.7	11	5.5	55.2		9.8
9.7		8.7	58.5		
9.6		59.5	20.2		9.6
	+1	13.4	–8.1		

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4921—4980.

mag.	11h. m	s	−22° ′		
9·4	12	0·5	6·4		9·5
8·8		44·8	25·9	a	8·9
9·5	13	3·2	24·0		9·8
9·6		17·5	34·5		9·8
9·4		29·7	2·8		9·3
9·4		58·2	16·3		9·7
9·4	14	12·2	18·0		9·8
9·8		14·5	26·2		
9·2		19·2	14·9		10·
8·9		25·0	40·2	a	9·2
9·2		33·5	20·5		9·4
9·5		41·0	28·4		9·8
7·8		42·0	31·5	al	8·0
9·8	15	8·2	36·3		
9·5		31·2	53·6		
9·8		35·5	36·2		
9·2		39·0	44·8	–	9·2
9·4		39·5	18·8		9·8
9·2		42·6	3·1		9·5
9·6		47·8	7·3		
9·7		48·5	12·4		
9·8		48·7	21·7		
9·4		50·0	7·3	a	9·0
9·4		52·0	12·8		9·7
9·8	16	0·9	14·3		
8·9		7·5	12·5	a	8·9
9·4		42·0	9·0	a	9·2
9·6		44·0	51·4		
8·9	17	19·5	52·8	9·0	9·0
9·6		23·5	9·8		10·
9·2		41·7	37·9		
9·1		52·0	31·9		9·6
9·7		55·2	57·9		
9·0		59·0	25·0		9·5
9·8		59·5	52·8		
9·4	18	0·2	21·9		10·
8·8		9·5	8·3	a	9·1
9·8		18·2	33·3		
9·6		33·5	40·3		9·5
7·6		34·5	8·7	Cal	7·7
9·8		45·8	29·4		
9·8		46·5	59·4		
9·8		47·2	7·9		
9·7		51·0	38·4		
9·5		57·9	57·1		
9·1	19	3·1	57·6		9·6
9·4		13·5	7·1	a	9·7
9·0		23·2	53·7	9·0 M	8·9
9·5		23·5	29·2		9·5
9·8		40·0	55·2		
9·2	20	5·5	52·0		9·8
9·6		9·5	5·1		
9·7		10·0	11·6		
9·2		30·7	34·5		9·7
9·4		56·7	1·0		10·
9·8	21	4·0	8·3		
9·2		6·5	5·0		9·6
9·8		22·8	3·0		
9·6		28·2	18·0		10·
9·7		29·5	5·7		9·8
25pr.	+1	14·3	−8·2		

4981—5040.

mag.	11h. m	s	−22° ′		
9·4	21	31·0	10·5		10·
8·2		31·5	49·9	Mb–	8·6
9·6		41·0	48·3		
9·5		42·2	34·2		9·6
8·4		47·8	34·9	–	8·8
8·9		49·5	3·8	a	8·8
9·4		52·2	48·3		
9·6		58·5	9·9		
9·8	22	10·5	35·2		
9·7		42·2	32·8		
9·1	23	7·5	20·2	a	9·2
9·8		17·8	41·4		
8·7	24	1·7	47·5	a	9·0
9·4		12·0	5·3		9·4
9·7		26·0	43·8		
9·8		27·5	13·4		
9·8		32·7	20·1		
8·9		40·0	5·7		9·0
9·4		46·8	25·2		
9·1		57·8	54·5	a	9·5
9·2	25	20·5	6·7		9·3
9·2		22·0	18·5		9·6
9·5		38·0	54·2		
9·6		40·0	30·2		9·8
9·2		41·0	4·5		9·6
9·4		41·9	57·0		10·
9·5	26	3·8	4·7		
8·8		15·2	41·7		8·8
9·6		23·2	50·0		
9·4		23·2	10·1		
9·8		29·5	12·3		10·
9·8		40·8	11·5		9·9
7·5		43·2	45·2	Mal	7·5
9·4		55·2	7·7		9·7
8·8	27	6·2	26·8		8·3
9·1		10·7	47·2	a	9·5
9·0		17·5	29·8		9·1
9·4		21·2	8·7		9·4
9·2		23·5	31·7		9·8
8·2		32·2	45·7	Mal	8·2
9·8		33·0	36·9		
9·7		59·7	14·4		
9·2	28	4·5	12·9		9·7
9·4		31·2	6·5		
9·0		32·0	54·6	Ga	9·0
9·8 -		37·0	47·2		
8·0		37·7	52·7	9·0 Ga	8·7
9·5		39·9	26·3		9·8
9·8		44·2	59·4		
10·0		59·4	28·8		
8·6	29	11·2	49·9	a	8·8
10·0		19·2	8·0		
9·8		19·2	23·7		
10·0		48·0	31·3		
10·0		50·2	8·8		
9·1	30	0·5	9·5	a	9·2
9·0		9·7	56·9	9·0 a	9·0
10·0		12·9	48·2		
9·8		18·5	22·4		9·4
7·3		43·7	15·3	GSat π	6·7
	+1	14·8	−8·3		

5041—5100.

mag.	11h. m	s	−22° ′		
10·0	30	51·7	19·0		9·6
8·3	31	10·5	31·9	b–l	8·2
9·4		23·7	58·8	Ma	9·0
9·9		41·0	28·9		
9·6	32	1·8	40·6		9·8
9·4		4·3	34·9		9·5
9·4		9·4	59·2	a	9·2
9·5		17·8	11·7		9·8
10·0		18·3	13·7		
9·4		18·6	30·1		9·6
10·0		29·5	36·5		
9·8		57·3	52·1		10·
10·0	33	1·1	25·7		
9·8		4·1	20·4		
9·3		17·3	18·0		9·3
9·4		21·2	2·2		9·4
9·8		21·3	4·1		9·5
9·9		30·8	24·2		
9·9		47·3	47·9		9·8
9·9		56·6	17·7		9·8
10·0		58·7	1·9		10·
9·9	34	10·1	49·3		9·5
9·0		30·8	21·5	–	9·1
10·0		31·3	17·1		
8·6		32·3	23·3	b=	9·0
9·8		40·7	59·2		
10·0		57·6	14·8		
8·3	35	9·3	43·7	b	8·5
9·6		19·6	54·4		9·6
9·3		22·2	4·0		9·4
9·9		23·1	30·2		
9·3		26·7	1·0	a	9·1
9·3		30·8	24·6		9·5
9·2		32·3	33·2		9·2
10·0		38·7	1·9		
9·0	36	2·0	41·8		9·4
9·6		3·8	53·5		9·8
9·6		18·3	43·6		
9·5		22·6	54·4		9·8
9·6		25·6	5·9		9·5
9·6		31·6	33·9		
10·0		38·1	54·6		
9·5		53·3	40·8		9·8
10·0	37	11·2	52·3		
9·6		17·7	13·2		9·5
10·0		21·0	36·2		
10·0		27·1	9·6		
8·6		52·3	19·5	Ma	8·9
9·0	38	2·8	26·9	a	9·2
9·9		12·0	40·4		9·8
10·0		42·1	30·2		
10·0		43·8	3·7		
9·6		50·6	33·1		9·9
10·0		55·8	5·4		
9·0	39	6·6	19·1	a	8·9
8·7		17·6	17·6	Ma	8·6
10·0		58·1	55·9		
8·6	40	10·8	22·7	Ma	7·8
9·9		24·8	11·3		
9·9		51·6	10·0		9·6
	+1	15·3	−8·3		

5101—5160.

mag.	11h. m	s	−22° ′		
9·3	40	59·9	36·4	a	9·3
8·7	41	2·6	20·8	a	8·6
9·8		9·6	33·2		9·7
9·8		20·3	33·6		9·8
10·0		59·0	59·6		
8·0	42	9·6	23·8	Mal	7·1
10·0		52·2	59·9		
10·0		55·2	13·4		
10·0	43	1·2	39·5		9·9
10·0		13·0	25·9		
9·8		26·4	29·2		
10·0		31·2	13·7		9·6
10·0		32·0	27·1		
8·6		37·5	20·8	M=	8·3
9·3		41·7	52·3		9·5
9·8		47·7	5·6		
9·3	44	11·2	27·6		9·1
8·0		17·5	47·2	a	8·2
9·6		18·7	38·9		
9·6		22·7	10·1		9·3
9·6		30·2	40·0		9·5
9·1		30·2	32·5		9·0
9·0		30·2	49·1	a	9·1
9·6		38·7	49·1		
9·6	45	0·2	53·8		9·7
9·6		11·7	56·1		
10·0		14·2	18·6		
10·0		14·4	42·3		
9·3		16·7	41·9		9·0
9·5		29·4	1·0		9·4
9·6		39·2	55·0		
10·0		51·4	9·4		10·
10·0	46	5·1	59·9		
10·0		39·0	43·2		
9·6		56·8	32·0		9·8
10·0		58·8	37·0		
9·6		59·8	1·0		9·8
9·9	47	10·5	7·5		
9·8		25·0	54·3		
10·0		29·0	50·1		
9·3		39·2	48·6		9·1
9·1		48·2	24·2		9·0
10·0		57·0	0·0		
9·8	48	21·0	59·4		9·8
7·6		27·6	51·4	8·0	7·8
10·0		32·8	11·9		10·
9·9		50·1	43·2		9·9
9·8		51·6	45·0		9·7
10·0 -		55·0	29·0		
7·9	49	10·4	45·4	b	8·0
9·4		54·0	54·7		9·4
10·0		56·9	21·3		9·6
10·0	50	22·4	2·8		
10·0		41·7	21·8		10·
10·0		52·4	41·1		
9·7		56·4	26·6		9·4
8·8		57·9	48·3	–	8·5
9·8		59·7	0·2		9·8
9·2	51	9·4	30·4	–	8·5
10·0		18·2	44·6		
	+1	16·0	−8·3		

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5161—5220.

mag.	11h–12h. m	s	—22° ′		
10·0	51	27·7	26·6		
10·0		31·4	33·4		
10·0		39·9	33·9		
9·5		41·1	25·4		9·7
9·4		50·4	24·4		9·4
9·9		52·9	43·0		
9·7		57·2	53·8		9·8
9·0	52	8·2	56·8		9·1
10·0		22·1	20·4		9·8
10·0		26·3	0·2		
9·4		38·2	8·1		9·4
7·7		39·4	43·0	Mal	7·3
10·0	53	13·4	54·9		
9·2		15·9	50·0	a	9·2
9·7		18·7	3·6		
9·4		49·4	20·6		9·5
10·0	54	23·9	30·8		
10·0		27·4	19·3		
10·0		38·9	52·0		10·
9·5		40·4	56·3	a	9·4
10·0		42·3	0·1		
9·0		43·9	38·8	–	9·0
9·7		48·0	1·1		9·6
9·7		49·4	48·8		9·8
8·6		57·2	25·4	=	8·9
9·5	55	18·7	45·4		9·8
9·7		22·5	58·5		
9·6		27·9	44·0		9·8
10·0		35·9	14·9		
10·0	56	5·9	13·3		
10·0		21·4	49·5		
9·8		48·7	20·8		10·
9·8		48·9	17·7		9·8
9·9	57	10·9	27·4		9·5
10·0		30·7	53·3		
9·7		37·8	58·2		9·8
9·8		38·7	36·1		
9·7		38·9	47·0		9·6
9·0		52·7	12·0		9·2
9·4	58	0·4	15·4		9·5
9·5		4·4	4·7		9·8
9·2		9·9	24·1		9·3
10·0		15·9	17·2		
9·4		28·7	28·3		9·7
9·5		38·2	38·7		9·8
9·4		40·1	53·2		9·6
9·9		41·4	24·9		
9·2		42·7	55·9		9·6
9·9		51·7	47·0		
9·7		52·7	18·7		
10·0	59	1·1	1·4		
9·0		3·1	48·6		9·1
10·0		21·8	3·7		
9·4		39·5	9·4		9·4
8·5		43·3	54·2	8·5 Ga	8·3
9·6		50·1	25·5		9·8
7·6		51·1	6·0	GStlπ	7·2
9·6		52·3	49·1		
9·8		58·8	56·1		
9·2	0	20·5	20·6		9·1
25pr.	+ 1	16·6	—8·4		

5221—5280.

mag.	12h. m	s	—22° ′		
9·2	0	26·3	47·3		9·1
9·7		29·3	58·4		9·8
9·6		29·8	46·1		
8·8		30·3	24·5		8·8
10·0		53·1	43·7		
9·2	1	29·5	5·9		9·0
10·0		32·6	59·6		
10·0		49·8	32·5		
9·9		50·8	3·8		
9·9	2	7·0	58·7		9·8
10·0		13·2	44·7		
9·1		22·5	57·4	9·5 a	9·0
9·2		36·9	10·8		9·1
8·5		54·2	41·0	–	8·5
10·0	3	1·4	42·4		9·5
9·8		2·6	58·7		9·8
9·0		15·6	14·7		9·0
9·6		29·4	18·0		9·8
9·0		35·4	47·2		9·2
9·9		48·2	30·8		
9·7	4	4·6	26·6		9·6
9·9		18·6	22·7		
9·9		20·6	13·7		9·5
5·7		38·2	54·5	GSlπβ	6·0
9·9		38·9	52·0		
9·5	5	49·0	19·7		9·4
9·8		56·2	20·8		9·8
9·1		58·2	9·9	a	9·0
10·0	6	10·1	42·6		
8·8		11·4	7·5	a	8·8
9·8		19·4	28·9		9·8
9·6		21·1	38·7		9·8
9·4	7	13·9	43·0		9·3
9·9		20·9	19·7		9·8
10·0		22·6	51·2		9·8
10·0		29·3	57·9		
9·7		29·4	15·7		9·8
10·0		58·9	50·1		
10·0	8	15·0	45·0		
10·0		21·4	5·8		
9·7		38·0	10·3		9·5
10·0		49·0	49·8		
10·0		49·9	2·4		
9·4		51·2	25·9		9·3
10·0		58·5	17·9		
9·7		59·9	2·1		9·7
9·4	9	8·6	22·0		9·6
9·5		9·9	12·5		9·3
9·9		18·4	6·7		
7·0		19·2	39·4	Gb=l	6·8
9·8		22·9	6·7		9·4
9·6		41·4	21·3		9·8
9·0		43·1	8·2		9·3
9·4		50·2	7·3		9·6
9·7	10	10·7	55·1		
9·4		34·4	47·0		9·4
9·8		56·7	12·7		9·8
9·6		58·4	32·0		9·8
9·0	11	1·4	48·3		9·3
9·5		24·2	33·2		9·7
	+ 1	17·2	—8·4		

5281—5340.

mag.	12h. m	s	—22° ′		
9·5	11	26·2	36·6		9·5
9·2		52·4	15·1	a	9·1
9·9		57·1	2·8		
10·0	12	5·2	51·1		
9·5		6·7	31·6		9·8
9·0		9·7	19·0	a	9·3
9·3		32·2	11·7	a	9·0
9·7		39·7	12·4	a	9·3
9·9		41·7	41·5		9·8
9·9		43·9	29·5		
9·4		49·0	38·8		9·4
9·1		59·7	25·8	a	9·1
10·0	13	1·7	38·0		
10·0		6·9	57·8		
9·6		8·5	14·0		9·8
8·1		11·7	44·3	–	8·8
10·0		36·2	10·5		
9·5		36·7	29·0	a	9·2
9·8		39·7	7·2		
9·6		54·1	2·9		9·7
9·6		58·9	58·3		9·6
9·5	14	6·7	5·3		10·
9·8		7·0	46·6		
9·5		19·4	5·3		9·8
9·6		19·4	57·3		10·
10·0		27·1	58·9		
9·9		30·9	6·9		
9·8		37·2	44·2		
8·3		41·1	58·6	8·5 G=	8·6
9·4		50·9	24·0	a	9·3
8·1	15	11·4	11·7	a	7·7
9·9		17·4	2·4		
9·5		20·0	38·0		9·8
9·6		20·0	53·0		9·9
9·4		47·3	26·3		9·5
10·0		48·5	18·1		10·
9·8		57·3	16·5		10·
9·8	16	0·0	16·9		
9·6		10·0	24·1		9·7
9·9		11·0	22·0		
8·3		12·5	33·7	–	8·5
9·0		21·3	33·5		9·4
9·7		56·5	8·5		
10·0		59·3	28·0		9·8
8·6	17	5·5	4·6	Ca	8·8
9·8		30·3	13·9		9·9
9·8		37·0	53·1		
9·2		44·8	8·9	Ca	8·8
9·4		52·0	6·6	a	9·2
9·6	18	6·1	47·8		9·8
9·1		9·4	59·3	8·5	9·0
9·9		19·5	41·0		
9·7		41·8	49·0		
9·6		47·0	32·7		9·4
10·0		50·0	21·0		
9·8		50·0	11·8		9·9
9·5		56·5	48·4		9·8
8·4	19	7·8	7·5	Ca	8·3
10·0		19·3	32·1		
9·8	20	10·1	1·3		10·
	+ 1	17·7	—8·3		

5341—5400.

mag.	12h. m	s	—22° ′		
10·0	20	16·4	17·0		
10·0		18·7	15·6		
9·9		21·9	47·6		
9·6		28·9	42·8		9·7
9·8		39·1	17·5		9·7
10·0	21	20·1	54·4		
9·8		21·9	29·9		9·7
9·2		29·1	43·1		9·1
8·5		32·1	32·1	a	8·5
9·3		36·4	30·0	a	9·1
8 6	22	9·4	13·8	Ca	8·2
9·9		32·1	36·3		
9·0		34·8	2·3	a	8·9
9·6	23	1·4	21·4		9·8
9·4		2·0	30·0		9·4
9·8		16·2	15·9		
9·7		41·0	21·1		9·9
9·8		51·0	10·3		9·6
10·0		52·0	32·3		
8·9		55·0	51·4	9·0	9·0
10·0	24	0·7	49·9		
9·8		12·0	54·7		
9·4		13·7	39·0		9·1
8·6		33·4	36·3		8·8
9·6		39·2	21·4		
9·4		46·2	18·5		9·6
9·8	25	19·2	32·5		
10·0		24·2	54·0		
9·6		34·2	23·5		9·4
9·5		36·0	1·2		9·5
9·8		45·7	14·3		
10·0		51·7	34·5		
9·7		59·7	11·4		9·7
10·0	26	15·7	56·6		
9·4		29·7	52·2	9·5	9·4
8·8		34·6	0·5	Ca	8·6
9·6		50·6	9·2		9·7
9·4		54·1	53·7		9·4
9·0		55·6	18·7	a	8·9
9·8	27	1·6	49·6		
7·9		14·9	49·3	Watlπ	7·8
9·0		19·6	24·2		9·0
10·0		21·8	39·7		9·8
9·4		28·7	30·7	}	9·0
9·4		29·3	30·6	}	
7·6		30·9	51·3	7·5GWlπ	7·5
9·0		44·6	16·8	a	9·1
4·8		49·9	42·3	GSπβλ	2·
10·0	28	4·0	8·8		
10·0		6·6	21·2		
10·0		7·3	29·9		
8·5		15·0	47·1	Wa	8·7
10·0		20·1	20·0		
10·0		28·6	59·5		
8·8		29·7	27·9	a	8·7
9·4		38·2	17·2		9·5
10·0		41·1	20·4		
10·0		42·4	16·5		
9·6		49·2	37·3		9·8
10·0	29	22·3	15·0		
	+ 1	18·4	—8·3		

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5401—5460.

mag.	12h. m	s	—22° ′		
9·0	29	43·3	16·8		8·7
9·5	30	0·8	48·6		9·2
9·4		1·5	10·1		9·4
9·6		26·1	45·6		9·8
9·2		45·6	59·2	9·0 G–	8·9
9·7	31	5·9	3·2		9·8
9·7		9·8	48·9		
10·0		17·6	45·9		
10·0		25·8	22·8		
9·4		30·8	9·3		9·5
9·9		57·1	54·1		
9·4	32	18·3	52·5		9·8
9·9		21·5	10·8		
10·0		31·8	43·2		
10·0		32·6	30·9		
9·4		34·1	15·5		9·7
9·6		36·1	25·5		9·9
9·5		36·6	56·5		
9·6		36·8	40·4		9·8
9·8	33	5·3	26·2		
9·4		6·8	56·1		9·8
9·4		10·1	40·6		9·9
9·4		17·3	18·8		9·2
8·4		19·8	52·2	8·5 GMal	8·3
8·8		24·6	46·6	a	8·9
9·8		28·0	39·6		
9·9		34·4	24·9		
9·9		39·5	30·4		
9·8		50·7	11·3		
9·5		58·0	41·3		9·9
9·6	34	10·4	44·8		
10·0		19·7	44·5		
9·8		31·4	17·2		
10·0		33·2	35·1		
9·7		36·7	36·8		10·
9·5		40·1	1·7		9·2
8·7		46·2	49·9	9·0 Ma	9·0
9·2		51·0	15·5		9·5
10·0		56·2	10·8		
9·8	35	5·0	8·6		
9·8		9·4	45·0		
9·5		12·7	6 0		9·8
9·8		20·0	47·4		
8·3		21·3	2·5	Ca	8·5
9·5		31·0	47·2		9·8
9·2		35·4	11·2	Ca	9·0
10·0		42·2	32·9		
9·2		44·7	36·6		9·5
9·9	36	0·7	27·8		
9·4		6 2	9·7		9·8
9·8		7·2	18·8		
9·9		22·7	12·6		
9·5		36·4	0·4		9·5
10·0		37·7	38·4		9·8
8·6		45·7	46·9	–	8·6
8·9		59·9	58·6	9·5 G	9·3
9·1	37	2·2	55·1	9·0 G	9·3
9·4		6·1	58·6	9·5	9·4
8·7		8·4	10·5	Ca	8·3
9·5		8·4	49·4		
25pr.	+ 1	18·8	–8·3		

5461—5520.

mag.	12h. m	s	—22° ′		
10·0	37	20·2	24·9		9·8
8·6		25·0	22·8	a	8·8
9·4		28·0	17·5		9·6
9·5		28·4	48·3		
9·4		38·0	32·8		9·8
9·8		39·7	4·2		
10·0		41·7	3·3		
9·4		47·2	45·9		9·8
9·4		50·4	53·5		9·9
10·0		55·4	12·3		
8·8	38	2·1	33·9	–	8·5
9·4		9·3	35·7		
9·6		13·9	37·5		9·8
10·0	39	1·1	5·4		
10·0		15·3	29·0		
10·0		29·9	34·8		
9·8		30·6	22·2		10·
9·9		31·1	48·4		
9·5		33·9	4·8		9·5
10·0		58·1	55·4		
9·2		58·9	1·4	Ca	8·7
9·6	40	54·3	13·7		9·6
10·0	41	2·1	56·1		
9·9		3·9	5·6		
9·8		25·9	38·7		9·5
10·0		39·6	13·6		
9·9		47·1	39·9		
8·8		59·6	52·6	a	8·8
10·0	42	0·5	0·4		
9·6		3·1	17·7		9·4
9·6		12·9	19·0		9·4
9·1		22·0	54·4		9·2
8·5		24·1	33·2	a	7·5
10·0		39·3	23·0		
10·0		52·6	57·8		
10·0	43	9·6	26·8		
10·0		17·9	47·4		
10·0		24·6	8·8		
10·0		42·6	36·7		
10·0		59·3	48·4		
9·6	44	55·2	46·4		9·4
9·7		59·7	22·0		
9·9	45	6·0	10·8		
9·8		9·9	48·4		9·7
9·7		11·9	12·7		
9·2		12·4	56·5		9·1
9·6		18·4	38·7		9·5
9·8		19·9	6·8		9·7
9·9		32·1	10·6		9·7
9·4		35·4	29·0		9·4
9·4		39·4	18·7		9·1
7·9		55·4	27·3	al	7·0
9·4	46	2·4	28·6		9·4
9·8		7·4	31·3		
10·0		8·7	56·7		
10·0		20·4	20·3		10·
9·9		22·4	20·8		
9·0		27·7	29·1	a	8·7
10·0		29·7	4·3		
10·0		30·3	0·2		
	+ 1	19·3	–8·2		

5521—5580.

mag.	12h. 13h. m	s	—22° ′		
9·2	46	39·9	15·9		9·4
9·2		54·1	11·6		9·0
10·0		56·4	59·8		
9·9		57·7	26·1		
8·3	47	2·6	25·8	al	8·0
9·5		5·4	11·8		9·8
9·9		22·7	52·4		
9·6		38·4	39·3		9·4
10·0		42·3	23·5		
9·4	48	15·0	33·7		9·5
9·9		33·4	35·5		
9·4		45·0	2·3	C	8·9
9·4		54·3	16·0		9·2
9·2	49	12·8	16·6		9·4
9·0		13·3	55·3	9·5	9·2
9·6		14·3	18·5		9·4
9·4		44·3	4·3		9·3
10·0	50	14·5	10·2		9·4
9·4		22·8	0·9		9·3
7·1		53·3	4·6	GCal	6·3
6·9	51	30·3	22·6	Gatlπ	7·2
8·8		53·8	37·6	a	8·5
9·4		56·3	10·9		9·1
9·2	52	46·8	5·2		9·5
10·0	53	30·8	54·9		9·8
9·8	54	52·3	48·6		8·9
9·6	56	27·8	38·1		9·0
9·6		57·8	55·2		9·5
8·8	57	7·3	50·9	a	9·0
8·2		52·3	9·2	Ca	8·3
9·8	58	11·3	25·8		9·5
9·2		12·8	8·3		9·2
10·0		33·7	58·9		9·3
10·0		56·3	13·8	M	9·2
9·1	59	22·6	59·5	a	9·2
9·4		43·8	22·6		9·5
9·6		47·3	52·8	10·0	9·1
7·9	1	23·3	55·2	7·5 Gal	8·0
7·5		56·3	26·2	Gbtlπ	6·9
9·6	2	13·3	15·0		9·5
6·6		19·3	26·8	GStlπ	5·0
7·8		31·3	32·4		8·2
8·8		34·3	46·9		9·1
8·0		43·8	11·0	C	8·2
10·0	3	9·8	21·0		9·5
8·8		16·3	30·4		9·0
7·5		25·3	44·8	b–l	7·5
6·9		36·1	57·6	bl	7·5
9·2	4	32·8	55·5		9·2
9·2	5	37·3	40·4		9·0
10·0		53·3	41·4		9·8
9·0	6	0·8	18·6		9·4
10·0		6·3	3·6		
9·0		10·3	13·8		9·3
8·2		26·8	16·0	Cal	8·3
9·4	8	22·3	9·2		9·2
10·0		24·4	2·0		9·6
9·8	9	22·7	8·2		9·5
10·0		24·9	9·4		9·5
8·8		27·9	53·2	9·0 =	8·5
	+ 1	20·3	–8·1		

5581—5640.

mag.	13h. m	s	—22° ′		
9·0	10	41·1	5·4		8·3
8·8		42·1	26·7	=	8·6
8·6	11	15·6	50·4	a	8·6
5·0	12	7·1	30·6	GWπμβ3·	
9·1		18·1	52·8	a	8·8
9·6		27·1	21·5		9·4
9·6	13	1·6	41·2		9·2
9·4		2·5	39·3		9·4
9·8		23·0	21·3		9·7
7·2	14	36·5	8·4	Ca	7·0
9·2		55·5	51·7		9·1
10·0	15	8·5	36·5		9·9
9·1		19·5	11·8		9·2
8·4		45·0	17·8	C–	8·4
8·4		46·5	17·8	Ca	8·9
8·8	16	25·5	13·2		9·1
8·8	17	42·5	55·9	9·0 a	9·0
8·5	18	5·5	41·8	–	8·5
9·2		39·5	14·9		9·0
9·6		53·9	15·5		9·5
8·8		54·5	2·6		9·0
9·6		56·0	11·5		9·5
9·2	19	21·0	26·3	a	9·0
8·0		26·5	35·3	a	8·1
9·6		46·5	12·9		9·5
9·1		46·5	34·8	a	8·7
9·6		54·0	11·9		9·7
9·6	21	7·5	52·0		9·4
10·0	22	0·0	40·5		9·6
9·4		2·5	51·2		9·5
8·8		25·5	31·2		9·0
9·1	23	33·5	36·0		9·0
9·1		35·5	50·8	9·0 a	9·0
9·0		46·5	33·4		8·3
9·8		52·0	48·4		9·1
10·0	24	15·3	10·6		9·7
9·8		25·3	22·5		9·7
9·4		30·0	10·2		9·4
8·8	25	13·5	14·8	a	8·7
9·0		15·5	19·3	a	9·0
9·0		18·0	19·3		9·1
9·6	26	12·5	42·9		9·5
9·6		58·3	0·9	a	9·1
9·1	27	38·9	10·4		9·1
10·0		48·0	33·0		
10·0	28	20·3	38·6		9·8
9·6	29	43·5	14·6		8·9
7·0	30	17·8	58·5	7·0GWbl	7·0
9·3		25·3	36·5		9·2
10·0		41·8	14·7		9·7
9·2		52·0	58·2	9·5	9·8
8·0		54·5	7·5	Ca	8·3
8·4	31	4·3	34·8	a	8·2
8·6		20·3	23·9		9·0
8·6		25·8	8·2	Ca	8·9
10·0	32	7·8	10·0		9·3
10·0		53·8	6·8	a	9·4
8·7	33	16·6	0·1	Ca	8·5
8·8		28·6	23·9	a	9·0
9·3	34	22·6	50·9		9·5
	+ 1	21·6	–7·8		

5641—5700.

mag.	13h. m	s	—22° ′		
6·9	34	36·6	48·9	6·5 Gtlπ	6·7
8·8		41·9	58·7	9·5 a	9·3
8·6	35	7·6	28·9	a	8·7
10·0		8·6	49·5		
10·0		29·1	38·9		
9·2		51·1	41·1		9·4
8·5	36	2·6	32·5	a	9·2
9·8		4·6	31·1		9·4
9·3		5·1	32·2		
9·0		11·6	10·3		9·3
9·0	37	16·1	6·7		9·5
10·0		19·6	5·9		9·8
9·2		29·6	15·9		9·3
8·7		47·6	12·5		9·2
10·0	38	5·6	55·5		
10·0		39·6	17·9		9·8
9·8	39	6·1	23·3		
9·0		26·6	4·5	a	9·2
8·8	40	16·6	50·9	8·5	8·5
7·9		48·4	47·5	–	8·3
9·3	41	21·4	44·0		9·5
9·6		46·4	3·7		9·4
8·0	42	6·4	5·9	CWa	8·2
8·5		31·4	50·6	9·5	9·0
10·0		47·9	41·9		9·7
9·6		48·3	55·3		9·8
9·4	43	11·9	26·5		9·3
9·8		22·4	25·5		9·4
9·3		24·9	45·6		9·6
9·4		46·4	13·6		9·7
9·2		51·9	49·1	a	9·5
8·8	45	45·9	25·0	a	8·8
8·4	46	9·4	53·7	a	7·8
7·8	47	5·4	55·6	8·0 al	7·7
9·3		15·4	1·6		9·2
8·6	48	35·4	8·7	a	8·8
8·7		47·0	26·1		9·1
8·4		47·4	43·4	a	9·0
10·0	49	9·4	22·9		9·8
10·0		13·4	23·4		9·8
7·1	50	2·8	29·4	b–l	7·7
9·9		26·8	44·2		9·3
7·4		31·3	24·7	GWb=l	6·6
9·1	51	9·8	46·6		9·3
9·4		26·8	55·8		9·5
9·9		33·8	37·4		9·4
9·2		35·8	38·7		9·4
8·9		39·8	15·3		8·9
8·0		45·3	38·1		8·9
9·4	52	18·8	34·3		9·7
9·4		25·8	16·0		9·0
9·9		32·8	54·8		9·6
9·5		34·8	54·7		9·5
8·6	53	4·3	49·1	a	8·2
9·4	54	10·8	17·8		9·4
8·6		16·8	44·7	a	8·8
8·6		55·8	46·2	a	8·3
9·9	56	16·8	25·9		9·6
9·1		17·3	4·0	C	9·1
9·8		39·0	40·4		9·4
25pr.	+1	22·8	–7·5		

5701—5760.

mag.	13h.–14h. m	s	—22° ′		
9·9	56	50·0	7·6		
9·2		59·9	0·9		9·1
8·0	58	7·3	1·3	Cbl	7·5
8·8		24·8	33·8	a	8·7
8·4		37·3	32·2	a	8·6
8·8	59	2·3	0·0	a	9·0
8·4		4·3	7·6	a	8·8
8·8	0	5·3	31·0		9·2
10·0		11·0	32·1		9·8
9·6		16·8	29·3		
8·4		23·3	52·6	Gb	9·0
8·2		47·3	42·0	a	8·2
9·0	1	45·8	10·2	b	9·0
8·6	2	8·3	10·2	b	9·0
9·2		9·4	2·5		9·2
9·8		28·0	4·7		
9·4	3	16·3	45·7		9·3
9·9		35·8	16·8		9·7
8·4		37·3	21·0	a	8·5
9·2		41·0	54·2		9·3
9·6		58·8	57·3		9·8
9·4	4	13·3	47·3		9·5
8·0		15·3	14·1	a	8·6
9·4		22·3	31·0		9·5
9·4		53·3	19·5		9·5
9·2	6	46·9	39·6	a	9·0
8·2	7	17·1	32·7	a	8·2
9·6		39·5	6·6		9·7
8·8		49·9	48·7	a	9·0
8·8		52·1	21·8		9·1
8·9	8	25·9	29·4	a	9·1
9·5		28·6	19·4		9·4
9·6		59·6	18·1		
10·0	9	5·3	14·9		9·7
9·6	10	11·8	16·9		9·2
10·0		40·2	10·1		9·6
8·7		47·7	17·8		9·1
9·6		59·9	59·2		9·8
9·7	11	6·2	19·5		9·5
9·7		10·2	52·1		
9·4		44·2	54·2		9·4
7·5	12	2·7	22·5	a	7·3
8·6		16·7	47·5	a	8·5
9·7	13	35·2	48·9		9·5
10·0	14	22·4	45·5		9·7
9·4		24·7	10·9		9·5
8·6		28·2	15·5	–	8·6
9·6		33·2	9·0		9·7
8·8		36·7	26·5	–	9·0
9·6		39·2	19·9		9·5
10·0	15	25·7	46·1		9·8
9·2		26·7	21·4	a	9·0
9·4		27·2	47·9		
9·2		35·7	29·9		9·0
10·0		53·1	37·7		9·6
9·3	16	0·6	20·9		9·8
9·4		16·6	46·1		9·8
10·0		22·1	4·3		9·8
10·0		37·1	7·4		
9·0		48·6	8·9		8·8
	+1	24·1	–7·1		

5761—5820.

mag.	14h. m	s	—22° ′		
9·3	16	48·6	53·6		9·5
9·3		50·1	46·4	a	9·2
9·4	17	13·1	50·8		9·5
9·2		53·6	54·1		9·3
8·9		57·1	0·9	a	9·0
10·0	19	3·1	15·2		9·8
9·3		12·1	50·0		9·4
9·3	20	13·1	32·6		9·5
9·4		41·6	46·5		9·8
10·0		43·6	1·7		9·8
9·2	21	0·4	2·1		9·2
8·0		18·6	26·8	=.	7·8
7·8		24·6	24·7	–	8·1
9·6		41·6	27·0		9·8
8·4		58·6	3·8	a	8·8
8·6	22	22·6	51·8	9·0	8·8
9·6		57·9	59·5		9·3
8·8	23	27·1	23·5	a	9·1
10·0		32·7	11·7		
8·8		48·7	0·2	Cal	8·6
9·6	24	3·9	57·9		9·1
8·4		16·1	31·5	a	8·8
7·3	25	0·1	53·4	7·5 Gbl	7·0
9·8		3·6	38·9		
8·6		16·1	6·2		9·3
9·6		22·6	43·6		9·5
8·6		51·6	27·0	a	9·1
9·0	26	27·6	21·8		9·2
10·0		39·6	12·3		
9·4		43·2	7·9		9·6
10·0	27	26·6	37·1		
9·2		40·4	23·0		9·0
9·6		54·1	46·4		
9·4	28	4·1	59·2		
9·4		19·9	6·4		10·
10·0		33·0	50·2		
9·4		33·9	32·0		9·2
8·8		43·9	39·1		9·3
10·0		52·9	55·1		9·8
8·6	29	18·6	11·2		9·2
8·9		32·3	49·0		9·5
9·9		36·8	38·4		
9·2		39·3	37·1	a	9·2
9·9		47·8	37·7		
9·4	30	24·3	26·0		9·0
8·4		51·8	37·2	Gbtlπ	7·5
9·9	31	10·0	59·9		9·8
9·4		15·8	19·6		9·3
9·9		26·8	49·5		
7·9		47·3	46·1	bl	8·0
8·6	32	3·3	29·1		9·1
9·9		46·7	59·3		9·8
9·9		52·3	52·2		10·
9·4	33	53·3	46·4		9·3
7·4		58·8	4·8	Gatlπ	7·3
9·8	34	30·8	42·7	a	9·5
9·8		41·8	5·7		9·4
9·9	35	2·3	4·3		9·8
7·4		13·8	53·3	7·0 Gal	7·2
9·2		18·7	14·3		9·2
	+1	25·0	–6·7		

5821—5880.

mag.	14h. m	s	—22° ′		
9·9	35	35·7	27·6		9·4
9·2		39·2	44·4		9·5
8·4	36	14·7	28·8	a	8·9
9·2		53·7	19·4		9·9
8·7	37	8·7	26·2	a	9·0
9·0		11·7	27·8	a	9·0
9·4		22·2	13·2		9·5
9·2		22·2	47·3		9·1
9·8		26·7	4·2		
9·9		27·2	56·6		
9·2		30·7	20·6	a	9·0
9·4	38	29·2	55·8		9·5
9·4		42·2	23·2		10·
9·2		42·2	5·4		9·5
6·9		56·2	37·3	Gal	6·3
9·9	39	3·2	8·0		
9·8		43·7	28·0		9·5
9·0		47·2	40·6	a	9·5
9·9	40	23·2	21·9		9·2
9·6		39·2	38·1		
9·9		45·9	52·3		
9·9	41	53·9	7·9		9·7
9·9	42	48·6	2·8		
9·8	43	2·6	32·7		9·4
8·0		5·1	3·1	Ca	8·8
9·9		15·8	34·1		
8·8		21·1	43·7	a	9·1
9·9		38·1	53·6	Ga	9·5
9·8	44	29·6	9·9		9·3
8·8		58·1	29·7	a	9·1
9·0	45	9·6	39·7		9·5
7·8	46	6·0	57·3		8·3
9·0		10·1	34·5	a	9·2
9·2		26·1	38·0	a	9·3
9·9	47	6·8	12·5	a	9·2
9·6		32·9	11·1		9·8
10·2		38·6	5·6		
9·4		50·8	10·4		9·3
10·0		59·4	57·1		
9·4	48	11·9	37·4		9·5
10·0		35·9	12·0		9·6
9·9		43·4	37·9		9·5
9·5	49	17·1	26·6		9·8
9·6		50·6	12·6		9·4
10·1		56·4	23·7		9·9
9·5		57·3	58·3		9·5
9·6		58·6	29·0		9·6
9·6	50	22·6	4·2		10·
10·2		23·7	7·0		9·6
9·5		39·9	27·9		9·5
10·2	51	29·7	5·4		
10·1		39·2	16·3		
9·8	52	6·7	22·1		9·7
9·1		13·9	46·9	a	9·0
10·2		24·3	40·3		
10·2		27·2	43·0		
10·2		46·2	14·2		
10·2		46·7	2·0		
10·1		51·9	10·7		
10·2	53	1·9	16·8		
	+1	26·0	–6·3		

5881—5940.

mag.	14h–15h m	s	−22° ′		
8·4	53	17·7	21·0	a	8·0
10·1		29·9	11·0		
9·6		31·7	15·0		9·8
9·6		33·4	30·1		9·5
8·3		46·9	40·9	a	8·5
9·8	54	1·7	30·5		
9·6		30·4	43·3		
10·0		46·1	16·5		
9·6	55	2·7	22·4		
10·2		9·4	54·1		
9·8		19·4	17·0		9·8
8·8		36·4	37·2	a	8·5
9·6		42·4	12·1		9·2
9·5		51·4	44·8	a	9·0
10·2	56	8·4	18·2		9·8
10·2		13·9	21·1		
9·8		14·2	19·5		9·8
9·6		19·5	58·3		9·8
9·5		31·9	59·2	9·0	9·1
9·4		38·7	1·7	–	9·2
10·2		41·1	27·8		
9·4	57	8·7	4·7		9·4
9·5		37·9	3·5		9·6
9·1		42·5	40·7	b	9·4
9·8		47·7	41·4		9·3
9·8		48·5	41·8		
10·1		50·5	27·8		
10·1		55·5	7·0		9·5
10·1		57·9	12·9		
7·6	58	2·5	31·3	bl	7·5
10·1		3·2	7·9		
9·2		7·2	30·0		9·1
9·6		27·6	8·8		
8·5		33·5	28·9	bl	8·5
10·0		33·7	18·2		
10·2		41·5	53·1		
10·2		49·9	26·7		
9·9		55·5	49·5		
9·1		56·2	44·1		9·2
7·8		57·0	50·1	7·5 Gtlπ	8·0
10·0	59	12·0	12·8		
9·8		15·5	29·6		
9·9		38·3	21·0		
9·9		48·5	46·7		
9·6		54·0	0·5		9·7
9·8		56·0	24·0		
9·1	0	33·5	12·9	–	9·2
9·6		57·7	50·7		9·5
10·2		58·0	9·3		
8·8	1	38·5	35·0	b–l	7·7
9·4		41·3	43·1		9·0
9·6	2	10·3	9·4		9·6
10·2		13·5	42·3		
9·8		23·5	56·1		9·8
7·9		46·0	14·4	–	8·3
9·8	3	14·0	7·9		
10·1		27·5	25·2		
10·2		37·5	7·9		
9·9		46·0	37·4		
9·9		52·5	50·5		
25pr.	+1	26·5	−6·0		

5941—6000.

mag.	15h m	s	−22° ′		
10·2	3	53·6	18·9		
9·5		58·2	56·9		9·4
9·8	4	4·4	19·7		9·8
10·1		5·0	41·1		
9·9		15·1	19·6		
10·2		22·4	27·8		
9·8		28·8	50·5		
10·1		48·1	56·3		
10·0		49·6	33·1		
9·0	5	4·3	52·2		9·1
10·0		29·6	6·9		9·7
9·1		34·6	45·8		9·2
10·0		36·4	7·0		
9·6		41·6	15·3		9·6
10·0	6	24·1	13·7		
10·2		25·4	18·3		9·5
9·9		25·6	50·0		
9·4		40·1	53·2		9·2
9·2		49·1	10·9		9·3
9·5	7	2·7	7·7		9·8
9·1		6·7	0·1		9·0
9·4		32·2	2·1	–	9·4
9·5		38·7	41·1		10·
9·5		48·4	53·3		9·5
10·2		50·8	54·0		
8·9		52·5	27·0	al	8·8
9·8	8	33·4	6·0		9·8
10·1		45·8	47·6		
10·2		52·8	23·0		
10·1	9	14·8	14·1		9·3
10·1		26·0	58·0		
10·1		59·3	45·1		9·0
10·2	10	12·8	2·2		
9·2		23·5	50·2		9·5
10·2		46·0	36·2		9·8
9·6	11	32·8	17·2		9·7
8·6		43·8	52·0	a	8·9
10·2		43·8	37·7		
10·2		58·3	14·7		
10·1	12	16·8	47·3		
10·2		23·3	11·4		
9·1		47·8	26·2		9·1
10·2	13	12·3	38·0		9·8
9·2		35·8	13·9		9·5
10·2		36·0	32·5		9·5
10·2	14	19·8	2·1		9·6
8·4	15	5·8	31·5	al	8·5
8·8		9·8	7·1	C–	9·1
9·8		15·7	57·6		9·3
10·1		21·3	28·9		9·5
8·1		26·3	26·9	al	8·5
9·8		26·3	39·2		9·3
9·6		31·8	22·2		9·8
8·8		42·3	58·9		9·2
9·2	16	0·8	59·2		9·5
10·2		41·3	36·7		
9·0		53·8	16·6	Wal	8·8
10·2	17	5·3	9·3		
10·2		30·5	0·2		
7·8		35·3	55·0	8·0 G–	8·5
	+1	27·0	−5·7		

6001—6060.

mag.	15h m	s	−22° ′		
8·7	17	37·3	27·3		9·0
9·6		45·3	15·1		9·8
10·0		47·8	18·2		
9·2	18	5·3	52·6		9·0
9·4		16·3	19·5		9·4
9·4	19	1·8	57·0		9·5
10·1		5·8	30·3		
8·4		27·3	3·9	CWa	8·5
9·5		27·3	48·2		9·8
9·4		47·3	26·2		9·8
9·2		52·8	27·0	a	9·2
9·6	20	49·3	49·1		9·5
9·4	21	11·3	59·2		9·5
10·0		13·3	38·6		
9·6		18·3	40·7		
9·8		34·8	32·0		9·5
10·0		44·3	29·7		9·6
8·4		57·8	15·9	Ck	9·0
9·4	22	7·8	59·9		
10·1		11·3	23·7		
10·2		17·8	49·2		
10·0	23	20·3	20·2		9·7
10·2		26·8	33·4		9·8
9·4	24	32·3	25·2		9·1
10·0		55·7	41·1		9·8
10·2	25	2·5	26·2		
9·0		11·2	36·8		9·3
9·4		32·7	35·5	a	9·5
10·1		38·7	4·9		
8·4	27	2·4	34·8		9·0
10·2		13·2	57·7		9·5
9·4		22·4	21·1		9·1
10·2		31·5	17·7		
9·1	28	21·0	57·0	a	8·9
9·4		24·6	34·9		9·2
10·1		35·7	8·1		9·7
9·6		51·2	13·4		9·6
9·2	29	23·5	31·4		9·3
10·0		32·5	11·2	W	9·4
10·0		52·0	29·6	W	9·2
6·6	30	27·0	43·5	GWkbl	6·0
10·0		34·0	13·1		9·5
8·0	31	23·5	38·2	GWal	7·7
9·5		32·0	11·0		9·4
8·0		42·0	3·8	C–	8·2
9·1		43·5	47·4		9·4
6·4	32	0·5	44·4	GWal	7·0
10·0		9·2	46·8		
9·7		9·7	49·3		9·4
9·7		17·2	43·3		
9·6		19·7	44·3		9·5
9·4		23·7	28·9	W	9·3
10·0		24·2	55·9		9·7
10·0		25·7	11·1		9·7
10·0		46·7	0·1		9·2
10·0	33	9·7	11·1		9·7
10·0		52·2	26·1		
9·4		59·2	16·5		9·6
8·0	34	31·2	52·1	Gkbl	8·0
7·8		42·7	37·9	al	8·3
	+1	27·7	−5·2		

6061—6120.

mag.	15h m	s	−22° ′		
10·0	35	2·7	47·1		
10·0		49·2	11·7		9·8
8·3	36	42·7	18·2	Ca	8·6
8·8	37	0·9	56·4	a	8·9
10·0		5·5	2·1		10·
8·7		32·4	41·3		9·0
8·0		49·9	29·7	bl	8·6
10·0		52·4	15·7	}	9·4
10·0		54·7	15·8	}	
10·0	38	17·4	23·5		9·6
7·6		21·9	21·4	Wal	6·7
9·0		35·9	11·8		9·0
9·0	39	36·9	43·4		9·1
9·8	40	22·9	25·7		9·8
9·2		36·9	17·4		9·4
8·4		45·9	58·3	9·0	9·0
8·8		45·9	59·1	9·0	9·2
9·3	41	12·9	27·5		9·4
9·5		40·4	39·2		9·5
9·7		52·4	32·5		9·5
10·0		54·9	32·9		
8·9	43	4·4	29·2		8·8
7·4		16·2	52·4	7·0 Gbl	7·3
7·6		44·2	14·5	Cal	7·4
8·9	44	3·7	12·7	Cal	8·6
10·0		23·7	5·9		9·7
9·2		24·2	6·7		9·4
8·7	45	1·2	38·7		9·1
9·2	46	51·2	47·8		9·5
6·7	47	18·9	23·5	Gal	6·8
9·6		27·5	32·5		9·5
10·0		43·5	23·7		9·5
9·8		47·0	7·8		9·4
9·8		50·0	31·4		9·2
7·8		53·2	59·9	8·5 Ga	8·4
10·2	48	56·3	37·0		9·3
7·4	49	23·5	49·0	al	8·0
8·2	50	37·3	11·0	a	8·5
9·6	51	13·3	35·5		9·4
10·2		58·8	25·7		9·5
10·2	52	0·3	41·4		9·4
8·8		19·3	19·3	a	9·0
8·4		29·8	12·6	–	9·0
8·4		36·3	50·5	8·5 –	8·5
10·0		41·7	59·2		9·5
2·9		55·8	15·7	GSπμβ	2·
10·0	53	18·3	14·0		
8·6	54	26·3	27·1	K	9·0
7·3		50·3	20·0	al	7·7
7·3	55	20·3	49·7	8·5 al	7·8
10·2		30·3	25·2		9·7
9·4		33·8	49·0		9·5
10·2		48·8	38·6		
9·8	56	37·8	5·3		9·5
10·2		42·3	6·7		
10·0		46·3	42·2		9·4
10·2	57	50·3	52·7		10·
9·8	58	3·5	59·4		10·
10·2		16·8	36·4		9·8
9·6		33·8	15·3	=	9·1
	+1	28·4	−4·6		

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6121—6180.

mag.	15h.–16h. m	s	—22° ′		mag.
10.2	58	48.8	26.8		9.7
8.6	59	14.8	33.3	K	9.0
9.8		24.8	46.2		9.8
9.0		33.8	37.9		9.0
10.2		45.8	18.3		9.9
9.4	0	34.8	39.4		9.5
10.2		56.8	17.1		9.7
9.4	1	4.8	4.2	a	9.2
10.2		7.8	31.3		9.5
9.4		14.8	59.8	9.0	9.4
9.8		16.8	12.9		9.5
9.8		16.8	22.6		9.5
9.0		16.8	30.7		8.9
7.9		57.3	50.7	8.5 Gal	8.5
8.6		58.8	37.0	al	8.5
9.8	2	2.3	16.4		9.4
7.8		34.3	4.7	Ca	7.8
9.4		45.3	7.4		9.3
7.4		58.8	46.4	al	8.0
10.2	3	11.8	18.0		
10.2		29.3	14.9		9.4
10.2		36.3	44.4		9.5
8.4		48.8	52.5	9.0 Ga	9.1
10.2		52.8	21.0		9.9
10.2		58.8	56.7		
10.2	4	22.8	48.0		10.
8.1		27.3	13.0	Cal	8.2
8.7		38.8	55.1	9.0 al	9.1
10.2		57.3	18.6		9.7
10.2	5	41.8	50.6	9.5	9.5
8.4		46.8	9.7	a,	8.8
8.6	6	32.3	7.1	a′	8.8
9.6		34.3	36.3		
10.2		42.3	24.0		9.8
9.4		55.3	21.7		9.0
9.6	7	8.9	53.8		9.5
9.8		10.5	19.9		
9.6		22.3	20.7		9.5
7.3		28.9	3.8	Gatlπ	7.3
8.4	8	15.9	29.4	b	8.7
9.8		32.3	50.6	a	9.1
8.4		51.3	50.8	a	8.6
9.0		51.5	48.8	a	9.1
8.0	9	26.0	47.9	Gka	8.5
10.0		32.2	31.0		9.8
neb.		36.0	39.8	kb	*neb.*
8.2		47.4	36.5	Gkb	8.0
9.3	10	0.0	53.9		9.3
9.3		3.4	44.9		9.2
9.0		15.1	11.0		9.0
9.4		15.6	16.4		9.8
8.9		22.1	35.2	Gb	9.2
9.0		42.1	23.6		9.2
9.2		49.1	50.0	9.5 Ga	9.2
9.0		52.2	58.5	9.5 a	9.2
7.3	11	0.5	57.9	8.0 Gbl	7.3
10.0		12.0	4.5		
8.8		25.0	27.2	a	8.9
9.4		27.0	33.6		9.7
9.0	12	12.0	7.8	–	9.2
25pr.	+1	29.0	–4.0		

6181—6240.

mag.	16h. m	s	—22° ′		mag.
10.0	12	38.0	29.8		9.8
9.2		42.0	12.9		9.5
8.4	13	24.0	17.5	Ξ	8.5
8.8	14	52.5	20.4		9.0
7.7	15	23.0	49.3	8.0 Wbl	7.3
9.4	16	26.0	4.6	C=	9.0
8.2		57.5	21.7	Wal	7.7
9.2	17	24.5	22.1	a	9.3
9.4	19	59.0	20.7		10.
8.8	20	23.0	18.7		9.1
9.2	22	14.5	34.4		9.3
10.0		36.5	14.8		
8.8		39.0	9.8		9.0
8.5	24	9.0	31.6	Wa	7.8
8.4	26	21.0	33.6	Wa	8.5
9.3	27	13.8	21.2	a	8.9
10.0	28	23.5	27.8		
10.0	29	32.6	44.7	G	9.4
9.8	30	22.7	55.4		9.8
8.6		38.0	11.2	a	8.9
7.5		50.5	38.1	GWbl	6.8
9.4	31	19.0	54.1		9.2
9.2	32	16.0	3.0		9.2
9.9	34	10.0	34.9		
9.9		14.5	55.6		9.5
9.9		23.0	55.6		9.8
9.4		25.0	48.8		9.5
9.9		41.2	27.6		9.5
9.0		45.2	27.4	a	9.1
9.4		52.2	18.3		9.4
9.2	35	4.7	52.1		9.4
9.9		7.3	18.2		
9.3		25.9	59.1		9.6
9.0		42.2	6.3		9.2
9.8		49.7	44.3		
9.8		55.2	48.4		
9.9	36	0.2	47.4		
7.4		10.7	29.8	al	6.8
7.6		19.2	53.5	8.5 GWtπ	7.5
9.9		20.7	41.0		
9.9		27.2	42.6		
9.9		39.2	3.4		9.5
7.6		49.2	17.1	Cal	7.0
8.6	37	6.2	45.5	a	9.0
9.4		13.2	50.9	9.5 a	9.1
9.9		18.2	18.0		9.5
9.9		27.7	57.7	G	9.0
9.4		32.2	11.3		9.4
7.4		37.6	57.0	7.5 GSπβ	6.5
9.9		40.2	17.5		9.6
8.9	38	58.7	5.2	b	9.0
7.6		59.7	23.8	a	7.8
9.8	39	14.2	52.3		9.5
9.9		38.7	16.5		
9.8	40	0.2	54.0		
9.2		0.2	27.0		9.5
9.4		0.9	57.9		
9.8		3.2	29.0		9.5
9.6		7.7	12.1		9.5
9.6		33.2	13.9		9.6
	+1	29.7	–3.0		

6241—6300.

mag.	16h. m	s	—22° ′		mag.
9.9	40	39.5	1.0		
9.0		40.2	17.5	b	8.9
9.6		46.2	31.0		9.5
9.8		52.2	6.9		
9.8	41	7.2	11.9		9.8
9.4		11.7	21.5		9.1
8.1		42.7	29.1	a	•8.3
8.9		53.2	31.4		9.4
9.2	42	10.2	52.8		9.8
9.9		33.1	58.6		9.8
9.9		42.7	41.6		
9.2		53.2	50.5		9.3
9.2		53.7	24.9		9.3
9.8	43	16.7	44.8		9.5
9.9		23.7	23.6		
9.8	44	23.2	6.0		
9.6		23.7	11.0		9.6
9.2		26.7	33.4		9.4
7.6		31.7	41.5	Kbl	8.0
9.0		33.2	6.2	a	9.1
9.2	45	7.2	30.0		8.9
9.2		56.7	57.3		9.3
9.9	46	24.7	32.5		9.7
9.9		25.4	6.2	W	9.4
9.4		39.2	48.9		
9.2	47	14.4	38.3		9.1
9.9		43.7	26.9		9.8
9.8		47.5	29.1		9.8
9.0		55.5	50.0		9.3
9.2		56.4	40.5		9.6
9.9	48	46.7	53.4		
9.9		46.7	18.1		9.8
9.8		48.2	15.9		9.3
9.9		50.7	29.3		9.5
9.9		57.7	56.0		
9.9	49	0.7	53.6		
9.2		10.5	28.3		9.3
5.8		15.7	57.1	6.0 GSμβ	5.5
9.2		29.7	22.6		9.0
9.9		31.7	26.4		
9.4		41.7	15.2		
8.9		59.7	26.7		9.1
9.8	50	17.0	4.9		9.8
9.8		26.7	4.7		9.3
8.4		34.5	49.9	9.5	9.0
9.6	51	1.8	42.6		9.8
10.2		46.3	28.6		9.5
9.6		53.3	12.4		9.7
9.6	52	12.6	14.3		
8.8	53	6.9	57.1		9.2
9.5		50.8	10.0		9.3
9.0		52.8	38.2	a	8.5
9.6	54	14.8	46.8		9.9
10.2		27.8	32.4		
9.4	55	10.8	27.2		9.4
8.4		49.1	58.3	Gal	7.5
8.6	56	9.8	29.6	b	8.9
9.4		23.8	42.1	a	8.7
9.4	57	37.3	42.6		9.2
9.5	58	0.3	42.8		9.4
	+1	30.0	–2.6		

6301—6360.

mag.	16h–17h. m	s	—22° ′		mag.
9.6	58	20.3	49.3		
10.2		26.3	55.2		9.3
9.4		26.8	40.3		9.3
10.2	59	13.7	54.0		
9.4	0	15.7	19.5	a	8.8
9.2		30.2	51.2		9.6
9.6		52.2	13.5		
9.8		57.2	6.3		9.4
9.4	1	41.2	51.6		9.4
9.4		50.5	59.4		9.5
10.2		54.2	10.5		
9.5	2	13.2	14.2		9.8
9.2		14.7	44.5		9.8
10.2		19.2	46.1		
9.8		28.4	58.3		9.5
9.2		33.5	58.0	a	9.4
8.8		59.2	31.5		9.3
9.2	4	2.2	0.6	–	8.9
8.8		5.2	9.9		8.8
9.6		22.2	41.2		
10.0		31.7	9.2		9.7
7.5		50.2	46.2	8.5 al	7.7
10.2	5	0.2	56.2		
10.2		0.4	42.1		
10.2		9.2	6.1		
10.2		20.7	28.0		
9.5		44.7	52.1		9.8
9.4		50.7	26.4		9.6
9.4	6	2.7	49.3		
9.6		5.7	43.4		
9.0		21.7	21.2	K	9.2
8.2		33.0	25.8	–	8.8
10.0	7	41.2	32.8		
10.2		44.2	4.0		
10.2		51.2	42.0		
9.8	8	4.7	48.9		9.4
10.2		22.7	44.3		
8.8		49.0	1.8		8.9
10.2		59.4	35.6		
10.2	9	16.2	42.5		
8.8		28.2	19.6	a	8.8
9.2		32.7	28.9		9.4
9.8	10	15.8	27.7		9.3
9.8		50.8	7.2		
9.4		53.8	49.5		9.5
8.3	11	22.8	34.2	Wa	8.8
9.8		45.3	6.8		9.2
9.6		45.6	1.3		9.0
8.6		57.3	51.5	9.5 Wa	8.9
9.8	12	15.8	49.4		10.
9.8		24.3	34.1	a	9.4
9.8		27.3	23.2		
9.8		31.3	26.3		9.6
8.9	13	12.8	6.3	a	9.1
9.8		31.8	47.9		9.4
8.2		57.8	47.7	9.0 bΞl	8.3
8.9	14	3.8	44.7		9.3
7.9		15.7	37.3	GWal	8.0
8.2	15	5.2	34.6	Wa	9.0
9.4		9.7	31.2		9.4
	+1	30.3	–2.0		

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6361—6420.

mag.	17h. m	s	−22° ′		
8·6	15	21·7	27·4	a	8·7
9·6		22·7	13·7		9·5
8·8		32·7	21·3		9·0
7·4		39·7	53·2	7·5GWbl	7·2
9·3		43·5	21·8		9·6
9·8		44·7	39·2		9·4
9·8	16	10·7	58·9		9·8
8·3		51·0	40·9	a	8·3
9·7	17	0·3	9·9		9·4
9·4		21·5	40·9		9·5
8·8		42·5	45·2		8·9
9·8	20	43·3	30·5		
9·2	21	9·0	28·4	a	8·5
9·4		30·5	14·4		9·5
9·0	22	8·0	18·6		9·1
9·4		11·5	51·6	9·0 a	9·4
8·3		32·0	51·0	9·0 a	8·7
9·8		47·5	7·0		9·5
9·4		56·5	19·0		9·5
9·4	23	0·0	56·2		10·
9·3		31·0	18·2	a	9·3
9·2		51·5	10·7	a	8·8
8·8	24	12·3	59·6	9·5	9·1
8·6		22·5	54·2	9·5 Wa	9·0
9·4	25	16·0	24·9		9·5
9·8		18·0	23·0		9·5
8·7		42·6	0·3		9·2
8·2	26	0·0	33·4		9·0
8·4		3·0	5·0	Gbtlπ	8·1
9·4		5·5	54·7		
8·6		11·5	53·2	9·0 G	9·2
8·8		22·0	59·0	9·0 a	9·1
7·3		27·5	56·3	8·0Gtlπ	7·5
8·4		41·5	8·0	a	9·1
9·3	27	41·0	13·8		9·5
9·3		45·5	4·8		9·6
9·3	28	0·4	28·8		
9·8		7·0	51·0		10·
8·0		29·6	27·4	=	8·7
9·8		51·5	41·2		9·8
8·0		56·6	21·4	b	8·8
9·8	29	30·5	34·4		9·2
9·0		31·1	43·6		9·5
9·8		41·0	6·8		9·8
7·6	30	31·3	30·1	b=l	7·5
9·6		36·8	0·3		9·5
9·7		43·3	40·9		9·3
9·7	31	15·3	27·7		9·4
9·6		36·8	29·3		9·5
8·1	32	21·6	59·4	9·0 al	8·3
9·8		32·8	26·9		9·6
9·2	33	18·3	13·9		9·2
9·9		55·8	33·3		9·5
9·9	34	1·8	39·9		9·5
9·4		12·8	54·7	9·0	9·0
8·8		25·8	14·7	−	8·7
9·2		41·8	4·7	a	9·1
8·3	35	8·8	18·1	a :	8·6
9·2		52·8	27·0	a	9·1
8·8	36	22·8	42·0	a	8·7
25pr.	+1	30·5	−1·2		

6421—6480.

mag.	17h. m	s	−22° ′		
8·6	36	23·5	2·1	a	9·2
9·4		25·3	59·3		9·5
9·9		33·3	52·1		9·5
8·8		33·8	13·3	a	9·2
9·4		49·8	52·3		9·4
7·0		52·8	8·1	GWtlπ	7·3
8·3	37	30·8	49·9	8·5 Ga	8·8
9·2		48·8	3·9	a	9·3
9·4	38	15·8	26·0		9·5
8·1		27·3	34·1		8·7
8·8		40·3	38·3		9·1
9·0		45·3	46·1		9·5
8·6	39	14·3	9·9	a	9·2
9·8		42·3	41·9		9·5
9·8		44·8	7·7		9·4
8·8		45·8	2·0	a	8·8
9·2		45·8	10·0		9·4
9·9		46·5	22·5		9·5
9·4		46·8	43·5		10·
9·7		49·3	33·7		
9·9	40	8·1	29·7		9·9
7·4		13·1	25·7	Gal	6·7
8·1		16·1	55·3	9·2 =	8·8
9·6		16·6	8·7		
9·0		18·1	8·3	a	9·1
9·0		27·1	37·6	a	9·2
9·6		42·6	5·7		9·8
9·8		50·1	3·8		
9·9		53·1	19·9		9·8
9·2		57·6	34·6		9·5
9·2		59·1	30·1		9·5
9·2	42	23·6	39·7		9·5
9·2		44·6	55·3	W	9·2
9·7		53·3	39·8		9·2
9·2	43	16·6	37·6		9·2
7·5		33·1	52·7	7·5GWπμ	7·0
9·9		43·1	30·2		
9·2		58·6	26·1		9·3
7·4	44	45·6	38·0	al	7·3
9·0		59·6	37·7		9·0
9·4	45	22·6	16·7		9·4
9·7		25·6	13·3		9·4
9·9		29·6	17·9		
9·8		31·6	36·3		
8·6		40·6	30·1	a	8·3
8·8		43·1	18·7		9·1
9·2		55·1	14·4		9·5
9·7		58·1	55·9		
9·6	46	10·6	49·7		
9·9		12·6	0·9		
9·2		35·1	44·7		9·5
9·7		39·6	40·7		9·5
9·9		45·6	31·5		
9·6		53·3	33·3		9·5
7·6	47	24·9	57·3	8·5Gatπ	8·0
9·0		37·2	3·7		9·1
9·7	48	1·4	8·7		9·4
9·9		2·4	1·9		9·5
9·2		6·4	24·0	a	9·2
9·8		7·2	52·6		
	+1	30·6	−0·7		

6481—6540.

mag.	17h. m	s	−22° ′		
9·8	48	16·0	36·9		
7·4		37·1	26·0	al	7·8
10·5		39·7	35·7		
9·4		50·9	46·7	a	9·1
10·5	49	16·2	2·8		
10·3		46·2	21·2		9·6
10·5		53·2	38·9		
10·0	50	3·7	53·4		9·5
9·8		12·2	12·8	−	9·0
9·6		12·9	41·6		9·5
9·6		16·7	3·7		9·5
9·6		21·4	57·5	a	9·1
8·8		21·4	33·0	a	9·0
9·8		28·7	9·3		9·4
10·0		40·7	34·0		
10·1		56·7	46·4		9·3
10·5		57·7	18·7		
10·4	51	13·2	31·0		
10·1		13·7	48·0		9·5
9·0		21·7	30·9		9·3
7·4		23·7	30·0	Gal	6·8
8·6		25·2	21·8	al	8·5
10·2		35·7	16·8		
9·9		39·7	4·9		9·7
10·0		44·2	8·3		
9·7		49·7	7·0		9·8
7·4		53·2	27·1	Gal	7·3
9·4	52	3·2	59·2	9·0	9·0
9·4		6·2	56·1	9·0	9·0
9·8		13·7	37·1		9·3
9·8		15·2	22·3		10·
8·7		16·2	38·6		8·9
10·5		22·2	29·4		
10·0		26·7	17·1		9·4
7·9		27·1	32·1	al	7·5
9·9		41·6	24·7		9·7
10·3		43·6	24·2		
10·0		44·1	23·4		9·3
10·5		46·6	28·8		
9·4		47·6	33·5		
10·1		48·1	23·0		
8·8		49·6	57·3		9·3
9·1		53·6	34·7		9·5
10·5	53	14·1	34·0		
9·2		16·1	48·1		
10·4		19·6	48·8		
10·1		19·6	4·8		
8·6		21·6	14·7	a	9·0
9·8		28·6	24·0		10·
10·5		30·6	7·1		
8·2		33·1	35·3	a	8·7
9·4		34·6	14·5		9·4
10·5		40·6	34·0		
10·0		41·6	10·8		9·8
10·5		44·1	18·0		10·
10·1		52·6	3·9		
10·5		52·6	11·5		
10·1		59·1	13·2		10·
9·8		59·1	20·7		
9·7		59·6	18·7		9·6
	+1	30·7	−0·3		

6541—6600.

mag.	17h. m	s	−22° ′		
9·4	54	1·6	59·4		
10·1		6·6	11·0		
7·6		7·1	7·5	GCatπ	8·0
9·8		12·1	35·1		
9·3		14·1	48·2		
10·3		17·1	8·1		10·
5·7		20·6	46·4	Gtlπμ	6·0
9·8		21·1	26·9		9·8
9·7		27·0	22·0		9·8
10·5		27·5	48·4		
9·6		27·5	38·0		9·5
9·4		29·5	36·3		9·8
10·5		30·0	46·4		
10·5		31·0	35·0		
10·4		31·5	13·5		10·
10·3		37·7	42·4		
10·2		41·5	58·1		
10·1		44·0	27·9		9·5
9·6		46·0	19·3		9·2
9·7		47·0	40·6		
9·8		56·5	57·7		
8·2		56·5	54·1	7·2GWlπ	8·0
10·5		57·5	33·9		
8·7	55	1·5	46·0		9·1
9·4		1·5	59·8		
9·9		6·0	21·1		
9·6		6·5	12·0		9·8
10·5		6·5	34·6		
9·2		11·5	5·1	a	9·6
10·4		12·5	44·7		
9·6		19·5	39·0		
10·5		22·8	59·1		
10·0		23·0	16·5		
9·6		23·5	34·3		
9·4		24·0	52·1		9·8
10·2		27·0	28·1		9·5
6·5		27·5	42·8	Gtlπμ	7·3
9·3		27·5	47·0		
9·6		28·5	33·0		
10·4		30·8	44·8		
10·0		32·8	55·6		
9·6		38·8	49·7	9·0	9·2
10·4		39·3	36·5		
9·7		39·8	40·3		9·5
10·5		40·8	40·6		
8·8		41·5	2·2	a	9·1
8·1		43·8	53·0	8·8 Wl	8·3
9·9		44·8	41·6		
8·6		51·8	36·9	al	8·3
8·5		52·3	18·4		9·1
10·2		52·3	29·7		
9·8		53·8	36·9		
10·2		54·3	49·4		
9·7		56·8	4·4		9·5
10·2		56·8	20·4		
9·9		56·8	53·7		
10·0		59·3	19·0		
10·0	56	1·3	12·0		9·4
10·0		2·8	10·0		9·9
9·0		2·8	24·8		9·8
	+1	30·7	−0·2		

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6601—6660.

mag.	17h. m	s	—22° ′		
10·3	56	5·8	14·6		
9·2		9·8	30·8		9·3
9·1		10·3	28·2		9·4
9·7		10·8	34·4		
10·3		12·8	28·9		
9·9		15·3	46·8		
10·0		15·8	23·2		
10·5		16·3	13·7		
8·5		16·3	14·2	Ca	9·0
9·1		16·8	49·1		9·6
10·1		19·3	29·0		10·
10·5		20·6	52·5		
7·4		21·8	50·2	8·0 GWπ	7·4
10·5		23·3	23·8		
8·8		23·8	31·3		9·4
8·2		29·8	33·9	a	8·6
8·8		32·8	27·2		9·3
8·8		33·3	26·3		9·4
10·5		34·3	29·4		
10·5		35·8	25·9		
9·4		35·8	35·9		
9·3		36·3	54·4		
10·0		36·8	28·4		
9·9		37·3	28·7		
8·5		37·8	29·7	b	9·5
8·4		38·8	41·3		9·0
8·6		39·3	27·4		9·2
7·9		39·8	30·1	Gbl	7·7
9·8		40·8	29·5		
10·3		41·8	16·5		
10·4		42·8	32·0		
8·8		43·3	3·6		9·2
8·8		43·8	30·6		
8·6		44·3	29·7	a	9·1
10·5		44·8	39·0		
10·5		44·8	38·6		
9·1		46·8	29·4		9·6
10·5		47·8	34·6		
9·9		47·8	25·6		
10·2		49·3	29·3		
8·9		51·8	26·3		9·4
10·1		55·3	13·2		9·7
9·9		55·8	51·3		
9·6	57	1·8	30·4		
8·8		2·3	22·7		9·4
10·5		3·8	50·8		
9·0		12·8	27·1		9·5
9·6		17·3	42·8		
9·6		20·3	32·1		9·8
9·7		20·5	56·5		
9·9		31·3	14·0		
10·4		33·3	41·1		
10·5		34·3	55·5		
9·8		36·8	29·3		
9·6		41·3	24·8	b	9·3
9·6		42·3	29·0		
10·0		42·3	19·7		
9·2		43·3	50·9		9·8
9·4		45·8	7·0		9·4
10·5		47·3	21·4		
25pr.	+ 1	30·7	— 0·1		

6661—6720.

mag.	17h.–18h. m	s	—22° ′		
10·1	57	53·3	55·2		
10·4		55·8	30·6		
10·5		56·3	44·2		
10·1	58	6·8	21·7		
9·7		10·3	18·7		
9·4		11·3	51·2		9·5
8·6		18·3	12·7	=	9·0
9·8		19·3	41·3		
9·4		22·8	37·9		9·5
10·4		25·3	3·8		
10·3		29·6	58·8		
10·3		30·3	7·1		
9·8		31·8	27·2		
8·2		33·3	7·4	–	8·7
10·2		36·3	19·9		
8·6		37·8	28·0	a	9·2
8·8		48·3	43·8	}	9·1
9·4		48·3	44·2	}	
10·4	59	2·8	36·6		
9·7		2·8	43·5		
9·8		11·8	23·5		9·8
10·5		11·8	4·2		
8·4		12·8	28·4	a	8·5
8·8		17·3	3·5	Ca	8·4
9·2		18·3	36·5		
9·4		22·3	5·6		9·8
10·3		23·8	15·8		
9·4		32·3	24·3	}	9·7
9·4		32·8	24·3	}	
10·0		32·8	15·2		9·7
9·6		32·8	35·2		
9·6		35·3	35·6		
9·3		35·3	41·6		9·5
10·0		35·8	11·4		
9·7		42·3	56·1		
8·9		50·0	0·3		9·3
10·1		51·3	23·1		
10·5		52·8	6·5		
9·9		57·3	28·9		
8·8		58·3	6·5	a }	9·1
9·6		58·8	6·2	}	
9·6	0	0·3	27·7		9·8
10·3		3·8	40·4		
8·1		5·8	7·6	a	9·0
9·0		6·8	54·5	9·5 W	9·3
8·6		7·8	5·3	Ca	8·9
10·5		12·0	2·7		
10·5		12·8	56·7	}	9·7
9·6		12·8	56·9	}	
7·6		15·8	53·5	8·5 W≡	8·7
10·0		16·3	52·5	9·5	9·7
10·5		19·8	17·1		
9·3		31·5	59·6		
10·3		33·3	7·6		
10·5		35·3	18·1		
10·0		35·8	15·5		
8·2		36·3	17·1	a	8·4
9·2		38·8	16·7		
10·4		41·8	5·4		
10·1		43·8	23·3		
	+ 1	30·7	0·0		

6721—6780.

mag.	18h. m	s	—22° ′		
10·0	0	48·8	47·3		
9·6		49·8	9·5		9·4
10·0		50·3	15·5		
9·2		56·8	55·6		9·5
8·8	1	0·3	43·1		9·2
9·4		1·3	14·9		
9·9		2·8	19·6		
10·4		4·8	22·0		
10·3		5·5	0·3		
9·0		8·8	17·1		9·5
9·8		12·6	59·2		
7·6		12·8	10·5	MCam	8·5
8·4		23·8	11·4	a	9·0
10·2		24·0	58·3		
10·5		39·6	32·1		
8·9		40·3	11·8	b	9·1
8·2		40·3	47·5		9·0
8·4		42·8	54·6	8·2 G–	8·6
10·0		42·8	37·1		
10·5		50·3	29·3		
10·1		54·3	33·2		9·7
9·7		56·8	30·8		
9·9	2	2·8	35·3		9·7
9·4		5·8	20·9		9·6
10·1		5·8	52·5		
9·8		5·8	56·1		
9·7		8·3	32·4		9·7
10·2		10·3	52·1		
10·2		16·3	51·4		
8·8		16·3	8·5	a	9·2
8·6		16·8	4·5	bm	9·2
9·7		17·3	44·0		9·6
10·0		19·0	56·5		
10·4		22·8	20·3		
10·5		27·8	37·2		
9·6		30·3	36·1		
9·6		32·8	54·1		
10·5		41·8	54·1		
9·8		42·8	55·5		
10·4		43·3	33·9		
8·8		45·8	24·3		9·6
9·4		53·8	25·9		
9·4		53·8	6·7		9·5
9·8	3	0·8	19·5		
10·5		7·3	42·0		
9·2		7·3	13·6		9·4
8·6		12·3	15·6	Cam	8·0
9·7		12·8	33·0		
10·4		13·8	43·0		
8·5		17·3	55·5		9·2
10·0		20·8	29·3		
9·6		22·3	8·9		9·5
10·4		23·3	50·8		
9·9		24·8	31·8		9·5
9·6		29·8	20·0		9·4
10·3		33·3	29·8		
9·8		36·8	14·2		
10·4		37·3	29·7		
9·4		37·8	25·2		9·7
10·3		42·8	36·6		
	+ 1	30·7	+ 0·1		

6781—6840.

mag.	18h. m	s	—22° ′		
9·7	3	45·6	5·8		9·8
9·7		47·8	43·5		
10·1		52·8	8·9		
10·5		54·3	6·4		
10·5	4	9·3	5·4		
10·5		11·6	59·6		
8·8		12·3	7·8		9·1
10·1		12·8	4·9		
9·4		13·8	25·5		9·8
10·5		20·3	0·7		
10·3		21·3	29·0		
10·4		25·8	36·7		
10·2		29·8	18·0		
9·6		43·2	25·9		9·4
9·9		45·2	9·5		
9·6		48·7	40·9		
10·5		50·5	7·3		
10·2		52·7	25·6		
10·0		53·2	28·5		
10·4		56·7	16·7		9·5
10·5		58·2	30·2		
9·9		58·2	54·7		
10·5		59·7	22·1		
10·4	5	0·0	58·4		
10·2		0·7	46·0		9·8
10·3		3·2	53·9		
10·0		5·2	54·4		
9·7		5·7	21·1		9·8
10·4		15·7	18·8		
10·4		15·7	8·7		
9·9		16·2	27·1		9·4
10·4		20·6	1·1		10·
8·6		22·2	28·8		9·1
10·2		25·2	26·7		
9·9		28·2	27·5		
9·9		31·7	42·9		
10·5		33·7	34·4		
10·3		34·2	16·9		9·8
9·9		34·7	25·9		
10·5		36·2	34·5		
9·6		36·2	14·8		
10·3		36·7	36·1		
10·3		39·7	4·8		9·6
10·5		41·5	23·9		
9·1		45·2	51·8	8·8 G≡	8·8
9·4		45·7	6·5		9·8
10·4		47·2	0·6		
9·8		50·2	25·6		
8·8		51·2	4·3		9·0
8·6		51·7	44·8	9·0 G=	8·3
9·9		53·7	18·4		9·6
10·2		55·2	34·3		
9·0		55·7	15·9		9·3
10·1	6	1·7	57·6		
9·4		2·2	23·7	}	9·3
10·4		2·7	23·5	}	
9·7		5·7	2·0		
9·6		21·7	31·1		9·8
9·7		24·2	28·1		
10·3		28·5	11·4		[illegible]
	+ 1	30·7	+ 0·2		

6841—6900.

mag.	18h. m s	−22° ′		
10.0	6 29.7	52.1		
9.3	32.2	42.6		9.4
10.1	32.2	13.3		
10.5	32.5	48.1		
9.6	32.7	43.1		
10.0	36.7	13.4		9.6
9.2	46.7	28.0		9.5
10.5	49.2	26.2		
10.1	52.7	24.7		
9.6	54.2	6.5		10.
9.8	55.7	55.6		
9.9	58.7	27.2		
9.6	59.7	46.0		9.5
9.6	7 1.0	57.6		
9.6	2.2	27.2		9.5
10.0	4.2	24.9		
9.6	5.7	31.5		
10.4	6.2	8.0		
10.0	7.2	33.9		
10.0	10.2	44.2		
8.8	13.2	3.7		9.1
10.1	14.2	47.9		
10.4	15.7	14.7		
10.5	16.5	23.0		
8.8	17.0	2.4	Cbl	8.6
9.6	19.4	55.6		
9.0	21.5	37.3		9.7
10.4	25.2	31.0		
9.7	26.7	23.3		
9.6	29.0	38.2		9.3
8.8	32.8	38.0		9.1
8.6	32.8	28.7		9.0
9.9	35.3	24.6		9.6
10.5	39.9	46.8		
10.2	42.9	8.6		
9.9	45.1	2.6		
10.5	45.6	18.7		
9.2	46.0	8.7		9.4
9.6	47.0	58.1		
8.6	49.3	46.5		9.1
10.4	51.4	19.2		
10.3	57.7	10.9		
9.9	8 5.4	24.0		
10.1	13.4	49.2		
10.0	21.9	14.1		10.
10.4	22.6	57.3		
9.7	23.0	17.0		
9.2	32.1	34.4		9.6
10.2	32.9	37.6		
10.4	32.9	18.0	}	9.5
10.5	33.9	17.9	}	
10.0	49.0	4.3	Ca	9.0
10.3	54.6	58.9		
10.0	55.0	16.9		9.4
10.2	9 11.0	49.7		
10.3	15.0	33.9		
10.3	20.5	29.9		
10.2	27.0	52.5		
10.3	34.2	53.8	9.5	9.5
10.3	36.0	56.6	9.0	9.4
25pr.	+1 30.7	+0.3		

6901—6960.

mag.	18h. m s	−22° ′		
8.9	9 37.5	12.6	Cal	8.5
9.8	42.5	1.7		10.
10.2	46.7	17.4		
9.6	10 5.5	27.1		9.5
9.6	6.5	17.4		9.7
10.3	6.5	26.4		
8.9	22.5	20.0	al	8.3
10.0	23.5	0.4		9.5
8.2	24.5	23.1	al	8.2
10.2	36.0	54.8		
8.9	44.0	3.0	a	9.1
10.2	53.1	58.9		9.8
9.3	56.5	0.9		9.4
9.2	59.5	4.0	a	9.2
8.5	11 4.0	35.6	a	9.0
8.9	26.6	59.8	9.5 Mm	9.4
10.0	30.5	43.5		
10.2	34.0	36.4		
10.2	37.5	55.9		
8.9	46.0	47.0	bl	8.5
10.2	53.5	28.7		
9.2	55.5	24.7		9.2
9.5	57.5	29.3		9.1
10.0	12 3.3	0.0		9.4
9.4	4.5	8.6	a	9.0
9.6	5.0	3.6		9.6
8.8	6.5	34.6	a	9.0
9.4	16.5	25.2	b	9.4
8.9	23.5	24.9		9.4
9.8	24.0	16.6		9.5
10.2	27.1	56.4		
10.2	33.1	58.0		9.8
9.4	37.5	13.8	am	9.3
10.2	39.5	34.8		9.9
10.2	45.5	28.5		
10.3	47.5	17.3		
9.6	48.5	52.6		
8.8	53.5	12.4	am	9.2
9.2	58.5	32.3		9.5
10.3	13 7.0	36.1		9.5
9.4	14.5	5.0	:	9.6
10.3	24.5	6.6		
10.2	24.5	29.2		
9.5	29.0	23.6		9.8
9.5	30.0	46.0		
8.8	31.0	58.6		9.7
9.4	32.0	19.7		9.5
10.0	32.5	7.9		
10.0	33.5	17.9		
9.2	53.5	51.1		9.5
9.2	14 0.5	22.3		9.8
10.2	2.5	14.8		
10.2	6.0	28.7		
9.8	13.5	6.0		9.7
10.3	23.5	34.4		9.5
8.8	24.5	8.2		9.0
8.0	26.0	4.7	Cb=ml	8.4
7.2	28.2	58.7	8.0 GSac	7.2
9.5	29.0	36.3		
10.3	31.5	51.1		
	+1 30.7	+0.4		

6961—7020.

mag.	18h m s	−22° ′		
7.6	14 33.0	21.1	aml	7.8
8.2	37.5	17.6	Cal	7.8
9.6	54.5	4.9		9.2
10.0	56.5	4.8		
10.2	59.9	57.3		9.5
10.0	15 3.0	16.9		
9.8	4.0	13.4		9.7
10.2	4.5	3.4		
10.0	22.0	10.3		
10.3	28.5	0.7		9.5
8.6	29.5	20.6		9.0
10.3	29.5	16.0		
8.6	31.5	40.0	Mm	9.1
10.2	43.0	23.9		9.7
9.6	43.5	40.3		9.5
9.8	53.5	56.5		
10.3	54.5	42.0		9.8
9.6	16 0.5	48.6		
9.8	7.0	27.1		
10.3	8.0	11.3		
9.8	11.5	26.0		
9.4	13.5	13.0		9.4
9.4	15.5	45.9		10.
8.6	24.5	20.4		9.2
9.0	25.1	6.2	C–	8.6
10.3	42.6	22.4		
9.2	50.6	22.0		9.6
10.0	17 3.1	30.4		
10.2	5.6	22.7		
9.6	14.0	1.0		9.7
10.0	21.6	49.3		
9.4	22.6	4.2		9.7
10.3	31.6	3.4		
9.2	42.6	34.4		9.5
10.3	44.1	53.2		
9.3	57.6	45.2		9.6
9.0	18 8.1	4.6		9.3
10.2	14.1	9.4		
9.8	14.6	45.3		
10.3	18.1	23.3		
9.2	23.6	16.3		
8.8	41.1	43.3		9.4
9.2	44.6	43.1		9.8
9.8	45.1	17.4		9.5
10.0	46.1	47.2		
10.0	19 2.1	15.5	–	9.2
9.6	11.1	58.7		9.3
9.4	26.6	11.0		9.7
9.5	29.1	56.3		9.7
10.3	54.9	2.0		9.5
9.0	20 1.6	41.9		9.4
10.0	3.6	15.1		9.8
10.2	3.6	27.1		9.4
10.0	3.6	49.3		
10.3	33.6	55.9		
10.2	38.1	43.7		
8.9	38.6	29.1	W	9.0
10.2	47.1	40.9		9.8
10.3	53.1	25.6		
8.6	53.8	53.7	9.0 GW	9.0
	+1 30.6	+0.6		

7021—7080.

mag.	18h. m s	−22° ′		
10.0	20 57.3	7.4		9.5
10.3	21 12.3	23.7		
10.3	14.8	22.3		
9.4	18.3	21.6		9.5
9.4	23.8	22.1		9.6
10.0	45.6	57.2		
10.0	53.8	6.3		9.7
10.0	56.8	33.5		9.6
9.5	22 3.3	15.2		9.1
9.6	3.8	32.9		9.5
8.6	8.3	45.6	GW–m	8.7
10.3	48.8	40.9		9.5
10.2	52.8	40.7		
9.6	23 3.8	3.0		9.5
10.3	9.3	40.1		
10.3	13.8	47.2		
10.3	18.0	54.7		9.8
10.2	24.8	19.8		10.
10.0	38.3	35.0		9.5
9.5	46.1	57.9		9.5
9.2	57.6	58.6		9.3
8.6	24 5.8	47.6	9.0	9.1
9.2	6.8	13.1		9.2
9.6	7.8	54.0		9.3
9.8	9.3	9.6		9.5
9.8	13.8	25.2		
10.3	22.8	38.1		
9.0	30.3	42.7		9.0
9.2	34.8	48.0		9.5
10.3	41.0	32.3		
8.6	42.8	8.5		8.7
9.0	54.8	28.4		9.0
8.3	58.8	22.7	Waml	8.9
10.0	25 0.1	0.6		9.0
8.4	13.8	13.3	CWal	8.0
9.6	24.8	10.9		9.5
9.6	33.8	5.2		9.5
9.6	33.8	18.7	a	9.3
8.9	37.8	53.9	8.5 am	8.5
8.2	47.8	42.6	am	8.3
9.6	50.8	29.7		
9.0	55.6	26.7		9.2
9.0	26 11.1	43.7		9.2
10.0	12.6	56.0		9.5
8.8	15.1	21.4	a	8.9
10.2	15.1	9.6		9.6
9.0	17.1	31.3	=	8.7
10.2	30.6	32.2		9.5
9.2	31.6	54.0		9.5
8.6	51.6	18.1	a	8.8
8.4	27 8.1	38.3	b–ml	8.5
10.4	10.4	18.3		9.4
10.0	13.8	43.9		
10.4	22.4	24.9		9.8
10.4	25.2	30.0		
9.8	27.2	27.3		
10.0	29.7	2.2		
10.2	30.4	17.8		
9.8	36.2	56.0		9.5
9.0	36.4	4.6	Ca	8.4
	+1 30.6	+0.9		

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7081—7140.

mag.	18h. m	s	−22° ′		
9·8	27	36·9	12·7		
10·4		44·2	20·7		9·4
10·4		47·7	36·0		
7·4		49·2	11·2	CWa	8·0
8·4		54·2	29·7	Mm	9·0
8·7		56·4	41·8		9·3
9·8	28	7·2	57·0		
9·8		7·4	47·4		9·8
10·2		13·6	5·0		9·8
8·6		15·4	49·6	9·0 a	9·1
10·4		17·1	17·0		
10·4		26·1	3·4		
10·4		28·6	1·0		9·5
8·2		43·4	58·0	9·0 a	8·9
9·6		43·8	13·3		9·4
9·4		53·1	43·6		
10·0	29	1·1	55·6		10·
10·4		17·1	16·8		
10·4		33·1	33·4		
9·8		54·1	8·2		9·4
8·8	30	3·6	13·2	a	9·3
9·8		14·1	59·9		9·5
10·4		15·1	46·6		9·6
10·4		16·6	47·4		
8·2		20·6	32·4		8·5
10·4		40·6	55·3		
9·1		43·1	39·0		9·4
8·8		44·1	10·6	a	9·1
10·4		50·1	42·5		
10·4	31	6·1	49·0		9·5
10·4		24·4	41·3		
10·4		25·4	30·3		
8·9		36·6	25·1	a	9·0
10·4		42·6	45·2		
9·0		44·1	44·6		9·3
9·4		46·6	28·0		9·5
7·8	32	0·1	4·4	Cal	8·0
9·6		3·1	38·8		
9·4		5·1	47·2		
10·4		13·1	43·0		
10·0		17·1	1·9		9·8
7·9		38·1	46·4	amb	8·7
10·4		42·8	59·4		
10·0		46·1	30·0		
9·8	33	6·6	23·9		9·4
10·0		7·1	3·4		9·5
9·8		10·1	15·1		9·5
9·8		10·8	59·9		
9·0		26·0	25·2		9·0
10·2		26·8	59·1		10·
10·4		32·5	32·6		
10·4		46·0	26·4		
10·0		52·0	51·2		
10·2		59·2	24·6		
9·8	34	2·5	25·3		9·7
9·4		8·5	18·4		9·8
10·4		10·2	19·7		
9·6		21·7	59·2		9·8
10·0		36·5	23·7		
9·1		43·0	23·9		9·3
25pr.	+1	30·5	+1·1		

7141—7200.

mag.	18h. m	s	−22° ′		
10·4	34	50·0	47·4		
8·7		53·5	6·9	a	9·0
10·0		56·5	59·8		10·
8·7		57·0	27·5		9·1
10·4	35	1·0	41·9		
10·4		3·0	21·4		
10·4		4·0	21·4		
8·4		7·0	17·2	Ca	8·6
10·4		32·3	59·1		
9·2		47·0	12·2		9·3
7·6		48·0	31·7	a	7·3
9·6	36	7·0	40·6		9·6
7·8		10·5	47·3	8·5 Ga	7·8
9·0		27·0	44·3	a	9·0
9·8		34·5	7·4		10·
9·6		48·0	21·2		9·8
9·8		49·0	12·5		9·8
9·6		54·0	38·6		
9·6	37	6·0	56·1		9·5
9·8		43·0	14·3		9·2
10·0		53·2	22·8		
10·4		59·5	52·9		
9·2	38	1·0	53·7		9·5
9·6		3·0	10·1		9·3
10·4		5·2	28·6		9·8
9·6		12·0	18·1		9·5
9·6		30·5	15·0		9·3
9·8		31·5	51·4		9·5
10·4		37·0	7·7		9·5
10·0		42·0	33·4		
10·4		46·5	2·1		
7·5		48·5	31·2	Gtl$\pi\beta$	6·2
9·6	39	2·0	4·0	Ca	8·9
10·4		5·0	6·4		
9·6		12·5	25·2		9·5
10·4		21·5	50·7		10·
10·4		22·2	21·5		
8·0		23·3	42·8	a	8·5
8·0		26·3	25·3	al	8·5
10·4		33·3	23·3		
10·0		37·3	15·7		
8·7		39·8	53·9	9·0 G	9·0
10·4		46·8	2·1		9·7
9·0	40	21·8	18·1	a	8·8
10·2		23·3	24·9		
10·4		28·8	19·9		
9·1		42·8	32·5	—	8·6
9·1		56·3	12·9	Wa	9·0
10·4	41	12·8	38·4		
9·8		25·8	48·7		9·5
10·2		46·3	29·9		9·8
10·4		47·3	3·3		9·6
10·0		50·3	4·1		
9·6		57·3	22·3		9·5
10·4	42	10·3	22·3		
9·8		10·3	28·3		
9·8		15·3	33·7		
9·8		21·8	50·1		9·6
10·2		25·8	28·0		
9·6		35·3	12·9		10·
	+1	30·5	+1·4		

7201—7260.

mag.	18h. m	s	−22° ′		
8·2	42	38·3	59·3	7·5GScl	7·5
9·8		38·8	20·7		
9·8		38·8	20·1		
9·4		49·8	13·3		9·5
9·6		50·4	2·1		9·5
10·2		50·8	7·7		
8·2	43	2·6	57·9	9·0 b	8·9
9·8		5·8	24·4		9·7
8·6		8·8	24·4	Gatlπ	8·5
10·4		11·8	1·6		
6·6		20·3	18·1	GW$\pi\mu\beta$	6·9
9·0		23·8	43·4	a	9·2
10·4		25·8	49·1	·	
9·2		26·3	46·5		9·5
9·6		29·3	31·5		
9·6		37·3	5·4		9·5
10·4		43·8	54·1		
8·6		48·3	9·7	CWa	8·3
10·0		49·3	16·7		9·5
10·4		49·8	32·4		
8·4		52·8	28·2	a	8·5
9·4	44	2·8	25·3		10·
10·0		11·4	0·6		
8·4		12·8	0·2	a	9·0
9·6		35·8	34·1		9·6
6·5		37·3	3·9	GW$\pi\mu\beta$	6·8
10·4		37·3	23·8		
9·0		40·3	20·9		9·4
9·8		45·8	58·3		
9·4		51·8	33·1		9·8
10·4		55·8	9·1		
9·8	45	1·8	19·4		9·7
9·6		1·8	42·1		
10·0		2·8	43·5		9·5
8·0		6·3	26·9	b–ml	8·0
9·0		13·8	32·3	M–m	8·7
9·8		22·8	44·2		
9·8		22·8	31·9		9·7
8·4		25·8	33·3		9·1
9·6		27·8	22·3		9·4
9·6		27·8	21·6		
10·4		32·8	6·5		
9·8		35·8	5·3		
10·4		55·8	47·5		
9·6	46	3·8	28·4		9·5
9·8		3·8	34·2		
10·4		8·8	43·7		
10·4		25·8	32·1		
9·4		29·8	52·0		9·5
9·4		31·8	32·6		9·5
7·6		35·8	43·3	b l	8·5
10·4		36·8	42·6		
6·9		36·8	53·8	5·2GS$\mu\beta$	6·0
8·0		42·8	50·3	8·5 GW	8·5
10·4		42·8	39·4		
8·6		43·8	49·6		10·
9·6		57·8	8·1		9·5
9·6		58·8	43·5		
8·7	47	1·6	25·4		9·3
9·4		2·4	52·9	9·5	9·8
	+1	30·4	+1·6		

7261—7320.

mag.	18h. m	s	−22° ′		
10·2	47	4·6	46·1		
10·4		9·1	25·3		10·
10·4		19·8	40·9		
10·4		21·6	50·0		
8·8		22·4	6·5	a	9·0
6·6		33·8	49·5	5·0GS$\mu\beta$	6·2
10·4		39·1	8·1		
10·4		52·1	40·1		9·8
10·4		55·6	33·0		
10·4		59·6	49·0		
9·0	48	1·1	25·3	a	9·2
10·4		1·8	43·2		
10·4		3·8	46·1		
10·4		7·1	50·6		
9·6		11·4	14·4		9·7
9·8		23·4	11·4		9·5
9·6		26·9	23·1		
9·6		40·1	43·1		
10·4		42·6	17·5		
10·0		55·1	9·8		9·4
10·4		55·8	56·5		
10·4	49	0·2	29·9		
9·5		6·6	15·9		9·5
9·4		52·7	2·4		9·5
10·2		57·7	29·0		
10·4	50	9·7	26·3		9·4
10·4		31·2	44·2		
10·4		35·5	58·5		10·
9·8		40·2	43·9		
6·3		53·2	41·5	G≡	7·0
9·6		56·2	8·0	W	8·8
8·5		58·7	49·6		9·0
9·6	51	11·7	8·2		9·2
9·5		12·4	58·4		9·0
9·5		17·7	38·2		9·2
10·4		25·2	50·3		
9·3		27·2	24·4		9·3
9·4		30·7	16·3		9·3
10·4		31·7	8·3		
10·4		37·2	38·3		
8·6		43·7	4·3	Wa	9·1
9·8		51·7	13·9		
10·4	52	9·0	36·6		
9·2		22·7	17·9		9·8
9·0	53	25·7	59·7	a	9·1
9·5		39·0	1·0	W	9·3
10·0		44·7	17·6		
9·2		46·2	17·3	Ca	8·9
10·2		59·7	13·0		9·8
8·0	54	5·2	52·1	GSl$\pi\mu$	6·5
9·6		6·7	17·9		
9·3		9·7	22·2		9·5
10·4		16·2	30·1		9·5
8·3		29·2	16·0	Cam	8·5
9·4		44·7	38·6		9·3
10·0	55	3·7	27·5		
10·4		11·2	2·8		
10·4		14·7	39·8		
10·4		25·7	47·4		
10·4		49·2	9·3		
	+1	30·3	+1·8		

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7321—7380.

mag.	18h.–19h. m	s	—22° ′		
10.4	56	1.2	43.9		9.4
8.7		12.8	53.5	Gam	8.5
9.7		25.8	3.0		9.4
9.5		39.3	35.9		9.5
8.2		41.3	44.4	am	8.7
9.6		43.3	58.5		9.5
9.7	57	5.8	34.5		9.5
10.4		21.8	31.3		9.5
10.2		27.5	25.0		9.5
9.6		44.3	29.4		9.5
8.9		47.0	2.0		9.2
10.4	58	6.3	32.3		9.5
10.4		22.8	58.6		9.5
10.4		23.3	28.3		9.5
8.6		50.3	47.3	Gam	8.5
9.8		54.8	21.8		9.5
9.8		57.0	58.3		9.8
10.2	59	4.5	29.9		
9.7		5.8	16.4		9.1
10.0		17.9	0.6		
10.0		19.8	44.3		9.4
7.6		26.8	41.1	GSlπμ	7.2
9.0		30.3	59.9		
10.4		33.5	32.5		9.5
9.0		43.3	55.4	a	9.0
9.6		46.8	36.9		9.4
9.5		54.8	41.1		9.3
9.6	0	3.3	26.2		9.5
9.8		24.3	43.1		9.8
9.2		28.3	33.7	Mm	9.1
10.0		41.8	13.8		10.
9.6		52.3	52.2		9.8
9.5	1	36.8	15.9		9.3
9.5		56.8	47.2		9.4
8.6	2	0.3	34.4	am	8.6
9.7		51.8	23.3		9.5
10.0		54.3	0.7		9.6
9.8		54.5	41.1		
9.8		57.8	26.0		
9.4	3	28.3	45.6	–	8.8
10.4		36.8	40.9		9.6
8.6		39.8	6.5		9.2
10.0		46.8	18.7		
8.6		53.8	48.7	K	9.1
10.4		54.5	11.9		
10.4		59.5	15.7		9.5
9.6	4	2.5	12.1		9.5
9.6		23.5	17.9		9.8
10.4		24.0	8.1		9.5
8.4		37.0	7.9	Cam	8.0
10.4		37.5	0.4		9.5
9.2		39.0	30.6		9.5
10.0		49.0	47.5		
10.4	5	7.0	4.5		10.
8.0		7.5	23.5	am	8.6
9.6		27.0	11.9		9.6
8.9	6	7.5	35.1		9.0
7.3		7.5	46.4	GWtlπ	8.2
9.2		16.0	8.2	Mm	9.1
9.5		21.5	42.5		9.1
25pr.	+1	30.2	+2.2		

7381—7440.

mag.	19h. m	s	—22° ′		
9.8	6	23.0	33.9		
8.0		23.5	9.1	Caml	8.8
10.4		27.0	44.1		
9.7		34.0	17.1		
7.3		39.5	16.2	Ckaml	7.3
9.7		45.0	9.5		9.3
10.0		49.0	55.1		9.3
9.8	7	3.7	10.5		9.7
8.2		5.2	17.3	al	8.8
9.6		7.7	42.8		9.4
10.4		13.8	59.4		
8.9		23.0	15.1		9.2
9.6		27.0	38.3		8.9
10.0		32.8	21.8		
10.4		38.3	35.2		
10.4	8	9.8	29.3		
8.9		16.9	34.8		9.1
9.2		18.1	38.8		9.3
9.2		27.1	15.0	W	9.1
8.4		28.3	3.3	CWaml	8.8
10.4	9	1.0	26.6		
8.6		7.4	0.9	Waml	8.8
10.4		23.4	15.4		9.4
10.4		25.4	56.6		9.8
8.5		28.4	26.9	Mm	8.8
8.2		33.4	10.0	Cal	8.5
10.4		48.9	43.5		
10.0	10	10.2	48.4		
9.7		11.4	49.7		9.5
10.4		43.6	0.8		9.5
9.2		46.9	45.6		9.5
10.4	11	4.4	44.8		9.4
7.8		25.4	19.6	Wb=l	8.0
9.0		32.4	22.7		9.2
10.4		41.4	8.3		
9.2		51.9	10.0	m	9.0
9.2	12	2.9	10.3	Mm	9.1
9.7		14.4	52.0	–	9.2
7.9		15.4	24.5	Gapl	8.3
10.4		15.4	8.8		9.7
9.8		20.4	7.7		10.
9.7		36.4	16.9		9.6
9.6		42.4	21.5		9.7
8.6		58.7	5.7	M=m	8.7
9.4		58.7	42.6		9.5
6.6	13	8.7	37.9	GSlπμ	6.4
10.4		22.2	53.6		9.5
8.0		26.7	2.1	Cam	8.4
10.4		31.7	49.9		
9.2		33.2	18.3		9.2
10.0		35.7	21.0		9.7
10.0		45.2	28.6		
10.0		46.0	1.6		9.5
9.2		55.7	50.7		9.4
9.7	14	42.2	19.0		9.4
8.4		46.7	18.4	a	8.7
10.4		47.2	9.4		9.8
9.0		49.7	39.6		9.4
9.0		55.7	48.8		9.2
10.4	15	0.2	14.8		9.6
	+1	30.0	+2.5		

7441—7500.

mag.	19h. m	s	—22° ′		
9.0	15	12.7	6.9		9.4
10.2		16.7	35.0		9.5
8.5		19.7	37.6	am	9.1
9.8		22.7	11.9		9.8
9.8		23.7	18.2		
9.4		59.7	23.1		9.4
9.2	16	11.7	31.5		9.6
10.4		22.4	2.4		9.5
9.7		27.2	6.9		9.6
10.4		39.7	27.5		
8.6		46.7	48.4	al	8.8
8.4		54.2	51.5	aml	8.7
10.4	17	3.7	52.0		
8.8		5.2	56.2	a	8.8
9.6		5.7	50.1	b	9.0
7.6		8.2	48.8	Gbl	8.2
8.8		10.2	33.9		9.0
10.0		13.7	57.7		
10.4		21.7	57.2		
9.6		32.7	7.0		9.5
10.4		39.7	52.8		
9.8		40.9	56.8		
9.2		42.4	59.1		9.8
9.2	18	0.2	43.0		9.3
8.4		5.7	45.1	a	8.9
9.0		7.2	34.1		9.0
10.4		11.2	44.2		
7.8		13.7	41.6	Gal	7.7
9.2		30.2	32.4		9.0
10.0		32.2	16.3		9.4
10.0		50.2	45.1		
8.6		51.7	11.1	G=	8.7
7.2		52.4	1.3	GSπμβ	6.0
9.4		52.7	42.9		10.
9.6	19	2.7	32.1		9.3
9.6		15.2	18.8		9.3
9.6		16.7	33.9		9.7
9.7		26.7	37.8		9.7
10.0		40.2	25.9		9.8
10.0		50.2	14.9		
8.6		52.7	51.9	9.0a	8.5
9.7		54.2	13.9		9.5
10.4	20	13.7	48.9		
10.0		13.7	23.6		9.5
9.6		26.7	7.6		9.4
8.5		39.2	24.0		9.0
10.4		48.7	48.3		
8.8		50.7	30.4		8.8
10.0	21	14.2	54.9		9.1
10.0	22	11.1	59.6		
10.0		22.2	6.3		9.3
10.4		32.7	8.6		
10.4		37.7	7.6		9.8
8.5		42.7	13.9	=	8.9
10.4		43.2	54.8		
10.4		43.5	29.6		9.5
10.0		48.2	4.4		
9.0		51.7	45.0		8.8
9.6		53.7	15.3		9.3
9.6	23	56.0	1.7		9.5
	+1	29.8	+2.8		

7501—7560.

mag.	19h. m	s	—22° ′		
9.4	23	58.4	3.4		9.4
9.6	24	12.3	0.7		9.8
9.4	25	11.9	28.0		9.5
9.4		15.4	26.8		9.5
10.2		16.4	21.8		10.
8.4		28.9	15.9	Wa	8.7
10.4		42.4	21.5		9.8
9.6		44.9	27.5		9.5
9.2		56.4	42.2		9.5
9.2	26	1.4	37.5	m	9.1
10.4		3.9	49.5		
10.4		15.9	35.7		
10.4		18.9	36.2		
10.0		20.4	8.3		9.8
9.8		22.4	1.6		9.4
10.0		30.4	16.6		9.8
9.2		33.4	33.9	Mm	9.5
9.0		40.4	22.3	a	8.8
10.0		46.4	11.9		9.5
8.6	27	17.9	16.3	a	8.3
9.8		30.0	37.7		9.8
10.4		36.4	27.0		9.9
8.3	28	13.9	26.3	M=m	8.3
9.6		21.9	48.5		9.3
9.4		34.3	46.7		9.1
10.0		50.9	55.3		
8.8	29	22.7	32.7	M	9.0
7.9		27.7	10.8	Cal	7.8
8.4		52.7	32.0	am	8.5
8.4	30	0.2	13.9	Cal	8.2
9.8		3.2	0.6		9.4
10.3		48.2	32.7		9.5
10.2	31	0.7	33.8	Mm	9.4
8.8		46.2	51.5		9.0
9.4		53.7	44.7		9.3
7.0	32	28.7	20.7	Wb=ml	7.3
9.4		33.7	51.7		9.2
9.8		38.7	53.7		9.8
9.8	33	26.7	53.2		9.4
8.4		34.7	42.5		9.0
9.8	34	14.7	16.5		9.4
10.3		15.7	25.9		9.5
9.4		30.2	45.8		9.5
9.4		33.7	40.2		9.0
10.3	35	23.7	36.2		9.5
10.2		36.7	16.7		9.5
9.6		54.7	30.1		9.1
8.4	36	11.7	13.5	am	8.9
9.8		20.2	44.7	Mm	9.1
9.8		37.7	1.3	Mm	9.4
8.8		45.7	32.3		9.1
8.4	37	14.2	50.5	b=ml	8.3
9.8		20.7	6.9		9.5
10.3		30.7	37.8		9.5
9.8		37.2	52.5		9.6
9.0		42.7	40.4	m	9.0
9.8	38	0.2	17.9		9.6
9.6		0.7	50.7		9.5
10.3		11.7	20.3		9.8
8.5		14.7	47.5	Mm	9.0
	+1	29.6	+3.2		

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7561—7620.

mag.	19^h m	s	–22° ′		
9.2	38	29.7	22.3	M–m	8.9
10.3		57.7	4.3		9.6
10.3	39	12.7	13.7		9.6
10.3		37.7	3.5		9.5
8.0	40	5.2	8.0	Wam	8.0
9.6		32.7	3.6		9.4
9.0		35.2	28.7		9.3
9.4		36.7	53.6		9.4
9.8		43.2	18.5		9.3
9.0	41	3.7	19.8		9.0
10.3		24.2	17.0		9.8
10.3	42	50.2	32.0	W	9.1
9.6	43	11.2	12.6		9.7
9.8		13.7	46.6		9.5
9.0		23.7	58.2		9.4
10.0		45.7	12.9		9.5
8.8	44	5.2	41.8	Mm	9.0
10.0		5.7	31.0		9.4
9.8		15.7	27.6	W	9.4
10.2		26.4	2.6		9.6
9.4		55.2	38.9		9.5
10.2	45	10.7	38.4		9.4
9.0		14.7	31.8	Wm	8.9
10.0		26.7	38.5		9.3
10.2	46	17.2	5.2		9.6
8.4		36.2	47.8	bm	8.9
9.6	47	11.7	57.9		9.3
8.8		11.7	4.0	Mm	9.1
9.0		17.7	56.6		9.0
9.8		50.2	27.2		9.2
9.4		53.2	4.5		9.4
10.2	48	2.1	27.7		9.3
9.8		29.7	17.7	W	9.1
8.8	49	16.1	42.0	Wm	9.0
9.0		18.4	20.1		9.1
9.4	50	40.9	27.4		9.4
8.8		50.1	40.2		9.1
9.0	51	0.1	55.6	Mm	9.2
8.2		9.1	35.1	GWa	8.0
8.7		15.0	57.2	–m	9.0
8.8		38.7	36.0	Wa	8.8
9.2		42.9	33.5		9.3
9.4		46.9	14.9		
9.3		48.1	5.8		9.5
7.8		48.7	15.5	=	8.0
7.0	52	9.4	32.8	GWctl	6.5
9.4		16.7	23.4		9.5
9.2		25.9	34.4		9.7
9.1		36.1	24.7		9.2
8.6		40.1	6.5	Cka	8.7
9.0	53	20.0	50.1		9.1
8.0		22.2	58.7	GWtlπ	8.2
9.3		37.1	31.5		
9.2		57.6	2.7		9.5
7.9	54	14.4	27.1	W=m	8.0
9.2		23.2	36.6		9.5
9.0		27.7	17.8		9.3
9.3		34.8	33.8		10.
9.3		44.7	57.4		
9.1		47.3	28.0		9.5
25pr.	+1	29.2	+3.8		

7621—7680.

mag.	19^h–20^h m	s	–22° ′		
9.4	54	52.0	29.5		9.3
9.2	55	33.7	10.1		9.6
9.2		44.0	27.5		9.5
9.0		55.4	36.3		9.5
6.6	56	19.3	56.8	7.5GSπμ	6.8
8.8		28.0	47.9		9.0
8.2		42.0	19.2		9.0
8.8		50.9	9.1		9.3
9.2		51.9	42.1		
7.3	57	2.2	32.2	Waml	8.0
9.3		3.6	59.7		9.3
9.3		6.9	16.6		9.4
9.0		9.2	29.7	a	9.1
8.6		29.6	15.8	kb	8.8
8.2		57.5	59.1	9.0Gam	8.5
8.7	58	13.3	56.8	10.0 Ga	9.5
8.7		13.6	48.0		9.4
9.1		18.2	26.1		9.5
neb.		41.7	16.4		*neb.*
9.4		49.3	37.3		9.4
9.4	59	9.2	56.7		
7.8		12.1	1.9	Gatlπ	7.6
9.4		30.9	22.8		9.3
9.4		58.6	23.8		9.3
9.1	0	8.9	19.3		9.4
9.4	1	27.9	43.4		
9.1		55.4	29.2		9.3
9.4	2	3.9	2.0		
8.7		21.9	30.5	Mm	8.9
9.0		49.7	35.2		9.0
9.4	3	36.8	13.0	K	9.4
9.2		51.4	31.0		9.4
7.8	4	2.1	19.0	aml	8.0
9.4		14.4	53.7		9.3
9.3		43.8	59.0		9.3
8.8		51.2	36.4		9.3
9.3	5	0.3	59.1		9.8
8.8		14.8	49.3		9.0
8.2		55.0	26.0	Mm	8.5
8.7	6	4.5	30.5		9.2
9.4		42.0	46.3		9.4
9.4		49.0	45.2		9.5
9.4		52.0	36.1		9.4
7.9		56.5	25.0	M≡m	7.5
9.4	7	2.1	48.2		
9.5		12.9	34.7		
9.6		13.2	24.9		9.4
10.0		45.8	58.4		9.3
10.2		45.8	12.9	}	9.3
10.4		47.2	12.8	}	
9.8	8	6.4	35.0		
9.5		13.2	29.6		9.5
10.0		24.7	19.4		
10.2		54.7	48.4		10.
9.2		57.3	11.4		9.1
9.2	9	14.2	51.4	–	8.8
9.6	10	33.2	59.2		9.7
7.3		41.2	11.7	Gctπβ	6.0
7.7		44.2	22.9	M=mπ	7.8
10.4	11	4.8	57.8		9.7
	+1	28.7	+4.3		

7681—7740.

mag.	20^h m	s	–22° ′		
10.0	11	33.2	56.7		
8.7		46.6	2.3		9.1
9.8		46.7	35.6		9.8
8.7		51.2	30.9	am	8.5
10.2	12	13.7	24.1		
10.2		15.7	24.5		
10.0		16.7	1.7		
8.4		19.7	16.6		8.8
10.2		23.2	17.6		
9.8		34.7	39.0		10.
9.2		40.2	30.9		9.2
9.6		43.2	19.2		9.8
10.4	13	16.2	34.5		
9.8		19.2	7.8		9.6
9.0		20.2	13.2		9.1
10.4		24.2	3.5		10.
9.5		34.2	26.0		9.5
9.6		36.2	33.9		9.4
10.0		42.7	17.2		
10.4		48.2	3.8		
9.6		54.7	12.5		9.5
9.8		56.7	21.0		
9.8	14	6.7	55.8		9.9
8.7		23.2	23.9		9.3
9.4		24.4	0.6		9.5
9.2		32.7	0.0		9.4
10.0		36.2	44.3		
10.4		40.7	56.9		
7.7		46.2	21.1	Gat	7.3
10.0		53.7	44.9		9.8
9.8		54.2	28.0		9.4
10.2	15	5.2	38.5		10.
10.2		6.2	14.9		
10.0		6.2	55.8		10.
10.0		7.7	36.8		
8.3		16.2	44.4	Wam	8.2
9.5		36.2	12.9		9.5
9.5		46.2	32.9		
9.0		52.2	31.6		9.3
10.0		57.7	39.1		9.8
10.4	16	9.7	6.8		
10.0		14.7	51.7		
10.4		21.2	26.7		
9.2		26.2	45.7		9.4
10.2		34.2	41.2		
10.0		47.2	14.9		9.4
8.0	17	2.2	26.0	b≡ml	8.1
9.6		3.2	42.6		9.5
9.4		5.2	13.7		9.6
9.2		26.2	11.8		9.3
9.2		35.7	53.2		
9.8		44.7	30.6		
9.2		51.2	50.8		9.3
10.4		55.7	7.2		
10.4		56.3	59.9		
10.2	18	0.1	1.1		
9.2		2.2	18.4		9.5
9.8		6.7	8.7		9.8
10.0		13.2	6.6		
8.4		14.2	3.9	Cal	8.6
	+1	28.3	+4.6		

7741—7800.

mag.	20^h m	s	–22° ′		
8.6	18	15.7	11.2	MW=m8.8	
9.2		16.2	58.7	9.0 G	9.0
10.2		31.7	28.6		
9.2		31.7	59.9	9.5 G–	9.4
9.4		45.2	3.6		9.8
8.8	19	6.2	51.0	9.0 m	8.5
10.2		8.2	57.1		
9.6		13.2	19.1		9.3
9.8		16.2	31.3		9.8
9.4		26.2	37.4		9.5
8.7		40.2	57.9	9.0 GWam	8.7
8.6		56.2	23.1	–m	8.3
9.4	20	23.7	25.9		9.1
10.4		42.2	6.5		
7.8		46.2	25.8	b>ml	8.0
10.0		59.7	53.8		
10.4	21	3.7	18.5		
10.2		14.2	27.7		
9.2		29.7	42.5		9.3
9.5		30.2	25.6		9.5
10.4		33.0	33.6		
8.6		34.2	44.6		9.1
9.8		42.7	23.5		
9.4		53.7	19.1		9.7
10.0		56.2	19.5		9.9
7.6	22	11.7	48.1	GStlπ	6.2
9.0		13.7	51.8	9.5	9.1
9.6		22.2	44.5		9.5
9.6		25.2	17.8		9.5
9.6		27.0	59.9		9.6
9.2		46.2	14.5		9.3
8.7		46.7	55.4	8.5 am	8.8
10.0		46.7	47.8		
10.0		54.2	24.1		
9.5		57.7	5.8		9.7
8.8	23	8.7	4.3		9.4
10.0		13.2	6.6		
9.2		27.7	53.8	9.5	9.4
9.2		34.7	47.1	m	9.0
9.0		35.7	31.9	–	9.3
9.2		41.2	28.1	–	9.3
9.6		49.7	50.8		9.5
10.4		54.2	42.8		
10.4	24	6.2	20.3		
10.4		12.2	31.0		
10.0		17.2	52.8		
8.6		18.7	55.4	8.0 GWam	8.7
9.6		26.2	23.8		
8.9		28.7	27.1		9.2
9.2		35.7	58.1	Wa	9.2
9.6		40.2	24.8		
7.8		54.2	34.5	GStlπ	8.5
8.0		56.2	34.9	GStlπ	8.8
9.8	25	4.2	42.4		
9.4		6.2	11.8		9.7
9.8		16.2	1.8		
9.8		23.2	38.4		10.
10.0		26.2	9.1		
10.4		35.7	5.6		
9.8		39.7	34.8		9.6
	+1	28.1	+4.9		

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7801—7860.

mag.	20h. m s	—22° ′		
9·8	25 41·5	58·9		
10·0	43·2	37·1		9·5
10·4	44·0	15·6		
9·8	58·7	46·8		
10·4	26 1·2	21·6		
10·2	2·7	44·9		
10·4	13·0	55·6		
7·6	13·2	39·2	GStlπ	7·7
10·0	23·2	6·5		
10·4	23·2	24·2		
9·7	27·7	34·3		
9·8	52·6	0·2		10·
10·2	53·2	36·4		
10·0	56·2	50·9		9·7
9·4	56·2	28·4		9·5
9·4	59·7	13·1		9·7
8·8	27 5·0	36·9	am	9·2
9·8	12·2	44·8		
9·5	26·0	25·0		9·8
9·6	31·6	58·9		
10·0	38·2	15·0		9·6
9·8	44·2	29·8		9·8
10·0	56·7	44·8		
9·2	58·5	15·0	MKm	9·3
9·6	58·5	5·1		9·5
10·4	28 6·7	53·3		
10·0	7·7	32·0		9·7
10·4	16·2	57·2		
10·0	16·7	29·8		
9·6	23·7	12·6		9·6
10·4	32·7	26·2		9·8
10·0	43·4	0·0		9·4
9·2	43·5	31·0		9·4
9·2	47·2	29·2	–	9·3
9·5	47·5	4·6	Mm	9·2
10·4	53·2	33·4		
10·4	58·2	10·4		
7·4	30 25·3	52·7	GSamc	7·8
9·8	39·3	10·9	–	9·4
10·2	46·3	9·0		
10·3	47·3	31·1		9·5
9·8	51·3	0·0		9·3
10·2	31 8·8	33·7		9·5
10·2	15·3	11·1		
10·0	27·8	11·6		9·9
9·1	29·3	45·2	am	9·1
10·3	41·3	20·9		9·8
10·0	55·4	32·6		9·5
10·0	32 33·4	30·4		
9·2	35·9	18·7		9·5
9·8	59·3	2·6		9·6
9·6	33 1·6	0·8		9·2
9·2	9·9	9·4		9·3
8·2	15·4	3·9	am	9·0
10·3	22·9	18·1		10·
10·3	45·9	22·0		9·8
10·3	34 4·9	33·0		9·8
9·0	7·9	17·1		9·2
9·3	18·4	44·9	Mm	9·2
10·0	39·4	56·7		
25pr.	+ 1 27·9	+ 5·0		

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mag.	20h. m s	—22° ′		
10·3	34 43·9	22·3		
9·6	44·9	54·9		9·3
9·0	44·9	44·5		9·1
9·8	35 25·4	9·6		9·5
10·3	25·9	44·1		
9·6	25·9	42·4		
9·3	52·4	24·3	≡	8·8
10·3	55·4	5·3		9·9
8·6	36 4·4	44·9	Mam	8·9
10·3	5·9	45·4		
8·0	8·9	54·0	GSamc	7·5
10·2	35·9	7·3		
9·0	38·9	42·0	a	9·1
9·8	45·9	59·9		9·5
10·3	37 3·9	24·5		
9·8	13·9	40·3		9·8
8·6	17·0	3·2	am	8·9
10·0	38·4	37·3		
9·3	38 3·4	12·1		9·5
9·1	4·4	42·4	=	9·2
10·2	19·4	17·1		9·8
8·6	22·4	47·6		9·2
9·2	32·9	5·8		9·4
8·2	53·9	11·4	–	8·0
9·6	39 6·4	54·3		9·7
9·2	8·4	12·7		9·1
10·3	9·4	11·4		
8·0	13·9	35·9	GSamc	8·0
9·6	15·4	8·7		9·2
9·6	21·9	53·4		9·4
9·6	32·4	40·5		9·3
9·0	32·9	41·8	–	9·1
9·4	38·9	21·5		9·2
8·8	57·9	24·0	am	9·0
9·4	40 12·4	12·2		9·0
10·3	12·9	8·2		9·6
10·3	13·0	0·5		
10·0	43·9	37·5		9·3
10·3	56·9	5·7		10·
8·6	41 12·9	32·0	Wam	8·9
9·4	37·9	52·1		9·5
9·6	39·4	18·4		9·5
9·1	52·4	5·5	Cam	8·8
9·6	53·4	16·7		9·6
10·3	55·4	53·8		
8·6	42 35·4	21·2	Wam	8·5
9·6	43 29·7	2·0		9·4
9·1	49·9	5·4		9·0
9·8	56·9	27·3		9·3
9·6	56·9	9·0		9·3
9·4	44 13·9	23·1	am	9·0
10·0	45 48·4	30·6		9·8
8·6	46 7·4	25·7	am	8·9
8·0	22·4	53·8	8·0 am	8·5
9·8	22·9	45·2		9·1
10·0	47 4·4	51·4	Mm	9·3
9·6	8·7	34·1		9·5
8·2	24·5	18·5	Cam	9·0
8·2	35·7	34·5	a	8·5
8·6	43·2	47·1	Mm	9·1
	+ 1 27·4	+ 5·3		

7921—7980.

mag.	20h.–21h. m s	—22° ′		
9·9	47 52·0	12·9		10·
8·4	48 4·0	35·8	am	8·3
9·7	4·7	30·2		9·5
9·9	13·5	55·3		
9·0	51·5	22·9		9·2
9·2	54·7	34·1	Mm	9·0
9·9	49 11·5	55·7		
9·2	27·0	20·6		9·1
8·0	39·0	28·9	am	7·5
8·5	50 4·5	6·5	Ca	9·0
9·7	19·0	24·5		9·5
8·0	33·5	2·0	Caml	8·3
9·0	53·5	35·9		9·3
9·7	59·5	58·5		9·3
9·9	51 3·0	4·7		9·9
9·9	52 2·0	4·8		
9·9	7·8	33·0		9·6
8·5	45·3	5·5	Cam	8·7
8·6	58·8	48·9	a	8·8
9·7	54 31·3	43·3		9·5
9·8	49·5	10·5		9·7
9·9	54·8	39·7		9·8
9·0	55 22·3	48·2	a	9·0
8·2	49·3	27·4	aml	8·2
9·9	53·3	40·5		
9·9	56 5·3	7·6		10·
8·5	12·3	1·8	Cam	8·4
9·9	29·3	39·5		9·4
9·0	39·3	47·7		9·4
9·2	41·3	12·6		9·7
9·9	57 1·8	57·1		9·9
9·5	4·3	39·8		9·7
9·9	9·5	12·3		
8·9	11·3	40·2		9·3
9·5	39·3	59·9	9·5 GMam	9·0
9·2	50·3	14·9	C–m	9·1
9·7	58 3·3	4·6		9·5
9·5	13·3	43·8		9·4
9·9	26·3	10·9		
9·7	45·3	47·2		9·7
9·9	59 2·3	41·0		
9·5	12·3	47·0		9·5
9·0	26·3	30·3	Mm	9·1
9·5	56·3	17·0		9·6
9·9	0 10·8	32·5		9·8
9·0	15·8	28·5		9·1
9·2	19·3	23·4		9·4
9·7	27·1	1·0		9·3
7·6	43·2	50·1	8·0 GWam	7·8
9·0	43·8	10·2		9·1
7·7	1 25·3	11·1	am	7·8
9·0	40·8	27·2		9·2
9·5	2 12·3	12·1		9·5
9·7	19·3	45·0		9·4
9·5	52·3	5·4		9·5
9·9	3 4·8	33·3		9·8
7·8	17·8	59·2	7·5 GSal	7·7
9·0	46·8	11·1		9·5
9·9	4 30·8	53·3		9·9
9·9	43·3	56·6		9·5
	+ 1 26·7	+ 5·8		

7981—8040.

mag.	21h. m s	—22° ′		
9·0	4 56·8	24·2	=	9·0
9·5	59·8	35·1		9·4
9·2	5 22·3	3·2		9·4
9·2	25·3	17·3		9·3
9·9	48·8	8·3		9·7
9·2	6 34·8	36·3		9·0
8·5	42·8	34·6	b	8·8
6·7	50·8	43·5	GSlπμ	7·0
9·2	7 14·8	43·1		10·
9·0	41·8	20·2	G	9·0
7·8	53·0	19·9	Gctlπ	7·7
9·7	54·0	22·7		10·
9·9	8 22·8	21·3		9·9
9·0	9 2·3	42·0	am	8·9
10·1	15·9	6·2		9·9
8·0	17·4	25·8	≥	8·9
10·1	25·3	49·2		10·
10·1	53·4	18·4		9·2
9·4	55·4	6·0		9·2
8·4	10 5·4	35·8	–m	8·8
7·5	6·4	15·5	C≥	8·1
7·6	25·9	7·4	CW=m	8·3
9·9	31·4	22·1		9·7
8·4	51·9	34·0	Mm	9·0
8·0	11 43·4	33·6	Wam	8·3
9·6	12 21·4	47·5	–	9·4
8·7	35·9	27·4	am	8·7
10·1	41·6	41·2		
9·7	43·4	53·2		9·4
9·8	13 29·9	6·4		9·3
7·8	32·4	54·9	8·0 Gal	8·2
10·1	14 42·6	18·8		
9·4	48·4	3·8	C	9·1
10·0	51·9	55·5	–	9·1
10·0	15 21·4	27·4		9·4
9·4	52·9	38·8	≡	9·1
9·2	16 42·3	59·0	a	9·2
9·4	17 3·9	35·4		9·2
8·7	12·9	23·2	≡	9·0
9·4	50·0	11·2		9·2
9·7	18 14·5	34·1		9·0
7·7	34·5	12·0	MCam	8·3
8·7	36·0	3·3	Ca	8·8
8·2	19 7·0	22·1	CW≥m	8·3
9·8	8·0	25·7		9·1
5·4	32·5	57·1	3·5 GSμβ	4·7
9·9	52·5	40·8		9·4
8·0	21 5·0	15·6	Gbtlπ	8·2
6·5	35·0	20·9	GWπμβ	5·7
9·6	37·0	28·1		9·0
9·2	46·0	11·8		9·3
8·8	22 0·5	30·1		8·5
8·2	37·5	33·6	a	8·9
10·1	23 36·5	50·9		9·4
10·0	49·1	6·6		9·4
10·1	24 10·6	54·0		9·3
10·1	24·6	29·3		9·3
7·8	26·1	33·4	Wbml	7·8
7·8	25 34·1	19·5	b≡ml	8·3
10·0	37·8	59·2		
	+ 1 26·0	+ 6·3		

8041—8100.

mag.	21h. m	s	−22° ′		
9·6	25	48·1	26·0		9·3
9·4	26	20·6	24·6		9·4
9·2		27·1	48·9	a	9·2
8·5		32·6	12·9	−m	9·0
8·2		34·1	31·1	≡	8·5
9·2	27	4·8	49·0		9·4
10·1		18·4	52·7		9·9
9·7		22·6	55·0		9·5
10·1		37·1	21·1		9·5
10·1		44·6	46·3		
9·6	28	0·4	4·0		9·7
9·2		7·4	37·0	am	9·0
9·4		44·4	19·0		9·5
8·8	29	30·9	51·4	am	9·2
9·2		37·4	23·1	am	9·0
8·2		38·9	3·7	Cb≥ml	7·8
9·2	30	20·9	43·0	a	9·0
9·9	31	21·3	28·0		9·6
9·4		47·4	4·4		9·3
10·0		58·3	52·5		
8·1	32	4·4	16·6	Cam	7·5
9·4		11·4	6·9		9·7
8·6		50·9	43·2	a	8·7
10·0	33	13·3	11·1		9·7
9·6		17·9	8·2		9·6
9·4		46·4	44·1	a	9·0
10·0	34	0·9	53·6		9·5
8·0		25·9	29·6	GWatπ	7·8
8·4		29·9	13·7	GC=tπ	8·0
9·5		45·9	44·0		9·5
9·5	35	15·4	49·4		9·4
8·9		20·4	19·8		9·0
9·5		43·9	40·1		9·5
10·0	36	2·4	15·0		
9·5		52·9	32·0		9·5
10·0		58·9	13·6		9·7
8·9	38	16·9	26·8	a	8·8
9·0	39	26·9	41·6		9·3
8·6	40	4·4	14·1	≥	8·7
9·1	41	24·9	14·9	=	9·1
9·2		39·6	42·2	−m	8·7
9·5	42	4·6	23·9		9·6
9·4		19·1	34·2	am	8·4
9·2		37·1	23·0		9·1
9·5		47·6	46·6		9·4
8·9	43	23·6	47·7		8·8
9·6	44	9·6	15·6		9·3
8·8		21·6	20·0	M≡m	8·3
9·0	45	19·1	58·7		9·1
9·9		35·5	18·2		9·5
9·4		55·6	27·7		9·0
9·9	46	34·5	31·1	Mm	9·1
8·5		35·1	18·4	≥	8·6
10·0		59·6	16·4		9·5
10·4	47	35·4	24·9		9·5
9·8		38·0	42·0		9·5
9·8		56·8	10·7		9·5
9·4	48	21·9	53·9	b	9·1
10·0	49	5·4	45·3		9·8
8·7		29·1	41·7	am	8·5
25pr.	+1	25·0	+6·7		

8101—8160.

mag.	21h.–22h. m	s	−22° ′		
8·8	49	34·6	21·0		9·0
9·0	50	3·1	36·4		9·1
10·0		15·1	47·1		9·5
10·0		15·6	50·9		9·4
8·8		28·1	51·5	9·0	9·0
9·4		34·4	2·5		9·6
8·8		35·8	0·2		9·2
10·4		51·4	59·9		
9·8		55·1	53·2		9·5
9·8	51	23·6	4·9		9·4
10·2		32·6	23·3		9·6
10·4		42·6	57·2		
10·4		45·6	28·1		
9·1		55·6	13·3		9·1
9·2	52	24·6	42·6		9·2
8·8		45·6	18·9		9·1
10·0	53	6·6	22·4		
10·2		8·6	10·1		9·8
10·0		12·6	27·5		9·8
10·0		19·6	55·7		9·6
10·0	54	22·6	16·0		9·8
9·2		43·8	2·5		9·5
9·2		50·1	13·6		9·2
9·8	55	12·6	18·0		
8·8		13·6	42·1	a	8·7
9·8		32·6	44·0		
9·6		34·3	2·5		9·6
10·0		36·6	57·3		9·5
10·4		42·8	1·9		10·
10·4		43·6	55·3		
9·8		55·6	7·6		9·7
9·8		59·6	53·9		9·9
8·6	56	29·6	18·2	Wam	8·5
9·8	57	7·6	24·1		9·3
7·7		12·1	22·9	GWtlπ	8·0
9·6		29·1	26·5		9·5
9·2		53·1	53·6	9·0 Gb	9·0
8·7		56·1	50·9	8·0 Gal	8·5
9·5	58	33·1	22·9		9·3
10·4	59	2·1	14·7		9·4
10·0		8·6	50·0		9·4
9·8		50·1	41·3		9·3
7·6	0	16·6	50·9	6·5 GSlπ	6·8
8·8		20·6	41·2		9·0
10·0		49·6	52·9		9·5
7·6		54·1	12·1	Wkaml	8·0
10·2	1	6·1	26·9		10·
9·2		44·6	17·9	CWam	9·0
9·8		53·1	52·1		9·5
9·2		58·6	55·5		9·4
10·4	2	3·1	3·3		
10·0		12·1	35·1		
10·4		32·6	14·9		9·5
10·4		47·1	46·9		10·
9·6	3	7·1	41·1		9·5
9·8		10·8	1·9		9·5
9·2		18·1	44·5	−	9·0
9·6		18·6	17·1		9·5
9·2		27·6	31·9		9·2
8·0	4	25·6	49·3	8·0 GMal	8·3
	+1	23·9	+7·2		

8161—8220.

mag.	22h. m	s	−22° ′		
9·8	4	27·1	50·1	G	9·2
9·1	5	52·6	7·1	Wam	9·0
10·4		52·6	17·9		9·5
10·2		54·1	15·9		9·5
8·6		58·6	6·0	MCWam	8·9
7·6	6	14·1	1·5	CWam	8·2
9·8		20·1	19·5		9·5
8·4		56·1	52·9	8·0 a	8·3
7·5	7	12·1	1·9	CWaml	8·0
10·2		17·1	26·9		
10·2		18·6	25·3		
10·2		22·7	59·4		
10·0		42·1	19·3		9·4
10·0	8	22·6	47·1		9·4
10·0		56·8	42·9		9·5
9·6	9	22·0	46·8		9·4
10·2		33·0	32·0		9·3
10·2		56·0	55·3		9·6
10·2	10	16·0	12·2		9·8
10·3		25·3	1·2		9·8
9·5	11	3·0	6·7		9·5
7·3		16·0	55·2	8·0 GSal	7·2
10·2		17·0	14·6		
8·6		21·0	3·2	Ca	8·8
10·0		28·0	12·0		9·7
10·0		30·5	46·0		9·5
8·8	12	2·5	52·2		9·1
10·3		3·0	14·2		
10·0		20·0	55·6		
10·2		23·5	6·0		10·
9·2		47·5	44·2		9·4
9·1		52·0	43·4		9·4
9·0	13	1·0	20·4		9·5
8·0		6·0	38·6	Maml	8·0
9·6		25·0	35·0		9·8
10·3		26·5	7·8		
9·8		36·0	26·1		9·4
9·4		43·0	25·0		9·4
10·0		51·5	16·8		9·8
9·1	14	7·5	16·4	W	9·0
10·2		7·5	48·0		9·4
8·8		16·0	15·7	CWbl	8·8
6·8		43·0	13·3	GSlπβ	5·7
9·0	15	50·0	48·0	a	9·0
9·6	16	57·0	56·3		9·8
9·0	17	2·0	32·3		9·0
8·2		24·0	13·8	Waml	7·5
8·2		28·0	53·5	8·5 Ga	8·5
10·3		48·0	16·9		
9·6		59·0	49·6		9·7
9·1	18	33·5	39·6		9·2
8·6		46·0	14·0	Wam	8·5
10·0		46·0	29·0		9·8
9·0		56·8	25·7		9·3
9·6	19	2·8	8·0		9·3
9·4		59·8	13·5		9·3
10·3	20	27·6	34·8		
10·3		59·6	41·4		
8·5		59·8	30·2	=	8·0
9·6	21	27·8	53·0		9·2
	+1	23·0	+7·5		

8221—8280.

mag.	22h. m	s	−22° ′		
9·8	21	35·3	36·2		10·
9·6		37·8	15·9		9·5
7·2		55·8	42·4	GSal	7·8
9·6	22	4·8	14·5	−	9·3
10·0		45·8	3·4		9·5
10·0		49·8	17·9		9·5
9·0		54·3	47·8	a	9·0
10·3	23	20·1	0·3		9·5
10·3		52·3	42·4		9·8
9·4	24	4·8	32·2		9·3
10·3		29·3	58·9		
9·0		53·3	31·6	=	8·8
8·6	25	0·8	36·9	−	9·1
9·4		6·8	41·9		9·4
9·1		13·3	14·4	−	9·2
9·4		13·8	55·3	9·5 a	9·1
9·8		56·8	23·5		9·5
10·0	26	15·8	18·0		9·6
9·4		35·8	33·6		9·1
9·6		55·8	58·6		9·2
8·5	27	3·4	44·9	Wa	8·5
9·6		7·9	26·3		9·3
10·3		12·6	56·7		
10·2		21·3	47·3		9·6
10·0		26·8	31·4		9·8
10·3		42·8	30·8		9·9
8·6	28	16·5	43·5		8·8
9·5		40·2	5·7		9·3
10·2	29	3·8	59·2		
9·6		23·9	19·9		9·3
8·8		25·6	19·4		9·0
9·8		34·6	39·5		9·5
8·4		42·1	13·8	a	8·6
8·6	30	1·1	10·7	a	8·9
9·4		5·1	19·1		9·1
7·4		45·6	26·7	Wal	8·3
10·3	31	39·1	57·8		9·5
9·6		42·6	51·8		9·5
8·8		53·6	18·2	a	8·6
9·6	32	15·6	11·8		9·2
9·4		51·6	50·4	9·0 a	8·9
9·4	33	32·6	42·8		9·3
10·3		35·6	26·8		9·5
10·2		58·6	39·8		9·5
9·8	34	7·6	52·4		9·8
9·8		30·6	31·8		9·4
10·3	35	6·6	16·0		9·4
9·0		19·6	25·2	−	9·0
9·0		53·1	56·6	a	8·8
9·4		57·1	24·4		9·5
9·6	36	9·0	48·7		9·3
7·2		14·5	18·6	GSal	7·0
9·6		16·5	7·5		9·5
9·4	37	55·0	39·4		9·1
9·4	38	13·0	28·3	−	9·0
9·8		21·0	49·9		9·3
9·8		41·0	13·3		9·5
9·8		42·3	2·9		9·5
10·0	39	8·0	40·9		9·6
9·0		9·5	51·9	9·0	9·0
	+1	22·2	+7·7		

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8281—8318.

mag.	22^h m s	—22° ′		
9·8	40 17·0	45·5		9·4
9·6	37·0	30·5	–	9·1
10·3	44·0	59·8		
8·8	56·0	52·1		8·8
8·6	59·0	48·1		8·8
8·6	41 20·0	17·2	Ca	8·3
10·3	42 25·0	14·5		9·5
9·8	33·1	16·3		9·4
9·8	53·1	15·9		9·4
9·8	43 36·1	14·6	–	9·3
10·3	44 47·1	42·3		9·5
10·3	47·1	58·3		9·4
7·7	45 38·1	22·2	a	8·0
10·2	46 36·1	43·9		9·5
10·2	54·1	58·2		9·3
9·2	47 13·7	36·3	–	9·1
10·3	22·1	14·9		9·6
9·2	26·1	49·9	9·0	9·0
9·6	46·2	2·9	–	9·2
9·4	51·7	0·9		9·4
10·2	48 39·1	42·1		9·5
10·3	49 25·6	40·9		9·8
8·8	51 16·8	42·2	a	8·5
10·0	26·8	37·4		9·4
10·1	52 3·6	10·6		9·2
8·8	45·6	49·2	a	8·9
9·7	56·0	45·5		9·4
9·4	53 39·5	17·5		9·0
10·1	58·7	31·3		9·4
8·5	54 11·4	55·9	9·0 Gb:	8·3
8·7	55 19·8	30·7		8·9
10·1	56 38·8	58·4	9·5	9·1
10·0	47·0	17·1		9·1
9·4	53·0	21·3	–	9·1
7·7	57 29·4	54·3	8·0 GWbl	7·1
9·4	53·8	11·1		9·2
9·7	58 16·3	43·5		9·3
8·8	42·7	24·7		9·1
25pr.	+1 21·1	+7·9		

8319—8356.

mag.	22^h.–23^h. m s	—22° ′		
9·0	59 33·6	36·6	a	8·7
9·2	47·4	57·4		9·1
8·5	0 14·5	7·7	Ca	8·5
8·1	21·5	53·6	–	8·2
10·1	1 4·8	5·9		9·4
9·9	7·3	43·2		9·5
8·5	36·8	16·8	C–	8·7
9·8	2 29·2	41·1		9·1
9·8	3 0·1	2·1		9·5
10·1	4 16·4	10·1		9·5
9·4	17·9	16·8	–	9·0
9·2	5 3·2	24·7		8·5
9·7	8·7	53·7	10·0 Ga	9·1
8·2	6 7·1	37·0	=	8·0
9·2	37·5	4·4		9·1
10·1	56·0	38·5		9·5
10·2	7 0·2	10·5		9·6
9·2	8 0·4	16·5	–	8·8
9·6	10·9	49·3	9·0	9·2
9·3	17·1	48·3	8·5	9·1
9·8	23·6	36·1		
10·2	57·1	35·5		9·8
8·7	9 1·1	31·7	–	9·0
7·8	1·6	0·5	CWa	8·8
8·1	3·1	56·6	8·5 Wa	8·8
10·2	27·6	16·1		
9·8	11 5·9	52·2		9·3
10·2	17·9	48·0		9·8
8·4	12 11·9	48·9	8·8 Ga	8·3
10·2	13 33·9	10·0		9·5
9·2	14 6·9	59·4	8·5 a	8·9
9·6	16 13·9	56·7		9·2
8·7	21·9	13·0	C–	8·7
8·7	31·2	0·0	Ca	8·8
9·8	45·9	10·0		9·4
9·4	17 1·8	25·6		9·3
7·1	28·3	27·3	GStlπ	6·8
8·4	18 2·8	40·0	8·5 G–	8·0
	+1 19·9	+8·1		

8357—8394.

mag.	23^h. m s	—22° ′		
8·0	18 11·8	7·7	Cal	8·2
9·8	27·8	43·8		9·5
9·1	36·3	43·8		9·2
9·8	40·8	2·1		
8·4	56·8	20·6	a	8·5
9·8	19 21·8	24·5		10·
8·4	39·8	7·1	–	8·8
7·2	59·8	25·6	GStlπ	6·5
8·6	20 27·8	45·5	a	8·8
9·4	38·8	47·2		9·4
10·2	21 42·8	38·8		9·6
8·8	22 5·8	9·5	C≡	8·7
7·8	37·8	50·2	b=l	8·0
8·7	57·3	51·9		8·9
7·4	23 41·8	34·3	GSal	7·3
8·4	56·3	41·7	a–l	8·3
9·4	24 5·3	57·9		9·1
6·8	25 8·8	3·5	GWlπβ	7·0
9·6	10·3	30·3		9·7
8·3	35·3	29·5	W–	8·2
9·3	26 1·8	50·0	a	9·0
8·2	16·8	22·5	C–	8·0
9·6	34·8	8·5		9·5
10·2	36·9	51·9		9·8
9·2	28 27·3	27·9	=	9·0
9·2	30·2	32·9	a	9·0
10·2	45·8	25·6		9·6
8·9	29 12·8	25·3	a	8·6
8·7	24·3	20·0	Ca	8·5
9·4	51·1	0·1		9·5
9·2	30 23·6	43·9	9·0 a	8·5
8·6	30·6	21·9	Ca	8·1
9·2	31 52·6	51·1		9·1
8·6	55·6	21·8	Ca	8·3
9·2	32 21·3	0·7		9·0
7·6	44·6	37·0	al	7·2
9·3	33 8·1	26·7		9·2
8·7	36 53·6	24·0	Ca	7·8
	+1 18·9	+8·2		

8395—8432.

mag.	23^h. m s	—22° ′		
9·0	37 23·6	45·9		9·0
9·5	55·5	52·8		9·1
9·6	38 15·6	46·9	a	8·9
8·6	57·9	32·2	a	9·0
9·2	39 1·9	18·8		9·1
9·6	5·9	30·5		9·4
9·6	32·1	35·0		9·0
9·6	51·4	31·8		9·1
8·6	40 41·9	12·2	Ca	8·5
8·6	44·9	28·0	≡	8·3
7·7	56·4	58·1	8·0 G=tπ	7·5
9·0	41 30·6	36·3		9·1
7·4	42 57·6	18·4	GStlπ	6·8
9·0	58·1	53·5		9·0
9·2	43 6·1	53·3		9·1
9·4	18·1	42·1		9·5
9·3	28·1	35·9		9·1
8·4	57·6	56·3	8·0 Ga	8·0
8·8	44 17·9	1·9		8·8
9·2	45 18·7	20·1		9·4
8·4	46 28·7	10·5	Ca	7·8
8·8	47 16·2	18·9	b	8·5
9·6	22·2	59·9		
9·5	48 42·7	5·2		
7·2	43·2	4·5	Cb≥l	6·8
9·6	46·3	19·4	a	9·1
7·8	49 41·0	41·2	GSal	7·0
9·3	50 9·8	18·9	a	9·0
8·2	51 2·8	20·4	Ca	8·5
7·8	41·8	35·8	Wa	8·5
9·8	52·3	51·4		9·4
8·8	58·8	35·7	a	9·0
9·6	54 34·8	20·7		9·2
8·4	48·3	6·0	C=	8·6
9·5	55 7·8	50·2		9·1
8·4	56 19·8	35·1	=	8·3
7·4	58 56·1	0·7	Ca	7·4
9·5	59 32·3	21·3		9·3
	+1 17·7	+8·3		

ZONE — 23°.

1—30.

mag.	0h. m	s	—23° ′	
6.0	0	26.4	48.2	6.0 GSlπ
9.8		30.4	31.6	
8.6		48.9	48.6	9.0 GW≡
5.7	1	22.9	12.2	GSb—l
8.8	3	58.9	27.9	—
9.6	5	21.9	10.0	
7.4		32.9	30.7	8.0 Gal
7.0	6	42.1	10.0	6.5 Gbl
9.0		48.0	37.8	—
9.6	7	19.0	10.7	
7.0		23.2	54.5	7.2 GSal
9.8		44.8	54.2	9.5 G—
9.7		54.3	36.8	
8.0	8	54.5	35.1	8.0 Ga
9.8*	9	30.6	13.8	
8.8		38.2	6.9	a
8.6		56.4	16.2	9.5 Gb
7.5	10	2.9	16.8	8.0 Gbl
9.8	12	33.3	59.1	
9.8		35.8	51.7	—
9.2		47.3	36.4	9.5 a
8.8	13	31.3	5.1	a
7.8	15	32.8	20.0	8.5 Ga
7.2		32.8	41.8	8.0 GSlπ
9.2		48.3	37.4	—
9.0	16	47.8	45.5	9.5 Ga
9.8		49.3	33.6	
9.8	17	12.3	42.9	—
8.8	20	13.3	8.5	9.0 Ga
9.8		19.3	58.4	—
25pr.	+ 1	16.2	+ 8.3	

31—60.

mag.	0h. m	s	—23° ′	
9.6	20	31.3	38.5	
8.4		41.5	59.2	9.0 a
8.4		59.3	25.5	a
9.8	21	35.3	52.0	—
9.4		52.3	18.7	
8.2	22	6.3	32.7	8.0 Gal
9.4	23	19.8	52.7	—
9.0		52.8	11.8	
9.8	24	34.3	23.5	—
9.2	25	6.3	53.3	—
9.4		23.8	38.4	
9.2		29.8	21.8	
9.6	26	29.3	8.0	
9.8		32.3	12.2	
9.6		38.5	23.0	
10.0		43.1	35.3	
9.6		52.6	35.5	
9.6	27	3.4	54.5	
10.0		28.6	26.2	
10.0	28	22.1	33.5	
10.0		41.6	56.7	
10.0		58.1	17.6	
10.0	29	35.1	9.9	
10.0		52.4	36.6	
6.8		53.5	31.7	6.0 GSal
9.4	30	5.1	32.9	—
9.4		24.1	11.3	
9.1		27.1	41.2	
9.2		47.6	51.1	
9.2	31	0.1	57.7	—
	+ 1	15.1	+ 8.3	

61—90.

mag.	0h. m	s	—23° ′	
9.0	31	31.6	39.7	9.5 —
8.4		44.3	1.7	9.0 G
9.8		48.6	13.5	
9.4		49.6	52.1	—
8.8	32	0.1	54.5	—
9.2		43.1	15.3	
10.0		52.1	20.0	
9.6	33	52.7	31.3	
9.6	34	11.2	8.0	
9.4		23.2	13.2	
9.4		39.7	41.4	
8.1		51.2	50.1	9.0 a
8.8		56.2	8.6	
9.6	35	52.2	29.7	
9.6		54.2	5.8	
8.6		59.7	40.8	a
8.8	36	10.5	58.2	9.0 Ga
9.1		43.2	18.4	9.5
8.6	37	17.2	19.2	8.5 a
9.8		31.1	33.1	
9.2	38	4.7	45.0	—
8.8		46.2	32.8	—
9.8	39	7.2	59.8	
9.8		26.3	44.1	
10.0		49.3	30.6	
6.6		59.3	12.4	5.8 GSbl
9.8	40	2.3	16.0	
10.0		12.3	13.0	
8.8		49.3	26.2	a
9.2	41	16.3	47.8	—
	+ 1	14.5	+ 8.3	

91—120.

mag.	0h. m	s	—23° ′	
10.0	41	45.8	11.8	
8.4	42	38.8	45.0	—
9.2		54.1	2.7	
9.8	43	6.8	38.0	
7.4		12.8	54.0	7.3 GWal
9.6	44	5.3	6.6	
9.8		10.8	57.4	
10.0		11.8	47.1	
9.6		58.8	28.2	—
9.6	45	2.3	48.2	
9.0		20.3	34.8	8.5 —
6.9	46	4.8	17.3	7.0 Gal
9.8	47	9.3	2.0	
9.2		10.7	37.4	—
9.4		39.0	4.7	
9.6		45.2	46.3	
10.0		49.8	24.1	
8.6	48	4.8	33.8	—
10.0		25.8	57.3	
9.0		31.2	7.8	a
9.6		40.2	39.1	
9.6		52.5	23.2	
9.6		55.7	39.8	—
9.1	49	50.7	9.3	G
8.7	50	0.7	10.0	9.5 G
8.2	51	18.2	5.9	9.0 Ga
8.4		52.7	16.2	8.5 Ga
9.3	53	35.2	16.9	
9.4	54	21.2	23.2	
9.3	55	18.7	46.6	
	+ 1	13.7	+ 8.2	

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121—180.

mag.	0h.–1h. m	s	−23° ′	
9·1	55	22·2	28·7	b
9·6	56	32·7	44·0	
8·0	57	7·2	51·2	9·0 GWa
9·0	58	12·2	10·2	
8·6		20·2	9·2	9·5
8·4		32·7	10·5	8·5 a
9·6	59	34·7	14·2	
9·4		54·7	7·1	
9·2	0	36·7	18·2	
7·8		44·2	31·2	8·0 G–
9·3		55·2	55·0	a
9·6	1	41·2	5·8	
9·6		56·7	15·1	
9·2	2	7·2	5·9	
8·8	3	39·2	1·0	
10·4†	4	6·6	59·0	
9·6		9·7	10·0	
9·0		20·2	26·4	a
9·4	5	11·7	23·2	
8·6		25·7	23·7	8·5 Ga
10·4†		39·3	57·9	
9·4		56·2	7·2	
8·8	6	10·2	19·8	9·0 Gb
9·0		25·5	12·2	a
9·6		47·7	58·4	
9·1	8	7·9	21·0	–
9·6		11·2	51·9	
9·0		20·2	40·7	9·5 –
8·6		27·2	6·6	8·5 Gal
10·2†		29·1	50·5	
8·4		40·7	11·3	8·0 Gbl
7·9	9	5·5	33·7	a
8·5		19·2	34·9	a
8·2		54·0	58·6	8·5 Ga
9·0	10	53·7	7·3	
9·2		54·2	6·3	
8·2	11	4·2	54·0	9·0 Ga
9·7	12	21·7	48·9	–
6·8		24·2	40·1	7·5 Gal
7·9		39·2	28·7	8·5 al
8·2	13	22·2	45·9	8·5 Ga
9·8		40·2	7·5	
9·6		51·3	35·8	
9·7	14	7·7	42·6	–
9·8	15	33·2	33·7	
9·4		52·2	9·4	a
10·4†	16	15·6	51·8	
9·2	17	9·7	8·7	a
9·8		13·7	58·4	–
9·0	18	7·2	25·3	a
7·5	20	5·7	26·9	8·0 Gal
9·8		33·3	22·1	
9·4		45·2	45·7	
8·8	21	4·1	57·5	9·5 a
9·8		9·2	9·7	
9·8		57·3	40·5	
8·3	22	31·3	24·7	–
9·0		48·8	7·2	
7·6	24	1·3	10·0	8·0 Gal
8·2		33·8	53·3	8·5 Ga
25pr.	+ 1	12·5	+ 8·0	

181—240.

mag.	1h.–2h. m	s	−23° ′	
8·8	25	2·8	10·1	9·0 Ga
9·3		43·8	52·7	a
9·8		47·6	51·5	–
8·8		53·2	5·6	
7·8	26	45·6	3·5	8·5 al
9·3		59·3	12·8	
9·2	28	9·8	25·1	8·5 Ga
9·2	29	0·8	31·6	a
9·2		7·8	4·5	a
10·0†		56·9	54·8	
9·6	30	19·8	7·3	9·5
8·0		21·3	4·5	8·5 Ga
8·0		49·3	4·9	8·0 Gal
9·4	32	6·8	3·8	9·0 a
9·6		41·6	5·1	
8·2	33	14·4	45·6	8·0 Gb
7·6		59·9	32·8	7·5 GWal
8·6	34	1·7	1·2	
8·6		47·4	25·1	Ga
8·8	35	2·4	24·9	
8·4	36	32·4	34·1	Ga
8·4	37	31·9	48·0	9·0 Ga
8·6		37·9	21·8	8·5 G
9·6	40	36·9	17·0	
9·4	41	2·4	47·3	
8·6		41·4	26·8	a
8·8		45·7	1·2	9·0 a
9·4	42	5·9	14·5	
9·4	43	29·5	7·0	
8·4	44	2·0	10·0	a
8·6		29·0	23·2	GWb
9·6		46·0	52·9	
9·4	45	0·0	15·1	
7·6	46	3·0	46·1	8·3 Wbl
9·0		50·6	3·3	8·5 Ga
8·8	47	53·6	44·8	a
9·0	49	6·7	24·0	a
10·0		58·8	15·8	b
9·3	50	1·8	11·4	9·5 Gb
9·3		18·8	44·7	
9·3		31·8	19·5	
6·2		49·3	8·3	5·0 GSπβ
9·6		54·3	29·0	
10·0†	51	38·4	58·4	
10·0	52	23·8	49·9	
10·0		43·8	17·0	
6·2	53	10·8	31·7	8·0 GSbl
9·8		11·3	21·2	
10·0		11·8	54·2	
8·8		12·8	35·9	
8·9		13·2	59·7	9·5 Ga
9·8	54	0·3	56·9	
9·8		5·8	8·1	
8·2		50·3	50·2	9·0 a
10·0	57	1·8	51·2	
10·0	58	39·8	50·8	
9·6	59	32·8	52·0	9·0 a
10·0		55·3	46·1	
9·3		57·0	11·7	
8·7	0	15·0	59·9	9·2 a
	+ 1	10·5	+ 7·5	

241—300.

mag.	2h. m	s	−23° ′	
9·6	1	17·0	42·1	
8·0	3	18·0	34·9	7·0 GSal
10·0	4	56·0	39·7	
7·7	7	28·3	27·5	7·5 Gal
10·0	8	25·8	8·5	
7·6	9	31·8	52·0	7·8 GSal
8·2		51·4	57·2	7·8 GSl
7·7		53·0	10·9	
8·4	10	11·5	30·9	a
7·6		28·0	37·3	8·0 Gal
8·6		46·0	12·7	a
9·8	11	36·8	11·5	
9·2		54·0	30·9	–
7·7	12	27·5	9·9	Gal
8·4	14	59·0	10·6	
9·8	18	27·0	8·1	
9·0		45·5	4·4	
9·2		49·0	19·3	
9·8	19	25·8	26·1	
9·0	20	32·5	28·9	=
9·8†		41·4	58·4	
8·0	21	3·0	32·0	8·5 Ga
8·3	23	22·0	46·0	8·0 GSa
9·8	24	6·0	53·8	
6·2		12·5	14·4	6·5 GSlπ
9·8		31·4	30·5	
7·3		50·9	6·1	6·0 GSlπ
9·8	25	0·0	59·6	
9·0		11·9	43·7	a
9·8	26	4·9	59·8	
9·2		12·9	43·4	
7·1		19·4	38·2	7·5 GSal
8·7		37·9	24·9	
8·3		45·9	53·0	8·5 Ga
8·6	28	59·4	41·5	8·0 Ga
9·9	30	6·8	58·9	
9·9		51·4	9·5	
9·3	31	10·4	15·6	
8·6		41·4	16·1	
9·1		50·4	28·1	=
7·3	32	5·4	32·1	6·5 GSal
9·8		18·9	25·7	
9·6	35	3·4	21·6	–
9·0		9·9	29·5	=
8·6	36	17·4	8·4	8·5 Gal
10·0	37	51·6	14·3	
8·6	38	2·6	12·0	9·0 G
10·0	39	33·6	20·8	
9·3	40	22·1	16·0	
9·6		46·6	21·1	
9·6		49·1	21·1	
9·0	41	4·6	11·1	a
9·9		5·6	45·7	–
6·4		32·8	0·6	6·5 GSal
9·4	42	32·6	3·8	
8·7		52·6	36·9	a
10·0	44	1·1	53·1	
7·0	45	13·6	32·6	7·0 GWbl
9·2		38·6	10·9	
8·7	46	13·6	41·4	9·0 Ga
	+ 1	8·2	+ 6·7	

301—360.

mag.	2h.–3h. m	s	−23° ′	
10·0	46	41·6	32·0	
9·6	47	1·1	58·5	a
9·9		50·6	52·3	
9·8	48	2·3	58·3	
9·3		8·8	17·8	
8·6		9·6	39·3	8·5 W≡
9·2		33·8	55·3	Ga
8·6		39·1	27·6	8·0 Wa
9·9		40·6	40·7	
9·4		43·1	8·6	
9·6		46·6	47·3	–
9·8	49	26·0	50·9	–
9·5		55·5	53·9	
8·5	50	20·5	43·5	9·0 GWa
9·4		42·0	59·5	
8·2	51	16·5	29·3	9·0 G≡
9·2		26·5	12·4	
9·4		29·3	52·9	–
9·8		42·8	53·2	
8·4		55·8	2·6	
9·5	53	2·8	32·3	
8·1	54	9·8	52·9	8·5 Ga
9·7†		14·9	55·7	
9·6†		58·9	50·7	
9·4	55	12·3	52·4	–
9·0		24·8	26·2	9·0 a
9·2	56	32·3	24·8	–
8·2		49·8	18·0	a
9·2	57	11·8	1·8	a
8·9	58	40·7	37·9	9·0 GWa
9·8		49·2	29·0	
9·8	0	3·8	57·4	
9·8		46·2	21·9	
9·8		55·4	0·5	
9·4	1	32·2	3·9	
9·2	2	6·4	57·8	9·0 a
9·8		22·7	34·9	
9·4†		29·9	52·3	
9·6		53·6	46·5	
9·6	3	30·1	34·8	
9·2	4	43·1	12·6	
9·2	6	12·1	34·4	
9·0		58·2	28·5	9·0 a
8·5	7	46·5	48·6	a
9·2		58·8	29·7	8·5 a
10·0	8	15·4	11·2	
9·2	9	26·0	34·8	–
9·8	10	6·4	44·8	–
10·0		53·8	13·8	
8·2	11	39·9	29·0	8·5 =
7·3		48·9	58·9	7·0 GSbl
10·0		50·6	0·1	
9·4		57·6	21·0	
9·2	12	5·6	25·1	–
9·6		21·6	14·5	
10·0	13	14·1	9·9	
9·6		42·6	7·3	
8·4		56·9	26·7	=
10·0	14	27·4	15·4	
8·2	15	1·9	9·8	9·0 a
	+ 1	6·5	+ 5·9	

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361—420.

mag.	3h. m s	−23° ′	
9·8	15 2·9	9·0	
8·3	13·4	45·7	a
9·6	34·4	31·8	–
10·0	16 29·2	2·3	
8·8	17 13·2	24·3	a
9·6	40·4	54·2	–
9·8	58·9	55·1	–
9·6	18 7·2	19·6	
9·0	9·4	52·4	–
9·8	19 48·5	55·0	
10·0	20 0·0	32·4	
9·4	42·0	20·3	9·0
9·8	58·0	13·8	
6·8	24 8·0	54·6	7·0 GSal
9·2	25 43·0	36·6	=
9·8	53·5	24·9	–
9·8	26 10·5	43·7	
10·0	27 1·0	3·6	
8·0	28 10·7	22·2	8·5 Ga
8·4	47·5	16·7	9·0 a
9·7	29 24·0	36·9	=
8·4	36·5	34·1	b=
8·4	30 35·0	56·0	8·5 GWa
9·6	31 2·5	51·7	9·5 G–
8·4	7·0	47·0	9·0 a
10·0	36·0	21·0	
10·0	32 7·3	6·0	
9·2	33 2·3	29·8	9·0 =
10·0	30·3	58·0	–
9·2	46·3	22·6	
9·4	34 7·3	55·3	–
10·0	25·3	21·5	
9·2	55·8	22·4	
8·5	35 1·8	19·2	b
9·2	21·3	32·7	
9·6	34·3	9·0	
9·2	34·8	11·1	
8·8	52·3	18·8	a
9·7	36 30·6	30·2	a
7·6	41·3	38·8	GWa
9·8	45·8	37·4	
9·2	59·3	23·8	–
8·4	37 22·8	18·5	8·0 Ga
10·0	38 22·8	41·7	
7·6	39 28·3	46·4	8·0 GWal
9·0	46·8	20·1	–
10·0	57·8	23·8	
9·7	40 19·8	23·8	
9·7	20·8	4·0	
9·7	22·3	41·2	
8·5	45·8	28·4	8·5 –
10·0	41 26·3	7·4	
10·0	26·8	35·2	
4·5	28·3	37·4	4·0 GSπβ
9·8	42 18·8	41·8	a
9·7	21·3	59·8	
7·7	38·3	35·0	Ga
10·0	43 6·8	27·5	
9·0	50·8	28·4	9·0 Ga
9·7	44 35·8	1·1	
25pr.	+ 1 5·1	+ 5·0	

421—480.

mag.	3h.–4h. m s	−23° ′	
9·8	44 36·8	31·0	a
8·8	47·8	11·3	8·0 Ga
8·6	45 31·8	17·2	a
9·6	36·8	52·8	–
10·0	59·3	31·0	
9·0	46 5·1	19·9	a
7·7	18·1	18·4	8·0 Gbl
8·6	33·6	4·1	a
8·6	47 24·6	18·9	8·5 Ga
8·6	31·6	16·2	8·5 Ga
10·0	46·6	19·1	
6·8	48 33·0	29·9	GSal
9·8	36·2	48·7	–
10·0	47·6	36·1	
9·9	49 6·4	27·8	
9·8	37·4	17·7	
8·6	50 33·4	54·9	8·5 Ga
9·0	33·4	24·5	a
7·8	49·4	47·3	8·0 Gal
8·4	51 28·9	32·8	Ga
9·6	48·9	21·4	
9·9	54·9	53·0	–
10·0	52 1·9	0·1	a
9·1	53 1·9	9·9	a
9·9	18·7	53·5	
9·9	28·2	24·7	–
8·3	33·7	30·1	8·5 Ga
8·4	54 33·2	32·0	8·0 a
9·8	33·2	34·6	
10·0	37·2	41·9	
9·8	51·2	14·1	
8·2	55·7	31·5	8·0 Ga
9·6	55 1·7	31·1	9·0 G–
10·0	30·5	49·5	a
9·2	41·7	38·2	8·5 a
9·8	45·7	4·4	
9·8	56 19·2	27·1	
9·9	57 6·2	14·3	
10·0	49·2	36·6	
10·0	55·7	9·6	
10·0	58 11·3	57·5	
9·8	53·7	34·8	–
8·4	59 26·2	4·4	
10·0	0 35·7	47·4	a
9·4	37·7	54·8	
8·2	50·7	37·2	8·0 GWa
8·2	51·7	49·2	8·2 Ga
9·6	2 0·1	50·4	9·5
10·1†	11·4	58·6	
8·2	25·6	26·2	8·5 Ga
9·6	45·6	52·8	
9·6	3 50·7	56·6	a
9·8	4 58·4	2·4	
8·4	5 38·1	42·8	8·5 =
9·3	7 24·0	39·6	–
7·2	42·6	26·8	6·5 GSbl
9·6	53·6	22·6	–
10·2	8 25·3	1·6	
9·8	58·8	36·1	
10·2	9 15·9	25·0	
	+ 1 4·4	+ 4·3	

481—540.

mag.	4h. m s	−23° ′	
9·7	9 17·3	47·8	
9·9	41·8	28·6	
9·7	45·8	28·0	
9·9	45·8	21·5	
9·4	10 4·3	40·9	a
9·7	5·8	36·1	
9·7	22·3	4·2	
9·2	23·3	43·9	a
6·2	26·3	33·1	7·0 GSal
9·1	11 0·3	34·8	
8·7	9·8	15·6	
8·0	10·8	50·7	8·0 Ga
10·2	15·8	33·2	
9·0	36·3	11·9	a
9·2	12 23·8	6·0	
10·2	51·9	43·2	
9·4	55·8	36·2	
8·3	56·8	3·9	8·5 Ga
9·2	13 2·8	42·0	
6·0	17·3	16·6	6·5 GScl
9·6	23·8	22·2	
9·9	30·8	50·3	
8·2	55·8	43·1	GW–
10·2	14 8·3	15·6	
8·8	29·3	6·8	8·5 Ga
9·0	15 56·8	2·2	
10·2	16 10·8	22·5	
9·5	18·8	52·2	
8·3	17 2·8	9·0	8·5 G
10·0†	10·3	57·8	
9·6	35·8	14·5	
10·2	39·9	52·9	
8·6	46·8	27·8	–
9·8	18 9·5	2·0	
10·0	21·9	3·4	
8·4	22·8	16·0	9·0 Ga
9·5	39·8	16·3	
8·5	19 11·8	23·4	a
9·8	17·8	22·8	
8·5	20 47·8	24·0	9·5 a
9·6	48·8	58·4	
8·8	21 0·8	18·7	9·5
9·7	11·7	58·7	
7·4	13·6	25·0	8·0 GWal
8·3	33·1	14·4	8·5 Gal
9·2	44·1	4·9	
9·6	49·1	7·2	
9·5	53·1	9·1	
9·0	59·1	49·9	9·5 G=
10·2	22 13·2	46·3	
8·8	14·6	29·3	–
9·4	15·1	3·7	
7·6	55·1	2·8	7·5 Gal
8·2	56·1	22·8	8·5 GWa
9·4	57·6	28·4	
10·2	23 2·6	19·0	
8·2	4·1	43·2	=
9·4	6·1	59·7	
10·2	32·6	9·3	
10·2	24 11·1	12·0	
	+ 1 3·7	+ 3·6	

541—600.

mag.	4h. m s	−23° ′	
9·9	24 12·1	22·5	
10·2	15·1	12·0	
10·2	16·1	19·8	
7·9	18·1	19·6	8·5 Ga
9·5	20·1	3·4	
9·8	23·6	46·8	–
10·2	33·1	48·2	
9·5	42·1	51·0	
8·2	49·6	48·0	8·5 G–
7·7	25 6·1	46·0	8·5 G=
9·2	10·1	53·8	–
8·8	11·1	23·8	9·0 a
9·2	12·6	18·3	
6·7	15·6	17·8	7·0 GSal
8·2	31·1	40·8	8·5 GWbl
10·0	32·1	24·9	
8·8	41·1	45·8	a
10·2	50·1	26·2	
10·2	55·1	10·7	
9·0	57·1	39·0	–
9·6	57·7	1·9	
8·6	26 11·6	19·2	a
10·2	27 26·1	28·3	
10·2	42·6	38·2	
8·8	44·5	36·6	
10·0†	45·4	58·5	
8·4	28 2·2	50·7	=
8·8	6·1	15·7	
10·2	8·6	6·2	
10·2	9·1	11·6	
10·0	20·1	7·7	
9·7	26·1	44·9	
10·2	49·1	6·2	
9·5	29 5·6	41·3	–
9·6	32·9	4·7	
10·3	43·4	50·9	
8·9	30 0·9	32·9	9·0 =
10·1	31·9	50·3	–
10·1	47·4	15·7	
10·2	31 20·9	6·3	
10·0†	55·0	57·4	
10·0	58·9	33·9	–
9·2	59·9	57·7	a
6·8	59·9	18·1	8·0 Gbl
9·8	32 27·9	26·9	
10·3	35·8	57·1	
8·7	42·9	10·3	9·5 a
10·2	57·4	0·3	
9·6	33 29·7	59·9	–
10·2	47·9	34·5	
10·3	34 12·6	57·6	
10·1	26·4	8·9	
10·0	56·4	23·1	
8·4	35 27·5	17·7	8·0
10·0	39·1	59·5	
9·8	55·0	17·9	
8·6	57·5	49·7	9·5 –
10·3	36 12·0	51·7	
7·6	37 5·5	24·9	7·2 GWlπ
10·3	11·2	54·3	
	+ 1 3·4	+ 3·3	

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601—660.

mag.	4h. m s	−23° ′	
6·9	38 2·0	51·9	7·2 GWbl
9·6	25·0	14·1	
9·6	25·5	23·7	a
9·4	39 22·5	11·8	a
8·6	25·5	55·5	8·8
8·7	26·0	26·7	a
9·4	29·5	55·2	9·0 G–
8·6	42·5	4·8	Ga
10·2	51·0	1·7	
9·8	40 7·0	18·2	
10·2	18·5	36·0	
8·2	44·5	30·9	8·5 –
9·8	41 2·0	22·7	
8·7	6·5	44·9	9·0 G–
7·7	17·0	0·4	8·0 Ga
10·1	36·5	2·1	a
9·8	42·0	27·7	
9·2	53·5	54·1	–
10·2	59·5	41·1	
10·1	42 7·5	11·9	
8·4	13·0	10·2	8·5 Ga
8·4	22·0	44·7	9·0 =
7·8	43 30·5	55·1	9·0 Ga
7·4	34·0	29·6	8·0 Gal
9·6	34·5	56·3	
8·0	55·0	16·7	8·0 Gal
10·2	44 10·0	42·6	
9·6	45 13·0	40·5	
8·7	20·0	30·2	W=
9·8	46 2·0	37·2	
10·0	28·5	49·9	
8·8	37·5	52·9	a
10·1	38·0	5·5	
9·8	41·0	28·0	
8·8	45·0	3·9	
8·7	58·3	49·3	
9·8	47 58·7	51·0	
8·6	48 8·3	6·9	
10·0	22·2	18·9	
9·0	23·0	40·9	9·0
9·5	43·0	10·9	
8·4	50·0	42·3	8·2 G=
8·6	49 15·3	42·5	8·0 Ga
8·9	16·2	11·1	
8·6	34·2	43·8	9·0 a
8·8	57·2	36·1	8·2 Ga
10·0	50 1·7	18·9	
10·0	12·1	24·1	
9·9	17·2	25·9	
7·7	23·2	26·8	7·8 GWal
8·4	53·7	15·3	8·5 G
10·0	51 6·2	47·8	
8·4	8·2	50·1	8·2 Ga
8·0	12·2	29·2	8·2 GWal
9·4	27·2	50·6	9·5 a
8·2	56·2	14·2	Ga
9·7	52 3·2	17·7	
10·0	29·7	42·8	
10·0	40·2	52·1	
10·0	53·4	57·8	
25pr.	+1 3·1	+2·7	

661—720.

mag.	4h.–5h. m s	−23° ′	
10·0	53 41·7	3·9	
10·0	51·7	14·4	
10·0	55·2	54·1	
10·0	54 13·9	5·0	
10·0	55 1·5	57·1	
10·0	12·9	39·2	10·0
10·0	20·4	27·4	
10·0	26·9	46·2	
9·3	29·9	55·1	9·5 G–
10·0	52·9	21·0	
10·0	57·9	25·6	
7·3	56 4·9	53·6	9·5 Ga
10·0	10·9	50·0	
10·0	26·9	6·0	
9·0	32·9	44·3	9·5
9·7	57 2·9	54·8	
9·4	5·9	45·6	
10·0	9·9	38·8	
9·4	12·9	56·8	9·5
8·8	14·0	57·9	8·8 a
9·4	14·9	23·0	
10·0	37·4	36·1	
8·9	58 4·4	26·0	
10·0	26·9	12·7	
8·9	45·9	28·5	
8·9	51·4	52·7	–
9·0	59 2·9	6·0	
9·9	5·9	46·6	
10·0	17·9	26·5	
10·0	21·9	23·0	
10·0	27·9	2·0	
9·4	37·9	10·2	
9·4	42·9	9·8	
9·7	42·9	38·8	
8·4	50·9	37·1	9·0 Ga
9·9	0 6·9	25·6	
8·4	15·4	49·1	8·2 GW–
8·1	19·9	28·0	9·0 a
9·7	32·9	3·9	
9·9	41·9	40·7	
10·0	58·9	52·0	
10·0	1 9·9	9·1	
9·2	17·9	7·6	9·5 G
9·6	26·9	31·1	
9·0	31·9	18·1	9·0
8·4	50·4	32·1	a
10·0	57·0	52·2	
9·3	59·2	11·0	9·5
8·7	2 1·7	21·2	9·5 a
9·8	23·2	39·4	
8·8	25·2	26·2	9·0 Ga
10·0	31·7	51·5	
9·3	46·7	4·0	
10·0	3 0·7	31·8	
10·0	10·7	4·0	
10·0	24·6	3·0	
9·3	25·2	8·0	9·5
9·6	29·7	16·9	
9·3	32·7	31·9	b
9·3	36·2	1·4	
	+1 2·8	+2·2	

721—780.

mag.	5h. m s	−23° ′	
9·9	3 45·7	58·7	
9·0	46·2	11·6	
8·0	4 10·7	16·8	8·0 Gb
9·5	32·7	2·8	
10·0	42·2	15·0	
9·6	59·5	30·1	
9·9	5 6·2	40·5	
10·0	7·2	57·0	
8·5	7·2	22·4	a
8·0	39·2	43·8	9·0 Ga
9·4	40·2	16·1	
9·5	43·7	22·6	
9·3	44·7	32·0	10·0
9·9	45·2	8·4	
8·9	54·2	33·8	9·5
9·2	59·7	10·8	
10·0	6 3·7	48·0	
9·2	16·7	10·4	
9·4	18·7	59·4	
10·0	49·5	15·8	
9·5	58·7	42·8	
9·5	7 2·7	29·6	
10·0	24·0	59·9	
9·9	25·7	6·4	
9·9	27·2	3·2	
9·4	45·7	23·3	9·5
9·3	8 39·2	36·0	
9·6	39·7	56·0	
7·8	41·6	8·2	8·5 Gal
9·6	56·7	12·6	
8·6	9 3·6	21·4	
9·2	12·5	9·8	
9·6	14·2	3·6	
9·3	23·7	27·8	
9·9	28·7	49·4	
9·9	48·5	27·3	
10·0	55·7	9·4	
9·7	10 12·2	12·3	
9·2	16·2	36·2	9·5
6·9	29·0	2·3	GSal
9·4	31·7	57·4	
8·9	44·0	12·8	a
10·0	45·1	35·3	
9·3	45·2	53·3	
8·8	55·5	32·8	8·5 –
9·6	55·7	19·7	
9·3	11 0·2	46·8	
7·9	11·4	12·0	Gal
10·0	51·0	50·9	
8·8	12 18·1	58·5	9·2 G
9·1	28·9	18·8	
8·6	45·9	33·8	9·0 a
8·6	13 12·9	21·2	9·5 a
10·0	17·4	32·9	10·0
9·0	18·9	48·8	
9·8	14 10·4	57·2	
10·0	42·6	50·6	
9·8	15 32·4	16·1	
9·6	46·4	18·5	
9·2	16 0·6	51·3	9·5
	+1 2·6	+1·8	

781—840.

mag.	5h. m s	−23° ′	
9·2	16 12·1	54·2	9·5
9·8	20·6	16·0	
9·8	26·1	57·0	9·5 G
8·8	33·6	59·4	9·0 G
8·4	45·6	33·7	a
10·0	17 8·1	15·7	
8·0	27·6	22·7	Gal
10·0	32·5	51·5	
8·1	49·6	11·1	9·0 al
9·2	51·6	44·3	9·5
10·0	18 22·1	35·2	
9·4	44·1	13·8	
10·1†	45·4	59·8	
9·4	19 2·6	56·0	
9·1	22·1	10·7	9·0 a
8·2	20 4·6	17·0	8·5 Ga
9·8	42·1	5·0	
8·8	45·4	1·2	9·0
9·7	21 17·6	36·3	
9·6	21·6	34·5	
8·4	47·6	26·3	a
9·2	22 12·6	0·7	
9·2	36·1	36·4	
9·4	37·1	12·0	9·5
9·6	37·1	6·0	
9·4	24 10·5	43·0	
8·7	25 6·5	37·3	9·5 –
8·7	27·5	9·5	a
8·6	37·0	47·4	9·0
8·7	41·0	36·9	9·5
9·2	26 20·0	31·1	9·0 a
8·8	39·3	2·1	9·0 a
7·8	52·8	31·2	8·0 Ga
9·4	56·8	16·6	
9·8	59·6	55·9	
10·4	27 10·1	39·0	
10·4	17·1	59·0	
10·0	29·6	37·9	
10·0	30·1	37·5	
8·9	41·1	30·1	9·0
10·4	55·1	47·7	
10·2	28 4·6	12·1	
10·4	25·7	17·1	
10·2	33·6	19·9	
9·2	45·3	0·9	9·0 a
10·2	55·1	3·7	
8·2	29 19·1	36·7	8·5 a
10·2	22·1	58·1	
8·6	33·6	32·3	8·5 Ga
10·4	36·6	16·1	
10·0	30 21·1	41·9	
10·4	40·6	10·9	
9·7	31 10·6	40·9	
9·0	13·7	59·7	
10·4	21·1	39·8	
10·2	27·1	58·6	
9·6	31·1	21·2	
8·2	48·1	55·0	9·0 G–
10·2	32 10·6	35·3	
10·4	24·6	22·5	
	+1 2·4	+1·2	

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841—900.

mag.	5h. m	s	−23° ′	
9.2	32	40.6	22.0	
10.2		51.1	16.9	
10.4	33	9.6	36.2	
9.3		28.6	52.8	8.5 Ga
9.8		50.6	34.1	
9.2		53.6	29.6	
10.0		58.8	5.7	
9.6	34	3.6	3.8	
9.8		11.9	0.2	
10.3		19.1	27.9	
10.2		20.6	35.0	
9.7		25.6	39.8	
9.1		26.1	44.9	
9.0		31.8	56.9	a
9.6		33.1	50.5	
9.8		43.6	30.0	
10.2		49.1	0.2	
8.0		55.1	47.4	7.0 Ga
9.2	35	6.6	32.4	
8.6		15.6	6.3	8.5 a
9.8		24.1	35.6	
9.6		39.1	39.1	
10.3	36	19.1	8.6	
10.2		38.9	1.2	
9.1		50.6	24.6	
10.0		50.8	15.4	
8.8		58.1	11.2	
10.0	37	3.1	21.0	
10.4		5.1	24.2	
8.8		31.6	53.3	9.0 –
8.6		36.1	35.5	9.5
10.3		41.1	27.7	
9.8	38	7.8	34.7	
9.8		11.1	53.8	
8.5		28.6	35.8	9.5
8.9		41.6	35.1	9.0
9.4		44.1	55.1	
8.9		45.6	25.2	9.5 a
10.2		48.1	31.4	
9.1		59.6	27.9	
9.8		59.6	12.3	
9.7	39	6.1	51.0	
8.9		6.1	50.0	9.0 G–
9.1		10.6	32.1	
8.8		15.1	40.1	9.0 a
9.6		16.1	17.5	
9.2		35.6	49.7	
9.7		42.6	40.9	
9.2		45.1	22.7	
10.1		51.1	56.3	
8.7	40	5.6	40.9	8.5 GWa
8.2		10.6	53.3	8.0 a
9.8		15.1	49.1	
10.1		26.6	48.7	
8.2		41.6	11.3	7.5 Gbl
9.4		42.1	31.3	
9.4		48.6	46.7	9.5
8.0	41	2.6	41.6	7.0 GSb
8.9		22.1	56.0	
8.7		29.6	30.5	
25pr.	+1	2.3	+0.8	

901—960.

mag.	5h. m	s	−23° ′	
9.1	41	34.1	33.5	
9.7		43.1	28.5	
10.0		47.1	27.7	
8.7		49.1	3.1	
10.2		51.1	9.8	
10.0	42	7.1	18.1	
9.4		12.6	21.1	
9.2		22.6	56.4	9.5
10.4		35.1	8.2	
9.0		45.1	51.4	9.0
10.3		51.0	43.4	
9.7		56.1	21.1	
9.8		59.6	52.1	
10.1	43	2.1	42.1	
8.7		25.6	2.7	9.0
10.0		39.1	2.9	
8.0		50.6	51.1	8.0
9.6		55.1	3.9	
9.6		55.1	37.5	
9.2		56.1	32.1	
9.2	44	0.1	9.1	
9.2		1.9	36.2	
9.3		5.4	40.7	
9.6		7.4	24.3	
10.0		32.9	56.1	
6.1		40.6	0.7	GStlπ
9.9		51.4	23.7	
10.2		59.9	18.6	
10.1	45	0.4	21.2	
10.1		9.4	53.9	
8.5		12.9	16.3	
10.2		23.9	40.7	
8.7		30.4	16.2	
8.9		34.9	25.1	
10.0		41.9	32.9	
9.8		47.4	21.7	
7.8		59.4	27.3	
9.2	46	4.9	12.6	
10.3		8.9	10.3	
9.6		8.9	29.1	
9.6		9.4	38.6	
10.1		14.9	9.7	
10.0		25.4	18.3	
9.3		28.6	2.0	
8.9		47.4	54.8	
10.2		59.9	8.6	
9.7	47	18.6	34.0	
9.0		18.9	18.2	9.0 Ga
9.6		20.9	21.2	
9.8		25.4	57.2	
9.0		28.4	26.6	9.0
8.8		35.1	38.6	a
10.1		38.2	12.2	
10.0		54.9	14.7	
10.0	48	0.9	14.3	
10.0		6.2	55.0	
10.0		7.6	26.3	
9.4		10.2	30.7	
9.7		13.2	33.1	
9.7		14.2	9.3	9.0
	+1	2.3	+0.5	

961—1020.

mag.	5h. m	s	−23° ′	
10.2	48	20.9	22.1	
9.4		24.6	14.8	
9.0		42.9	11.6	9.0 a
10.4	49	5.9	14.3	
10.2		10.1	59.2	
9.5		11.9	45.8	
9.6		17.4	52.3	
10.4		21.9	34.4	
10.5		31.9	15.7	
8.8		44.9	58.6	–
10.5		46.4	3.9	
10.6	50	2.7	39.7	
10.6		7.8	1.0	
10.1		30.9	36.5	
8.4		32.4	45.2	9.5 a
10.2		32.4	16.0	
10.0		42.9	39.3	
8.8		46.2	27.8	a
9.2	51	10.2	23.6	
10.4		12.7	10.8	
9.2		16.7	25.4	9.5 a
7.9		21.7	14.1	7.0 GSb
10.0		25.2	50.6	
10.4		28.7	55.1	
10.5		33.2	7.6	
10.0	52	3.2	26.2	
9.2		5.7	47.2	9.0 a
9.6		26.2	29.4	
9.6		55.7	1.6	
9.9		59.2	55.6	
9.4		59.2	48.4	9.0 a
9.2	53	7.7	13.6	
8.4		10.2	15.2	
9.4		10.2	11.1	
10.2		14.7	33.4	
10.5		21.2	3.8	
10.4		21.6	20.5	
10.5		27.7	45.3	
9.8		36.2	37.8	
9.2		37.2	1.1	
10.0		53.2	55.0	
9.2	54	6.8	0.7	
9.6		8.8	44.5	
10.0		9.2	47.4	
9.6		13.2	29.4	
10.6		15.2	51.3	
10.6		16.2	52.0	
10.6		19.2	0.7	
10.4		20.7	51.8	
8.4		23.2	42.6	a
10.0		27.3	59.8	
10.0		41.4	56.9	
10.3†		45.5	58.2	
10.2		50.2	19.2	
10.4		51.6	28.6	
10.2	55	12.2	21.7	
9.2		33.7	55.7	9.0 G
10.2		49.7	20.3	
9.0		50.7	10.3	a
9.1		57.7	54.0	8.5 =
	+1	2.3	+0.3	

1021—1080.

mag.	5h.–6h. m	s	−23° ′	
9.9	56	1.5	44.3	
10.1†		9.5	57.3	
10.2		10.4	11.9	
10.6		36.5	12.8	
9.5		52.0	56.2	10.0
9.5		58.5	35.9	
9.2	57	3.5	43.0	
10.0		11.5	22.9	
10.5		17.0	26.4	
9.8		22.5	20.4	
8.8		27.0	50.4	9.0 a
9.4		28.5	47.2	
9.6		31.5	44.2	
10.5		35.0	25.7	
10.2		41.4	38.2	
8.2		48.5	13.1	7.5 Gal
9.2	58	2.5	7.5	
10.6		15.7	54.8	
8.7		41.0	8.1	9.2 a
9.2		54.0	50.5	
10.4		54.5	49.2	
10.5		57.5	32.3	
9.2	59	25.0	48.6	
10.6		55.0	10.8	
9.2		56.0	46.4	
9.9	0	9.5	29.9	
9.8		14.5	22.6	
10.5		19.0	57.6	
10.0		19.5	23.3	
9.9		21.0	23.4	
10.0		56.0	18.5	
10.6		56.0	1.9	
9.2	1	6.5	26.4	
9.4		7.5	55.9	
10.0		10.7	2.8	
10.0		12.0	20.0	
5.3		19.0	5.9	GStlπ
10.1†		19.4	55.8	
8.4		27.5	31.6	W=
9.0		31.5	16.8	
8.0		39.0	4.9	Gatlπ
10.0		40.0	25.3	
10.0		41.5	4.8	
8.8		57.5	29.9	9.0 b
9.9	2	4.5	47.4	
9.9		10.5	39.8	
10.5		22.0	41.2	
9.4		29.5	3.2	
9.1		45.5	36.2	8.8 Ga
10.6	3	5.5	57.6	
10.2		10.5	9.8	
10.2		15.5	39.9	
8.7		17.0	59 7	
10.6		25.0	9.1	
9.5		27.5	55.4	
9.8		27.5	5.9	
8.4		37.0	45.5	8.5 a
9.9		38.5	29.0	
8.2		41.0	23.4	8.5
9.8		50.0	20.9	
	+1	2.3	0.0	

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1081—1140.

mag.	6h. m	s	−23° ′	
10·6	4	5·5	7·2	
8·6		15·0	32·7	8·8 G−
9·5		15·0	50·2	9·0 G
9·6		28·5	17·3	
10·6		32·0	42·4	
10·5		32·5	36·1	
9·8		46·0	39·9	
10·6		48·9	58·7	
10·6		50·8	52·8	
8·9	5	1·5	43·3	a
9·2		3·5	45·9	
10·2		5·5	22·8	
8·7		19·0	10·8	
10·0		19·5	16·3	
9·2		21·0	43·0	
8·6		21·0	10·3	
10·3†		29·1	58·9	
10·5		29·1	11·7	
9·5		35·5	21·6	
9·4		38·5	38·8	9·2 a
10·6		40·0	1·7	
10·2		45·0	54·2	
10·0		51·5	50·0	
7·6	6	20·5	45·4	8·0 Ga
10·6		45·5	52·9	
10·0		46·5	34·6	
10·5		47·5	30·2	
10·5		49·7	35·4	
10·6		52·7	44·7	
10·0	7	4·3	59·6	
8·9		19·2	26·4	8·5 G−
9·2		22·6	6·1	
10·6		29·2	13·5	
9·4		29·9	33·3	
8·8		32·2	33·0	8·5 =
8·8		37·2	19·5	
9·4		42·2	13·7	
8·8		56·9	57·7	9·0 G
10·5		57·2	31·7	
9·6	8	3·0	2·2	
9·4		21·0	0·2	a
9·6		25·0	28·9	
10·1		25·6	45·6	
8·4		30·0	18·9	Ga
7·5		35·6	49·8	7·0 GSb≡
9·4		38·0	36·7	a
10·2	9	6·5	38·1	
8·2		24·0	41·7	8·0 a
9·5		34·0	11·6	
10·2		38·0	39·6	
9·8		42·0	45·1	9·5
9·2	10	0·0	4·3	
8·9		14·5	23·9	9·5
9·8		17·0	42·4	
9·8		19·0	12·7	
10·2		40·6	59·1	
9·8		42·0	46·8	
8·8		46·0	18·8	9·0
9·6		48·0	27·2	
9·2		48·0	40·9	
25pr.	+1	2·3	−0·3	

1141—1200.

mag.	6h. m	s	−23° ′	
8·9	10	48·5	17·5	8·5
8·4		48·5	7·0	
10·2		50·0	7·6	
10·2		53·0	51·3	
9·0	11	18·0	43·9	
10·2		33·0	23·9	
9·1		41·0	3·6	9·5
9·2		43·0	51·7	
9·8		46·0	6·9	
9·6		48·0	24·9	
9·8		57·0	51·4	
9·3		58·5	20·8	
8·7	12	3·0	54·5	9·5 −
10·0		12·0	49·2	
9·2		20·0	54·2	
8·3		22·0	28·9	8·5 G
9·6		36·5	30·0	
9·0		37·0	10·8	
10·1		45·5	4·1	
9·0		51·5	7·4	
9·8		52·0	19·0	
9·8	13	20·0	8·0	
9·8		23·0	22·4	
10·2		33·0	15·2	
9·2		50·0	19·3	
8·4		52·0	28·9	Gb
10·0		54·0	29·9	
9·8		54·0	40·0	
9·6		56·0	49·5	
10·2	14	9·0	7·0	
9·6		19·0	28·9	
9·2		24·0	46·2	
10·2		37·5	5·0	
10·2		40·0	22·9	
9·2		40·5	42·4	
10·1		42·0	23·1	
8·6		52·0	43·4	=
8·0		52·5	3·2	Ga
9·2		54·5	2·5	
10·2		58·5	42·9	
9·6	15	0·0	29·7	
9·2		6·0	39·6	
10·1		8·0	40·0	
9·8		22·0	32·2	
8·1		23·5	34·8	GSa
9·5		25·0	50·7	
10·0		34·0	59·9	
10·2		37·5	47·1	
9·2		42·0	31·4	
10·2		43·0	9·2	
9·8	16	1·0	31·3	
10·1		6·0	48·8	
10·1		14·0	13·6	
10·2		16·0	42·4	
9·8		23·5	38·6	
10·2		24·0	39·9	
9·1		28·0	37·9	
10·0		33·0	30·1	
8·9		37·0	5·6	
9·2		39·0	30·2	
	+1	2·3	−0·5	

1201—1260.

mag.	6h. m	s	−23° ′	
9·8	16	40·0	6·6	
9·0		47·0	20·9	
9·0		47·0	52·4	
9·8		50·5	10·7	
10·2		55·0	23·9	
8·8		56·5	14·1	
10·2	17	1·0	51·7	
9·4		10·0	36·6	
10·2		10·0	48·9	
8·2		13·0	31·8	7·5 Ga
10·2		16·0	32·6	
10·2		16·0	47·8	
8·8		33·2	39·3	9·5 G
8·8		41·8	58·7	
10·1		42·3	25·9	
9·8		42·3	24·2	
9·8		46·9	33·5	
10·1	18	2·8	50·1	
10·2		2·8	13·9	
9·6		16·8	40·9	
10·2		17·9	28·6	
9·2		21·8	41·2	
8·4		29·8	8·5	8·0 al
9·2		29·8	10·1	9·0 a
9·8		32·8	29·3	
10·2		42·9	9·3	
10·2		49·3	29·3	
10·0†	19	10·0	58·8	
8·9		11·8	19·2	
9·6		15·8	48·6	G
10·2		23·8	50·4	
10·1		27·6	58·6	
9·2		27·8	42·4	
9·8		38·8	9·1	
10·0		43·8	13·3	
10·2		45·8	21·5	
9·3		46·8	23·6	
9·2		56·3	12·0	
10·1		57·8	44·6	
9·6	20	14·8	29·2	
9·5		16·9	16·5	
10·0		17·8	9·9	
9·0		25·8	22·0	
9·2		27·8	17·2	
9·8		27·8	41·0	
9·1		33·3	50·5	
9·3		43·8	3·1	
9·8		56·3	9·2	
8·8		59·8	48·1	−
10·0	21	25·3	12·4	
9·2		28·3	49·8	
10·1		28·3	14·5	
10·2		29·7	57·9	
9·5		36·8	16·4	
10·2		36·8	22·0	
9·8		37·8	25·6	
9·3		37·8	10·7	
9·8		40·5	56·4	
9·8		40·8	4·7	
10·2		44·7	11·9	
	+1	2·3	−0·7	

1261—1320.

mag.	6h. m	s	−23° ′	
9·8	21	47·3	15·5	
10·0		50·3	52·7	
9·5		55·3	18·1	
9·8		57·8	49·3	
9·8	22	8·3	9·5	
9·5		8·8	19·3	
8·8		11·8	25·4	
9·8		23·3	18·8	
9·1		31·8	43·3	9·5
8·4		32·8	42·9	8·8 ≡
9·8	23	5·8	32·2	
9·6		16·8	27·5	
9·4		23·8	31·1	
10·0		23·8	18·9	
10·2		46·3	40·0	
9·3		49·8	9·4	
9·8		49·8	29·1	
10·2		50·3	35·9	
10·1		52·8	51·6	
9·5		57·3	54·6	9·0 a
9·5	24	8·3	44·5	
8·5		14·8	54·1	8·5 a
10·1		25·8	12·5	
10·2		31·8	51·1	
10·2		32·8	52·2	
10·2		34·8	37·9	
10·0		42·3	3·5	
10·0		50·3	17·1	
9·8	25	1·8	5·7	
10·2		5·3	14·5	
10·0		5·8	14·7	
10·2		22·7	42·8	
10·0		26·8	24·9	
10·1		31·8	48·1	
10·1		39·8	31·9	
9·2		51·8	17·0	
10·2	26	0·6	59·3	
9·2		1·1	47·3	9·0 =
10·1		2·1	0·9	
9·4		5·6	11·7	
10·2		11·0	0·7	
9·8		13·1	17·3	
9·2		14·6	31·5	
9·8		21·6	22·9	
9·8		24·1	22·9	
9·0		27·6	36·7	≡
10·1		34·6	25·3	
9·5		35·1	54·3	9·5
10·2		38·6	3·3	
9·2		39·6	8·5	
9·3		39·6	15·3	
4·9		40·1	19·7	GSl$\pi\beta$
10·1		57·6	22·7	
9·0	27	2·6	19·5	
9·6		4·6	31·7	
9·6		5·1	14·1	
9·6		12·6	34·1	
9·3		13·6	28·1	a
9·8		15·6	20·3	
9·2		21·6	5·7	
	+1	2·3	−0·9	

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1321—1380.

mag.	6h. m	s	—23° ′	
8·5	27	24·4	32·4	a
10·2		31·6	42·9	
9·4		33·1	21·3	
9·3		38·4	26·9	
10·2		42·6	36·0	
9·4		46·6	28·3	
8·2	28	5·4	39·5	Ga
10·2		11·6	20·5	
9·4		11·8	23·7	
10·4		11·9	3·0	
9·4		21·9	1·0	a
10·4		24·7	10·9	
10·4		47·6	46·2	
10·0		49·1	38·2	
10·4		49·1	47·2	
10·4	29	2·6	11·6	
8·7		11·6	46·7	9·0 ≡
10·2		12·1	41·6	
10·4		17·1	12·0	
8·6		39·6	23·2	9·0 –
9·8	30	2·1	41·9	
10·1		6·6	50·8	
9·2		37·6	16·2	
9·5		47·9	0·6	
10·2		48·4	59·0	
10·0		51·6	51·2	
10·4	31	1·1	16·9	
9·5		4·1	13·4	
10·0		9·1	17·6	
10·1		12·1	50·4	
9·5		28·1	12·4	
9·6		34·1	13·5	
9·8		45·1	19·5	
10·2		49·1	6·9	
9·2	32	1·1	43·3	
9·4		1·6	12·5	a
9·2		7·6	15·3	a
9·8		8·1	34·0	
10·4		8·5	42·7	
10·1		20·1	46·6	
9·8		24·5	57·6	
9·2		27·1	2·0	
10·4		30·6	28·6	
10·4		33·6	50·9	
10·4		35·5	26·1	
10·0		54·6	2·3	
9·0		56·6	32·7	9·0 a
10·4	33	0·5	25·6	
10·4		2·1	45·2	
10·3		2·6	32·1	
9·3		6·6	13·3	a
10·4		7·6	15·8	
7·7		10·6	28·3	7·0 GSa
10·4		11·1	43·6	
9·5		12·1	25·7	9·5
9·6		12·1	8·0	
10·2		19·1	58·8	
10·0		23·1	28·2	
10·3		42·5	57·0	
10·4		44·5	26·3	
25pr.	+ 1	2·4	— 1·1	

1381—1440.

mag.	6h. m	s	—23° ′	
10·2	33	48·5	18·2	
10·1		53·6	26·1	
9·0	34	0·6	4·3	9·0 a
9·4		7·1	32·5	
8·7		8·6	42·1	8·5 –
10·4		10·1	56·2	
9·8		12·1	48·7	
9·2		13·1	0·1	
9·4		16·6	50·1	
6·5		24·6	35·0	6·5 GSal
10·0		26·1	41·4	
10·0		29·6	51·0	
10·3		43·1	55·1	
7·8		43·6	35·4	8·0 GWa
9·0		49·1	31·9	8·5 a
10·4		50·1	4·0	
9·4		52·6	46·7	
9·5		55·6	25·9	
8·3		56·1	43·2	8·5
9·0		58·6	48·9	
9·5	35	1·6	33·2	
9·0		6·1	11·2	Ga
9·5		10·6	44·6	9·0
10·4		12·3	25·5	
9·8		13·6	33·6	
8·7		17·1	3·4	
10·3		18·1	22·4	
10·4		22·6	19·2	
10·4		28·7	8·9	a
10·4		38·1	22·0	
9·4		43·6	55·4	
10·3		47·6	22·4	
10·2		49·1	44·8	
9·8	36	15·6	38·8	
10·1		22·1	55·7	
10·2		38·6	42·8	
10·1		48·1	27·1	
9·4		54·6	6·4	
8·8	37	13·1	51·2	=
7·6		13·6	6·8	GSa
8·9		18·1	13·8	GWa
9·8		24·1	40·6	
10·3		25·1	33·0	
10·4		37·6	56·2	
9·6		39·6	15·3	
10·2		41·6	3·1	
9·3		43·1	43·4	=
10·1		46·1	36·4	
10·2		46·1	14·0	
10·2		46·3	7·7	
8·8		47·6	16·7	a
9·8		50·1	36·6	
10·0		55·6	36·6	
10·4		55·6	17·4	
10·2	38	6·1	2·7	
10·4		23·3	43·0	
10·3		29·6	47·1	
10·0		32·1	7·2	
8·8		32·6	39·2	a
10·2		36·3	58·3	
	+ 1	2·5	— 1·3	

1441—1500.

mag.	6h. m	s	—23° ′	
9·8	38	46·1	41·8	
9·0		54·1	17·6	9·0 a
10·3		55·1	40·5	
10·4		56·6	18·5	
10·0		59·1	37·6	
10·3	39	0·1	43·2	
8·9		0·6	14·7	9·2 a
10·2		2·1	47·7	
10·3		4·6	56·8	
9·6		5·6	41·6	
10·2		6·1	16·5	
9·8		7·1	30·5	
9·0		9·1	4·9	8·8 Ga
9·6		15·6	38·4	
10·0		16·1	5·1	
9·0		26·1	57·6	9·0
9·8		29·6	44·9	
10·0		37·1	57·5	9·5
10·0		39·6	59·3	
8·6		41·6	43·9	Ga
10·4		48·6	51·1	
10·4		56·6	48·3	
10·4		58·5	40·1	
7·6	40	11·1	19·9	6·5 GSal
9·3		12·6	13·4	
8·8		17·6	27·0	8·2 G
10·3		33·1	26·3	
9·0		38·6	19·9	9·2
8·5		46·1	8·2	Ga
10·2		54·1	23·1	
8·0	41	12·1	1·2	8·2 Gal
10·4		20·6	12·0	
10·2		22·0	25·0	
10·4		46·6	42·0	
10·4		48·1	22·3	
9·8	42	1·6	44·5	
10·0		2·6	13·3	
10·4		5·6	14·7	
10·4		7·6	52·3	
10·2		10·1	52·6	
9·6		10·6	2·1	
10·2		11·6	53·2	
8·6		23·1	43·3	9·5 =
9·2		24·4	56·2	8·7 G–
9·8		26·1	21·9	
10·4		30·6	35·3	
9·0		42·1	5·8	
10·4		44·6	0·9	
9·3		49·1	20·7	9·0
9·4		49·6	54·9	
10·4		51·6	3·5	
10·1		53·1	22·5	
10·1		57·1	4·7	
9·4		59·1	8·3	
10·4		59·1	31·3	
10·4	43	0·1	31·7	
10·0		7·1	36·9	
10·4		9·1	41·0	
9·8		12·1	22·9	
9·3		13·1	39·7	
	+ 1	2·5	— 1·5	

1501—1560.

mag.	6h. m	s	—23° ′	
10·4	43	15·1	20·2	
9·5		22·1	41·2	
9·8		29·6	16·1	
9·4		30·1	9·9	
8·3		33·6	3·7	7·8 G
10·2		36·1	10·9	
9·8		44·6	51·7	
9·6		59·6	47·3	
9·8	44	12·1	27·0	
9·3		14·1	23·7	
9·8		14·1	18·9	
10·4		21·6	11·4	
9·2		24·1	46·5	
9·4		26·1	5·1	
8·3		27·1	59·7	8·5 GWa
10·4		27·6	17·9	
9·2		30·6	2·8	
8·5		31·1	55·9	8·7 a
7·0		33·1	56·1	6·8 GSa
10·3		38·6	26·7	
10·1		39·1	26·5	
10·4		40·7	47·1	
10·1		41·2	18·1	
10·0	45	3·7	26·8	
9·8		6·2	48·5	
9·6		12·2	41·7	
9·4		14·7	32·7	
9·0		20·7	30·9	8·5 a
10·0		30·7	8·4	
10·4		33·7	43·6	
9·4		43·7	26·4	
10·2		58·8	0·0	
9·0	46	3·7	43·3	
8·9		12·7	29·9	8·5 Ga
9·5		16·2	33·7	
8·9		19·2	25·0	
10·2		22·2	41·1	
7·5		28·7	39·3	8·0 Ga
9·8		31·2	17·5	
9·8		31·7	28·1	
9·5		37·7	50·3	9·0
9·4		41·2	41·5	
10·3		47·2	12·0	
9·6		48·7	49·1	
10·3		48·7	29·9	
10·1		52·2	20·7	
10·3		54·7	38·9	
9·8	47	6·0	2·0	
9·4		7·7	19·3	
10·0		8·7	47·6	
10·2		10·6	29·9	
10·4		13·6	41·5	
8·9		19·1	58·7	
8·8		21·7	27·8	9·0 a
10·4		22·2	39·7	
9·8		26·7	13·3	
9·8		28·7	48·7	
9·3		33·5	5·9	
10·4		41·1	25·9	
9·8		42·0	36·6	
	+ 1	2·6	— 1·7	

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1561—1620.

mag.	6h. m s	−23° ′	
9·0	47 43·7	43·9	9·0 a
9·2	46·4	51·7	
9·0	51·0	48·6	9·0
10·2	51·3	8·3	
10·0	52·0	24·9	
9·2	52·7	33·6	
9·4	53·0	9·2	9·5
10·4	55·2	56·9	
10·2	48 1·2	18·8	
10·4	3·2	12·8	
7·8	3·7	57·9	a
8·8	4·7	37·4	
9·5	5·2	17·6	
9·4	7·0	33·9	
9·4	7·4	27·5	
8·5	16·2	57·5	b
10·4	22·4	29·4	
10·0	26·9	50·8	
10·4	27·1	27·6	
9·0	31·7	44·4	
9·4	31·8	21·9	
9·9	31·9	26·6	
9·4	35·2	40·3	
9·4	36·2	21·0	
9·8	40·2	56·4	
10·4	41·2	57·5	
9·4	46·2	33·1	
7·4	49 1·2	46·2	GSb=l
10·4	3·4	0·9	
9·4	10·2	27·8	
9·7	12·2	38·8	
10·3	16·2	10·9	
9·8	18·2	22·0	
9·8	20·2	32·0	
9·8	21·2	54·8	
9·4	29·7	47·4	
9·7	30·4	2·7	a
9·4	33·2	25·7	
10·3	34·7	21·6	
10·4	41·9	14·1	
9·0	42·9	27·5	
10·4	43·4	32·9	
10·4	46·9	23·0	
10·0	52·5	56·7	
9·5	59·9	55·0	
8·8	50 4·9	22·7	
10·4	10·9	30·5	
10·4	15·4	7·7	
10·4	20·4	20·1	
10·4	23·9	1·5	
9·8	28·9	34·8	
9·3	36·4	48·4	
10·3	40·9	4·1	
10·2	42·4	7·3	
9·3	45·9	52·0	
10·0	46·4	27·1	
9·4	54·9	45·3	10·0
9·9	55·4	36·9	
9·4	58·9	50·7	
10·4	59·8	32·7	
25pr.	+1 2·6	−1·8	

1621—1680.

mag.	6h. m s	−23° ′	
10·0	51 0·2	57·9	
9·3	8·9	48·2	
9·4	18·4	22·4	
10·2	18·9	20·8	
9·4	19·4	7·5	
10·4	23·4	11·5	
10·2	30·9	48·7	
9·6	33·4	48·1	9·5 −
9·5	35·9	7·9	
10·3	36·9	34·1	
9·3	50·9	36·4	
8·4	51·4	35·2	≥
9·3	51·4	31·5	
9·4	51·9	15·9	
9·2	52·9	24·3	
8·9	52 6·7	20·1	9·0 −
9·6	13·7	50·7	
9·2	16·2	50·1	
9·3	17·0	2·6	9·5
9·4	25·2	48·7	
8·3	28·7	17·5	8·5
9·2	30·2	28·8	
10·4	31·7	9·2	
10·4	32·2	34·3	
10·4	33·2	7·7	
9·4	33·2	19·0	
10·2	37·2	53·3	
9·9	38·2	56·4	
9·4	40·7	28·3	
10·4	43·2	49·0	
9·1	45·2	43·1	
9·4	52·7	50·0	
9·4	54·5	57·8	
9·8	55·7	24·6	
9·5	53 1·7	53·9	
9·8	7·7	14·3	
9·4	10·7	36·6	
10·4	12·7	29·8	
10·3	19·2	55·7	
9·4	20·2	56·0	
9·0	21·7	8·2	
9·8	21·7	10·7	
7·9	22·7	42·8	7·5 GSb≡
9·2	27·2	6·8	
10·2	27·7	13·7	
10·4	35·2	24·8	
9·7	37·7	35·1	
9·2	43·2	50·1	9·3
9·8	47·2	21·0	
9·7	48·0	57·0	
10·4	49·2	0·1	
9·2	52·2	38·9	
9·0	54 1·2	18·5	
10·3	2·7	41·9	
9·4	4·7	28·2	
9·1	6·2	49·7	9·5
9·2	6·2	46·6	
10·4	8·2	50·5	
9·8	11·7	33·3	
9·4	12·7	0·4	
	+1 2·7	−1·9	

1681—1740.

mag.	6h. m s	−23° ′	
10·3	54 13·2	47·2	
9·4	16·2	14·9	
10·4	16·2	19·3	
9·2	18·2	24·0	
10·4	22·7	10·7	
9·8	26·2	47·8	
10·2	33·7	24·7	
9·4	33·7	16·0	
9·3	37·2	11·8	
9·0	44·2	47·3	9·5
10·3	46·7	10·8	
8·5	51·7	42·8	9·0 W≡
9·8	55·2	31·9	
10·2	56·2	19·0	
10·4	59·7	17·8	
9·4	55 6·7	8·5	
9·3	12·7	7·0	
10·4	12·9	11·5	
10·4	15·2	35·0	
10·2	18·2	10·1	
8·6	22·7	40·9	9·5 =
9·3	26·2	13·3	
10·4	30·9	53·3	
9·7	32·2	57·5	
9·9	33·2	12·1	
9·2	33·7	46·0	
8·5	37·2	25·2	9·5
8·8	39·7	32·3	9·5
10·3	41·7	4·6	
10·4	42·2	59·1	
10·4	50·2	44·3	
9·1	51·7	19·0	
10·4	56 4·7	52·6	
9·5	5·7	3·0	
10·2	5·9	30·0	
9·0	7·4	1·0	a
10·4	13·2	16·2	
10·0	15·7	2·2	
8·5	25·7	19·3	7·5 Gal
10·4	25·9	42·1	
8·6	28·7	21·3	9·0 −
10·3	28·7	21·9	
10·3	28·9	8·8	
9·1	32·7	14·7	
8·1	33·2	16·9	8·5 Ga
8·6	38·7	7·9	8·5 bl
8·9	45·7	24·1	
10·4	46·2	44·2	
10·4	50·7	5·5	
10·4	51·2	31·6	
8·5	54·7	19·2	8·0 Gal
9·4	57 10·7	54·7	
10·3	11·7	23·9	
10·4	14·7	13·3	
8·9	17·7	7·5	9·5 a
10·4	23·2	28·3	
10·4	25·7	47·5	
10·0	27·2	33·0	
10·4	28·2	15·9	
10·2	33·2	43·4	
	+1 2·7	−2·0	

1741—1800.

mag.	6h.–7h. m s	−23° ′	
9·8	57 34·7	16·5	
9·8	35·3	56·4	
9·3	37·2	29·0	G
9·8	37·2	14·3	
9·9	45·7	33·3	
9·8	48·2	54·0	
4·0	48·2	39·2	3·0 GSπβ
9·3	49·7	0·2	
9·5	50·2	42·1	
10·4	55·7	33·3	
10·4	58 1·9	48·0	
9·9	2·7	34·8	
10·4	7·4	54·3	
8·9	9·7	28·3	8·5 Ga
9·4	14·3	23·2	a
9·2	14·8	15·7	
9·4	14·8	24·3	
10·4	17·3	59·7	
8·9	28·8	39·2	
10·0	29·0	59·2	
9·2	31·8	59·4	
10·2	33·8	55·5	
10·0	34·8	54·6	
10·4	36·3	21·9	
10·4	37·3	38·4	
10·4	39·3	39·6	
10·4	41·9	56·1	
10·3	43·8	14·0	
9·5	51·8	48·0	
9·4	57·1	2·3	9·5 a
9·0	58·8	3·1	8·5 a
10·4	59 1·8	46·1	
9·4	8·8	23·2	
10·4	19·8	8·7	
9·6	22·8	21·5	
10·4	23·8	59·2	
10·3	23·8	31·2	
9·4	25·3	32·9	
9·4	25·8	31·9	
10·2	29·8	43·7	
10·4	31·3	34·9	
9·7	32·3	35·9	
10·4	35·8	30·0	
9·6	43·3	15·0	
9·8	43·3	18·0	
10·4	47·3	57·7	
9·8	49·3	21·3	
9·5	50·3	16·1	
9·8	50·8	22·2	
9·7	51·3	45·0	
9·9	57·3	39·9	
10·0	0 3·8	26·2	
10·2	12·6	36·2	
10·0	12·8	50·3	
9·0	16·6	1·6	9·0 a
9·7	17·8	40·2	
10·4	19·8	28·8	
9·8	23·8	26·7	
10·2	26·8	11·0	
10·4	42·8	56·0	
	+1 2·8	−2·1	

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1801—1860.

mag.	7h. m	s	−23° ′	
10·4	0	46·8	48·7	
10·2		48·8	33·3	
10·4		51·8	49·5	
8·5		53·3	10·2	9·5
9·4		56·8	9·5	
10·4	1	2·3	52·9	
8·4		8·3	14·1	8·0 Gbl
10·0		10·3	6·8	
9·4		16·3	33·8	
10·4		16·5	20·0	
10·3		17·5	52·5	
10·2		17·8	40·3	
10·2		21·8	12·3	
10·2		24·3	41·3	
10·3		25·5	5·1	
10·4		28·8	15·6	
9·2		33·1	1·7	
9·1		36·3	27·3	
9·9		39·8	51·6	
10·4		52·1	2·5	
10·0		55·3	35·3	
10·2		56·3	14·2	
10·4		56·8	3·7	
9·9		59·8	15·5	
9·5		59·8	19·5	
10·3	2	5·8	39·0	
6·4		8·8	38·7	6·5 GSal
10·3		10·3	58·4	
10·4		11·8	41·1	
9·1		15·8	46·4	9·5 Ga
9·7		18·8	13·0	
9·9		22·8	40·4	
10·0		23·3	14·0	
9·6		24·8	38·9	
9·8		40·8	20·1	
10·4		43·3	12·6	
10·4		44·5	37·5	
10·4		45·8	31·4	
10·0		46·3	29·5	
10·2		47·8	11·7	
10·4		49·0	56·8	
9·7		51·3	8·3	
9·7		55·8	41·7	
9·5		58·3	23·2	
8·6	3	0·8	14·1	8·5
10·2		9·3	57·0	
9·9		9·8	53·2	
9·4		10·3	38·6	
8·4		13·8	52·8	8·8 GSa
9·4		16·3	42·0	
10·4		17·8	54·2	
9·4		20·8	12·8	
10·4		23·5	57·4	
9·8		29·3	17·6	
9·3		29·3	31·9	a
8·2		30·8	34·6	Ga
9·2		32·3	37·9	
7·4		36·3	50·6	7·2 GSa
9·4		38·8	44·1	
9·3		40·8	9·8	9·5
25pr.	+1	2·8	−2·2	

1861—1920.

mag.	7h. m	s	−23° ′	
10·3	3	43·8	47·0	
9·4		46·3	9·4	
10·4		46·3	14·5	
9·4		47·8	42·9	
9·4		56·3	14·0	
9·9	4	1·8	35·5	
10·2		3·3	12·6	
10·0		5·8	3·6	
9·4		9·8	6·7	
9·4		9·8	40·0	
10·0		11·3	28·4	
9·8		11·3	54·1	
10·0		12·3	10·0	
9·8		15·8	55·2	
9·0		18·8	59·8	
10·4		18·8	41·0	
9·5		22·3	32·9	
10·4		22·8	48·2	
10·4		23·8	0·1	
10·0		28·3	55·2	
8·2		30·8	44·4	9·0 GWa
9·2		33·3	31·2	
10·4		35·5	48·2	
9·0		36·3	0·7	9·0
10·3		38·5	39·2	
9·6		42·5	49·3	
10·0		56·5	25·8	
10·2	5	1·0	18·2	
9·8		2·5	20·4	
10·2		12·0	16·2	
9·7		19·0	46·4	
10·2		27·5	51·9	
9·0		27·7	2·9	
10·2		31·2	2·4	
10·2		31·5	37·2	
10·4		33·5	50·5	
8·9		43·0	53·5	10·0
9·4		45·5	11·2	
9·4		46·5	47·6	
9·6		52·5	51·1	
10·4		54·0	15·1	
9·4		56·5	16·7	
9·8		57·0	26·6	
10·0		58·5	22·9	
8·7		58·5	20·4	9·5 a
9·4		58·5	29·5	
10·3	6	1·5	27·5	
9·8		3·0	40·9	
10·2		8·5	11·6	
10·0		8·5	5·4	
9·8		9·5	0·8	
9·3		16·5	27·5	9·5
8·6		20·0	45·8	Wa
9·3		20·5	55·8	
9·8		23·5	19·2	
9·7		25·0	11·5	
9·2		30·8	0·4	
10·2		34·5	25·4	
9·4		37·0	15·1	
9·4		38·0	37·3	9·5 a
	+1	2·9	−2·3	

1921—1980.

mag.	7h. m	s	−23° ′	
9·8	6	40·0	30·3	
10·3		41·0	40·6	
9·8		41·0	16·2	
10·0		41·5	32·5	
10·4		43·9	40·6	
9·4		44·9	23·6	
9·5		46·4	7·0	
10·0		49·4	13·5	
9·5		49·4	9·2	
9·7		50·4	4·6	
9·0		56·9	9·8	
8·8		59·9	36·6	9·0 Ga
9·8	7	1·4	7·8	
10·4		9·9	18·1	
9·2		10·9	30·2	
10·4		13·4	41·6	
9·1		16·9	39·1	a
10·4		17·9	5·9	
9·8		17·9	5·2	
10·2		22·4	30·5	
10·4		26·0	36·9	
10·3		27·4	7·7	
9·6		30·6	48·0	
10·4		37·4	29·2	
10·4		45·8	43·1	
9·9		46·9	38·6	a
10·2	8	1·5	57·9	
10·0		4·4	38·2	
10·0		4·4	3·2	
9·0		4·9	58·9	9·0 —
9·4		5·9	48·8	
10·2		6·9	1·0	
10·4		10·0	0·8	
10·4		12·6	20·2	
9·7		20·9	43·7	
10·4		22·4	24·9	
10·0		24·0	12·4	
10·4		29·7	47·7	
10·4		34·2	17·2	
9·5		40·0	12·2	
10·3		41·0	13·4	
9·5		42·5	21·5	
10·2		43·0	32·5	
10·3		44·7	53·6	
10·0		47·7	13·5	
8·3		47·7	28·2	8·5 Ga
10·4		49·2	31·0	
10·1		49·7	26·5	
10·3		50·7	37·2	
10·4		54·7	46·3	
10·2	9	6·7	43·6	
9·6		8·2	42·9	
10·2		8·2	25·7	
9·4		10·7	14·7	
10·1		12·7	44·6	
10·3		20·7	3·0	
8·7		26·7	43·9	9·0 a
7·6		26·7	16·4	8·0 GSa
9·6		31·0	2·2	
10·1		37·2	9·4	
	+1	3·0	−2·4	

1981—2040.

mag.	7h. m	s	−23° ′	
10·3	9	37·7	41·6	
10·2		42·5	32·2	
10·4		42·5	5·2	
9·3		50·7	59·3	
10·4		51·7	58·6	
9·4		54·7	18·7	9·5 Ga
9·0	10	5·2	36·9	9·5
10·3		17·7	12·4	
8·6		18·7	29·3	8·5 GWa
9·4		20·2	16·3	
10·3		20·7	49·3	
10·3		21·7	37·4	
10·3		22·7	21·3	
10·0		23·7	21·2	
10·4		25·2	32·8	
9·4		30·7	50·3	
10·4		30·7	54·2	
10·4		32·7	24·6	
7·0		32·7	31·3	7·0 GSa
10·0		32·9	42·2	
10·4		36·7	52·2	
9·8		38·9	22·8	
10·2		43·2	12·6	
10·2		46·7	43·1	
9·2		50·7	55·4	
9·8		52·2	13·9	
9·6	11	2·3	58·4	
9·3		3·2	50·9	
10·3		7·7	7·4	
9·0		16·7	48·4	a
10·3		20·7	7·6	
7·6		20·7	5·7	5·0 Gbl
7·8		21·2	36·4	8·5 Ga
9·4		21·7	47·9	
7·5		21·7	5·5	7·0 Gbl
9·2		25·7	45·9	9·5 a
9·9		29·7	11·2	
9·4		30·7	20·1	
9·3		35·7	52·4	9·2 b
9·4		41·7	5·8	
9·7		54·2	44·3	
9·3		54·7	7·6	
9·1		55·2	37·8	
10·0		56·2	56·1	
10·1		57·2	14·8	
10·0		58·7	44·9	
10·4	12	1·1	52·6	
9·4		1·7	39·5	
10·1		10·2	8·2	
10·4		11·7	31·7	
9·7		13·4	0·6	
9·6		21·7	36·1	
9·4		21·7	9·6	
10·0		22·1	5·1	
10·4		24·7	39·7	
9·9		27·2	13·2	
9·8		41·9	59·1	
10·3		48·7	50·5	
9·7		51·7	12·2	
10·3		57·7	56·0	
	+1	3·0	−2·5	

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2041—2100.

mag.	7^h m	s	−23° ′	
9·4	13	0·7	40·3	
9·8		2·2	24·0	
9·9		4·7	53·7	
10·1		8·7	49·2	
10·1		9·2	41·0	
9·4		10·2	55·7	
10·0		10·4	0·6	
8·6		11·2	19·8	8·5
9·4		12·7	32·3	
9·6		27·7	33·0	
10·0		30·7	50·9	
10·2		30·7	55·5	
10·4		32·7	15·5	
8·8		37·4	59·0	a
10·3		38·7	58·7	
10·2		41·2	44·2	
10·4		41·7	42·8	
10·4		42·2	57·6	
8·1		42·7	32·8	8·5 ≡
10·4		48·7	19·9	
10·3		51·7	36·2	
10·0	14	0·7	55·6	
9·9		2·2	11·8	
9·2		8·2	31·1	
10·0		9·2	43·4	
10·2		10·4	56·7	
9·9		12·2	24·7	
10·2		15·7	49·4	
9·8		18·7	33·2	
8·2		23·7	47·7	9·5
9·6		24·7	39·1	
10·4		30·7	14·7	
9·6		31·2	55·0	
10·4		31·2	48·8	
8·4		37·7	50·3	9·0
9·8		39·2	31·4	
8·9		39·2	12·1	
10·0		39·7	52·9	
10·0		40·2	37·3	
10·4		44·2	37·0	
9·2		46·7	17·8	
10·4		47·7	35·9	
10·3		50·7	36·0	
8·6		51·7	51·3	9·2 –
10·0		55·1	55·8	
9·7		55·7	33·7	
9·4	15	1·2	5·2	
9·3		1·2	32·2	
10·4		4·7	14·0	
10·0		5·5	37·9	
9·8		8·7	52·4	
10·2		10·7	43·4	
9·8		20·6	31·3	
10·1		21·6	6·4	
10·3		31·6	52·9	
10·4		33·6	42·5	
10·0		34·6	6·3	
9·7		47·1	21·0	
9·5		51·3	1·6	
9·2		51·6	32·2	
25pr.	+ 1	3·1	−2·7	

2101—2160.

mag.	7^h m	s	−23° ′	
8·7	15	56·6	22·8	8·5
9·4		56·6	32·3	
10·2	16	0·6	9·8	
9·4		1·1	13·2	
10·3		2·6	16·3	
10·3		5·6	29·6	
9·5		20·6	12·2	
9·4		20·6	34·1	
9·5		26·1	33·9	
8·6		27·5	59·9	8·0 G=
9·6		31·6	58·8	
9·7		35·6	19·2	
8·2		37·6	33·4	9·5 –
8·8		38·6	6·3	
8·6		42·6	18·0	9·0 a
8·8		44·6	32·2	
10·4		45·6	7·0	
10·4		48·6	53·6	
10·2		49·6	6·3	
10·0		50·6	50·5	
10·3		54·1	31·6	
8·6		55·6	48·2	9·5 –
8·6		56·6	57·8	9·2 a
10·4		58·6	25·4	
10·4	17	1·6	55·9	
10·3		5·1	31·4	
9·4		5·6	30·3	
9·8		8·6	21·0	
10·3		12·8	58·8	
9·8		14·1	27·9	
10·2		15·6	36·9	
10·0		16·6	28·4	
10·1		16·6	29·3	
10·3		18·1	4·7	
10·4		23·6	33·0	
9·6		24·6	14·8	
10·3		26·1	30·3	
10·0		26·6	14·0	
9·0		28·1	37·5	
8·8		29·6	17·6	
8·8		35·6	21·4	
10·4		39·1	21·4	
9·4		40·6	23·5	
9·3		44·6	17·3	
10·0		47·6	9·3	
10·0		50·1	40·4	
9·5		54·6	26·8	
9·3		54·6	46·5	9·5
10·4		55·3	57·6	
8·8	18	0·6	55·4	9·0 a
10·1		4·1	22·2	
10·3		5·6	1·3	
8·6		11·6	41·3	9·0 a
9·8		17·6	15·4	
9·8		21·6	25·5	
9·6		30·6	8·7	
9·0		31·6	6·4	
9·8		31·6	24·0	
10·3		32·6	32·5	
9·8		37·1	46·4	
	+ 1	3·1	−2·8	

2161—2220.

mag.	7^h m	s	−23° ′	
8·6	18	40·1	41·5	9·0 a
10·3		40·6	2·8	
10·4		40·6	53·4	
10·2		41·6	18·0	
10·2		54·6	9·7	
9·8		56·6	32·3	
8·6		57·1	6·9	9·5 a
9·6		57·6	10·3	
9·6		58·1	37·3	
9·4	19	0·6	40·0	
9·4		6·1	29·8	
10·2		7·6	33·5	
10·3		9·6	26·1	
9·9		10·9	58·2	
9·2		34·1	30·7	9·5 Ga
10·0		36·1	30·5	
10·0		38·6	36·9	
9·9		39·6	38·3	
10·2		41·6	55·2	
8·7		44·6	35·4	9·5 a
9·5		44·6	50·9	
9·2		46·6	37·1	a
9·2		48·6	47·8	
9·4		50·6	36·5	
10·4		57·1	34·3	
10·4		57·1	34·0	
9·4	20	0·6	37·2	
9·9		0·6	18·1	
10·2		1·6	45·0	
10·0		4·1	5·5	
9·9		10·6	46·3	
10·3		11·6	17·9	
10·3		15·1	29·1	
10·3		15·6	14·8	
10·0		16·1	30·0	
10·1		20·1	3·6	
10·4		20·6	21·4	
10·3		24·6	14·1	
10·2		24·6	24·0	
9·9		29·6	36·0	
9·2		35·8	26·1	9·5 a
9·2		40·8	21·7	10·0
10·0		41·3	8·2	
10·2		42·8	6·0	
10·4		48·8	23·9	
9·1		49·8	54·1	
9·6		50·8	29·8	
10·4		50·8	56·1	
9·4		54·8	6·8	
10·4		54·8	42·1	
9·8		59·8	19·3	
10·2	21	1·8	29·9	
10·0		4·8	38·4	
9·4		4·8	44·7	
10·4		5·8	8·0	
10·3		5·8	57·7	
9·4		8·3	32·8	9·5
9·4		10·8	29·6	9·0 Ga
10·0		11·8	45·5	
10·3		13·8	17·7	
	+ 1	3·2	−2·9	

2221—2280.

mag.	7^h m	s	−23° ′	
10·2	21	15·3	14·3	
10·0		19·8	28·8	
10·0		21·8	18·0	
8·9		22·8	16·9	
9·4		23·8	28·4	
7·4		24·8	27·7	7·0 GSa
9·2		25·3	27·1	
10·3		28·3	13·1	
9·4		30·8	37·2	
10·1		31·8	58·5	
9·9		32·3	25·1	
10·3		33·7	58·1	
10·1		33·8	22·1	
10·3		40·8	22·0	
10·3		42·3	36·5	
10·4		46·3	25·1	
10·4		50·8	28·1	
9·6		54·3	37·3	
9·8		54·8	39·3	
9·3		55·8	55·9	
9·9		59·8	44·3	
9·0	22	1·8	40·7	9·5
9·4		2·8	13·8	G
9·4		4·8	40·3	
10·0		6·7	40·9	
8·6		8·8	41·3	9·0 –
10·0		9·3	31·8	
10·3		9·7	43·1	
9·7		9·8	21·5	
10·1		10·3	45·3	
9·6		10·3	44·4	
10·0		10·3	42·0	
10·1		10·8	41·8	
10·4		11·3	26·4	
9·0		13·3	32·0	9·5 a
9·7		14·8	17·1	
9·4		16·3	9·1	
9·2		17·3	53·7	
9·9		19·8	41·1	
10·1		20·3	47·1	
10·4		21·8	40·1	
9·4		31·3	32·8	
8·7		31·8	45·2	
10·4		36·8	25·8	
8·6		38·8	14·1	8·0 Ga
10·0		44·7	40·5	
10·3		44·8	14·1	
10·0		45·8	21·4	
10·4		48·8	42·2	
9·2		49·3	15·9	9·0 Ga
9·2		52·2	2·0	
9·4		54·8	53·0	9·5
10·2		58·8	55·5	
9·0		59·3	20·2	9·5
9·4	23	1·8	8·8	
9·8		1·8	44·1	
9·8		2·3	42·7	
8·3		4·8	55·0	9·0 –
9·0		4·8	52·1	9·0
9·6		11·8	10·0	
	+ 1	3·2	−2·9	

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2281—2340.

mag.	7h. m s	—23° ′	
8·9	23 11·8	5·2	8·0 Ga
10·4	13·3	36·5	
10·4	14·3	30·6	
10·3	14·8	43·8	
10·3	16·8	3·9	
10·0	21·8	52·6	
10·1	22·3	55·3	
9·2	24·3	28·7	
9·2	25·8	27·5	
10·0	27·8	41·9	
9·8	31·3	45·0	
10·4	35·8	4·3	
9·8	36·8	53·3	
9·8	40·8	53·2	
9·3	42·3	12·4	
9·6	44·8	22·4	
9·4	44·8	34·9	
10·4	51·8	29·2	
10·1	53·8	12·0	
9·8	24 4·8	44·6	
10·1	4·8	43·0	
8·6	5·8	16·0	9·5 a
10·4	7·3	12·9	
8·6	7·8	40·0	—
9·8	9·8	18·7	
8·6	10·8	40·4	
9·4	13·8	54·0	
9·8	15·8	33·0	
9·8	17·3	51·0	
9·4	20·8	26·4	
10·1	21·8	40·0	
8·9	30·8	26·0	8·5 Ga
8·9	31·8	44·7	9·5 G—
9·7	36·3	26·1	
10·0	40·8	31·4	
9·5	40·8	39·8	
8·6	41·3	32·6	8·5 Ga
10·4	41·9	2·0	
10·0	46·8	16·6	
8·6	55·3	14·2	a
9·4	58·8	14·5	
10·2	58·8	58·8	
9·8	58·8	40·5	
8·3	59·1	1·8	Ga
8·9	59·3	32·0	
9·4	25 5·8	33·3	
10·4	7·9	54·5	
10·2	10·8	25·3	
10·3	11·7	18·5	
10·3	13·7	27·7	
9·6	20·7	42·0	
9·1	20·7	59·2	
10·3	23·7	58·5	
10·3	26·2	43·2	
10·3	29·2	46·4	
8·1	30·7	15·8	9·0 a
8·7	34·7	56·3	9·5
10·4	38·2	22·2	
9·1	40·7	18·1	
10·0	40·7	32·7	
25pr.	+1 3·3	−3·0	

2341—2400.

mag.	7h. m s	—23° ′	
10·0	25 44·7	34·2	
10·4	45·2	20·6	
9·5	45·2	56·5	
9·5	45·7	26·6	
10·3	46·7	32·0	
10·0	48·7	15·3	
10·3	53·2	11·5	
10·4	58·6	9·2	
9·0	58·7	34·3	9·0 a
9·9	58·7	18·8	
10·1	59·7	41·9	
10·4	26 0·7	57·3	
10·4	1·7	2·3	
9·8	4·2	19·9	
9·2	4·7	9·9	9·5
9·7	10·7	52·0	
10·3	11·7	26·0	
9·2	12·7	6·1	9·0
10·3	14·7	55·0	
10·4	16·7	32·3	
10·4	18·2	4·0	
9·8	25·7	41·2	
10·0	26·7	55·6	
10·4	30·7	26·0	
10·1	30·7	21·4	
9·4	34·7	1·4	
10·4	39·7	30·9	
10·1	40·7	12·8	
9·9	44·6	43·2	
8·9	46·7	52·6	
10·0	48·2	12·2	
10·2	50·7	33·5	
10·3	51·7	27·1	
9·1	54·2	58·0	9·5 a
10·2	27 7·7	11·2	
10·3	8·7	10·3	
8·5	9·2	46·6	9·0
8·8	10·7	46·2	9·0
10·0	11·7	30·1	
9·1	20·3	42·5	
10·2	20·7	43·8	
9·6	24·7	5·0	
10·4	25·2	38·6	
9·6	35·2	17·7	
9·4	37·0	46·1	
9·4	38·2	37·6	
10·4	44·7	41·8	
8·0	46·7	40·0	8·5 —
10·0	52·2	46·8	
9·6	53·7	46·5	
9·8	59·3	13·1	
10·3	28 0·7	53·4	
9·3	2·2	44·2	9·5
10·1	3·2	39·3	
9·8	7·2	42·6	
10·2	8·2	29·0	
9·9	9·7	8·4	
8·7	11·7	12·0	
10·1	14·7	24·1	
10·0	18·7	54·7	
	+1 3·3	−3·1	

2401—2460.

mag.	7h. m s	—23° ′	
10·4	28 22·2	55·5	
8·3	32·1	37·5	9·0 —
10·5	35·4	4·3	
10·0	37·4	51·0	
10·5	41·4	18·7	
7·6	43·9	25·9	8·5 Gb
8·4	44·4	16·1	9·5
10·4	50·4	52·4	
10·0	50·9	5·1	
9·4	50·9	31·3	
9·4	51·9	29·8	
10·3	56·9	50·9	
9·6	29 0·4	21·7	
6·3	1·9	12·3	6·6 GSlπ
10·0	5·3	20·5	
9·2	6·3	40·4	
10·4	7·3	26·2	
9·8	11·3	11·2	
10·4	14·3	28·6	
9·9	15·8	24·3	
10·2	17·3	47·3	
8·9	19·3	15·6	
9·4	20·8	37·4	
9·4	23·8	39·0	
9·5	25·8	51·2	
9·8	32·8	23·3	
9·2	42·3	56·9	
9·6	43·3	2·4	
9·6	43·8	47·9	
9·4	46·3	30·7	
9·9	48·3	6·7	
10·1	50·8	8·3	
9·6	52·3	24·9	
9·6	58·3	6·5	
9·4	58·3	4·2	
8·7	30 0·8	20·6	a
10·1	1·8	34·0	
8·7	10·3	18·8	a
10·4	13·8	35·1	
10·3	18·3	13·5	
9·6	18·8	28·1	
10·1	20·8	54·8	
9·9	21·8	20·4	
9·2	23·3	17·3	
8·5	24·8	17·6	9·5 a
8·9	25·3	40·2	
9·6	27·8	13·6	
9·8	27·8	37·9	
9·5	28·8	38·1	
8·7	32·3	14·7	9·0 Ga
9·6	32·3	10·9	
9·6	32·3	7·6	
9·2	36·3	25·5	
8·1	36·8	16·3	7·5 Gaπ
10·5	36·8	4·9	
9·9	38·3	12·4	
10·2	38·8	19·7	
9·1	39·3	40·5	
10·3	39·3	46·1	
9·2	39·8	42·7	
	+1 3·4	−3·2	

2461—2520.

mag.	7h. m s	—23° ′	
8·7	30 41·3	31·3	
10·2	41·3	26·1	
10·1	41·8	14·4	
10·1	42·3	22·9	
8·9	45·5	0·2	
10·0	46·3	38·9	
9·4	51·3	7·4	
9·4	53·8	12·2	
8·5	54·8	37·1	9·0
9·9	56·8	33·0	
8·6	58·3	33·7	8·0
9·2	58·8	34·0	
10·5	59·3	57·4	
10·1	31 0·8	30·5	
10·1	1·8	17·2	
9·2	4·8	50·1	10·0
10·1	12·8	25·1	
9·8	14·3	16·2	
8·9	17·6	1·8	a
7·9	28·8	49·8	8·8 =
10·0	42·3	59·2	
8·7	42·8	44·0	8·5 —
8·8	47·3	24·0	
10·2	49·3	9·3	
9·4	58·3	7·7	
10·3	58·5	2·4	
7·4	32 0·3	29·7	7·0 GSb
8·8	3·3	7·4	a
9·6	5·3	29·4	
9·2	8·3	44·9	
10·4	9·3	9·1	
9·4	14·3	19·4	
10·5	20·8	14·3	
9·4	22·3	26·2	
10·5	23·3	6·0	
10·0	23·3	38·4	
10·5	23·8	22·0	
9·5	24·8	37·6	
10·0	25·1	58·4	
9·5	25·3	11·8	
9·6	25·8	32·2	
9·9	27·8	31·8	
9·4	30·8	58·2	
9·6	33·3	0·6	
10·5	35·3	6·2	
9·4	38·3	50·5	
9·2	38·8	45·5	
9·8	41·8	4·2	
9·4	45·3	44·6	
10·2	45·8	57·5	
9·2	46·3	25·4	9·0
9·2	48·8	48·0	
9·2	50·3	38·1	
10·4	52·3	45·1	
9·5	52·6	59·4	
10·0	54·3	3·3	
10·3	56·8	37·4	
9·4	59·3	17·7	
9·4	33 1·3	33·4	
9·6	1·3	53·6	
	+1 3·4	−3·3	

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2521—2580.

mag.	7h. m	s	—23° ′	
10·1	33	8·3	43·0	
9·1		8·3	50·2	
8·9		9·3	27·4	9·5
10·4		14·3	28·2	
9·6		15·3	33·5	
10·2		15·8	25·2	
10·3		18·3	4·6	
10·2		19·3	43·6	
8·9		20·3	33·0	9·5
10·2		20·3	28·8	
9·5		20·8	57·1	
9·2		21·8	21·6	
10·5		22·9	52·9	
9·2		24·3	20·6	
10·1		24·3	58·9	
9·8		28·3	13·9	
9·4		28·3	9·4	
9·2		29·3	10·6	
9·6		31·8	35·2	
10·4		34·3	5·5	
8·9		34·8	54·3	
10·5		35·3	59·0	
9·8		37·8	26·5	
10·3		38·3	43·0	
10·4		42·8	57·6	
9·8		50·8	4·4	
9·1		52·8	48·6	
9·8		55·8	46·2	
8·9	34	0·8	43·5	
10·1		0·8	50·2	
10·4		2·0	15·6	
9·9		2·3	12·3	
10·5		4·8	19·0	
9·4		5·3	4·3	
9·6		6·3	14·6	
10·3		8·8	28·5	
10·3		10·8	30·1	
8·6		13·6	56·8	8·8 W—
8·9		20·8	25·1	
9·4		21·8	31·9	
10·3		22·8	58·6	
10·4		24·8	15·7	
9·6		26·3	17·1	
8·6		31·8	34·7	9·0 —
8·9		33·3	43·2	9·5 —
9·4		34·8	47·6	
9·4		35·8	42·3	9·5
8·4		37·3	4·7	8·5 Ga
10·2		37·3	52·6	
9·5		42·8	42·3	
9·4		43·3	3·3	
9·6		43·3	7·6	
9·8		47·3	27·9	
9·8		50·3	15·4	
9·9		53·8	17·7	
10·5		57·3	24·1	
10·2		57·3	39·8	
9·9		58·3	53·1	
9·2		58·3	41·2	
9·1	35	2·3	3·0	
25pr.	+ 1	3·5	— 3·3	

2581—2640.

mag.	7h. m	s	—23° ′	
8·9	35	2·3	12·2	
9·6		4·8	56·1	
10·2		5·1	18·5	
10·4		6·5	1·4	
10·4		8·8	13·5	
10·4		10·8	16·6	
9·8		10·8	20·8	
10·5		11·0	56·3	
9·2		14·3	9·1	
9·1		16·8	9·4	
9·5		21·8	8·2	
9·4		22·3	11·4	
9·9		23·3	16·0	
9·2		24·8	32·9	
10·4		25·3	41·9	
9·4		25·8	39·2	
10·4		26·1	36·4	
10·5		26·3	28·6	
9·4		26·4	56·9	
9·6		26·8	52·2	
9·4		28·3	53·2	
8·0		31·8	47·9	9·0 b=l
9·4		31·8	41·4	
8·3		34·5	59·2	8·0 GWbl
9·4		34·8	48·4	
10·1		35·4	32·1	
9·4		36·3	40·4	
9·4		37·3	39·8	
10·2		37·3	15·6	
9·4		44·3	25·0	
10·0		46·3	51·8	
10·4		46·5	0·2	
9·8		50·8	35·9	
10·2		51·8	8·1	
10·4		53·4	57·0	
9·8		54·3	36·9	
8·3		58·3	52·6	9·0 a
9·8		59·3	16·2	
9·8		59·8	17·9	
9·8	36	3·3	31·7	
9·2		3·3	27·1	
9·2		7·3	35·3	
10·1		7·8	56·0	
10·4		8·3	16·8	
10·1		11·8	48·1	
9·9		18·3	6·0	
10·2		20·8	20·8	
8·9		21·8	6·3	
9·2		26·3	38·2	
8·9		26·3	17·6	G
10·1		29·8	52·8	
10·4		32·8	48·6	
10·0		35·8	16·2	
7·7		36·3	19·6	8·5 Gbl
10·5		38·3	10·3	
9·2		39·8	18·3	
9·0		39·8	23·0	
10·3		41·3	49·6	
10·4		43·8	51·4	
8·0		50·8	49·3	9·0 b
	+ 1	3·5	— 3·4	

2641—2700.

mag.	7h. m	s	—23° ′	
8·7	36	50·8	49·8	10·0
8·9		50·8	37·7	9·5
10·3		51·8	55·2	
10·4		52·3	43·0	
10·3		52·3	54·0	
9·4		55·3	12·9	
8·6		56·8	23·0	
9·5		59·3	35·3	
10·0		59·8	49·0	
10·5	37	0·3	2·1	
10·1		0·8	54·1	
10·3		1·3	28·8	
10·5		4·3	29·5	
9·4		4·3	58·2	
10·3		6·3	24·1	
8·7		7·3	33·9	9·5
10·3		8·8	24·7	
10·5		9·8	6·0	
10·3		10·8	52·2	
10·5		12·3	3·5	
10·5		12·4	56·8	
9·0		13·3	14·9	
9·2		15·5	2·8	
9·8		17·3	35·3	
9·2		18·8	26·8	
8·9		19·3	8·6	
9·2		20·8	45·2	
9·9		26·8	5·5	
10·5		29·3	53·8	
9·2		35·2	40·2	
9·4		35·8	23·9	
9·8		36·8	41·1	
9·5		41·8	19·3	
10·5		44·8	46·2	
9·0		52·8	16·8	
9·5		54·8	53·1	
9·6		56·3	5·5	
9·8		58·8	20·6	
9·1	38	1·3	49·2	
9·9		1·8	5·3	
10·2		2·3	35·7	
10·5		4·3	49·3	
10·5		5·3	30·1	
9·1		5·3	28·8	
9·4		6·3	31·3	
10·2		6·3	56·1	
9·9		7·3	52·7	
9·8		8·3	43·5	
9·2		8·3	13·3	
10·3		8·8	32·3	
9·8		10·8	5·9	
10·4		10·8	38·3	
9·8		11·8	13·0	
9·2		15·8	36·2	
10·2		19·8	29·0	
10·5		20·8	50·6	
9·8		21·8	13·4	
10·4		22·8	26·7	
9·4		25·3	58·8	
10·3		25·3	52·4	
	+ 1	3·6	— 3·5	

2701—2760.

mag.	7h. m	s	—23° ′	
9·4	38	26·8	41·4	
10·3		27·3	22·3	
9·6		28·3	54·9	
9·5		31·8	45·9	
9·2		31·8	23·8	
8·9		31·8	19·2	
10·5		32·1	35·5	
9·8		33·3	5·2	
9·6		35·3	44·5	
10·0		35·3	37·7	
10·4		35·3	28·3	
9·8		36·8	2·1	
10·4		37·1	53·6	
9·6		39·3	1·5	
10·5		39·3	34·3	
9·2		39·8	22·9	
9·8		39·8	10·6	
10·5		40·8	21·1	
8·5		42·3	51·7	—
8·9		43·3	55·7	
10·3		45·3	57·8	
10·1		47·3	29·7	
10·5		49·3	20·6	
9·4		51·8	32·0	
9·2		55·3	45·6	
10·5		55·8	48·9	
9·8		56·0	1·9	
9·8		56·3	30·7	
9·2		58·8	41·4	
9·4		59·3	27·3	
9·2	39	0·3	36·6	
8·7		0·8	35·4	9·0 Gb
10·4		1·8	11·1	
9·4		1·8	41·5	
9·5		2·0	34·6	
9·4		2·8	15·9	
9·8		3·1	35·2	
10·1		4·7	32·7	
9·2		4·8	8·3	
10·3		5·1	36·1	
9·8		5·3	38·7	
10·1		5·3	17·0	
8·8		6·7	32·8	
9·8		7·1	28·6	
9·5		7·8	32·0	
8·9		8·0	35·0	9·0 Ga
8·9		10·2	32·7	
9·2		10·3	24·8	
9·2		10·5	34·4	
9·4		11·0	31·3	
9·4		11·3	35·4	
10·4		11·7	32·3	
10·4		12·1	35·5	
9·5		12·2	32·2	
9·2		12·3	31·4	
8·7		12·8	9·6	
9·8		13·7	31·9	
10·0		14·3	29·6	
8·7		14·7	33·3	9·5 a
9·5		14·8	39·9	
	+ 1	3·6	— 3·5	

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2761—2820.

mag.	7h. m	s	−23° ′	
9·8	39	15·2	32·4	
9·4		15·6	30·8	
8·8		15·7	33·3	
9·5		15·7	33·7	
10·0		16·1	40·5	
10·5		16·2	31·4	
10·4		16·7	34·8	
9·2		17·7	33·8	
9·2		17·8	54·9	
9·8		18·3	35·7	
9·2		19·7	34·1	:
10·3		19·7	33·1	
10·5		21·2	34·8	
9·2		21·8	43·7	
9·2		23·8	33·1	
9·2		23·8	32·3	
9·2		24·3	40·1	
9·6		24·8	32·9	
10·1		25·3	15·1	:
8·0		25·8	56·3	9·0 —
9·8		25·8	29·3	
9·2		27·3	43·6	
9·4		27·8	35·6	
10·2		28·3	56·6	
9·6		28·8	26·5	
9·8		29·3	37·7	
8·9		29·3	32·2	
8·9		30·8	38·8	
10·2		30·8	33·2	
9·8		31·3	26·9	
10·0		31·3	34·6	
9·2		31·8	34·4	G
9·6		32·8	31·6	
10·3		34·3	18·1	
9·4		35·3	29·3	
9·8		35·3	50·6	
9·0		36·3	35·3	
10·5		36·3	32·2	
10·0		36·8	6·8	
8·7		37·3	45·9	
10·3		37·3	21·0	
8·9		37·8	21·5	
10·3		39·3	33·7	
9·2		39·3	36·0	
10·5		39·8	34·5	
9·4		40·8	7·8	
9·8		41·8	51·8	
9·2		44·3	12·4	
9·4		44·3	33·1	
9·2		51·0	2·3	
9·8		51·3	23·6	
9·2		51·3	49·8	
9·4		51·3	31·4	
9·2		51·3	23·1	
9·2		51·8	29·7	
10·0		51·8	22·8	
10·4		51·8	25·4	
10·1		51·9	20·9	
9·0		53·3	9·4	
9·2		53·8	36·9	
25pr.	+1	3·6	−3·5	

2821—2880.

mag.	7h. m	s	−23° ′	
10·5	39	53·8	37·5	
10·5		53·8	37·2	
10·3		56·3	39·7	
10·2		57·3	40·3	
10·5		57·8	35·1	
9·6		59·3	30·6	
10·5		59·8	35·3	
10·3	40	0·8	21·8	
9·0		2·8	34·4	
9·9		4·3	17·1	
9·4		4·3	41·3	
10·5		5·3	42·2	
9·4		9·3	30·4	
9·0		9·8	38·5	
9·2		9·8	37·9	
9·5		10·8	34·1	
10·3		10·8	18·7	
9·2		11·8	30·6	
10·4		11·8	51·5	
10·4		12·9	25·9	
9·8		13·3	18·5	
9·6		14·8	23·6	
9·4		17·8	18·8	
9·8		20·3	7·9	
10·5		20·8	59·6	
10·4		20·8	25·4	
9·0		20·8	12·3	
10·3		21·8	17·2	
9·4		24·3	31·3	
10·4		24·8	30·4	
8·8		25·3	17·4	
9·5		25·9	10·0	
10·4		26·8	14·5	
10·0		28·6	2·2	
10·3		30·6	2·8	
10·5		32·9	7·3	
6·5		35·4	57·2	7·5 GSal
8·9		37·4	19·1	
9·8		42·9	24·7	
10·5		42·9	27·5	
10·4		45·9	12·6	
10·1		46·9	11·5	
9·8		47·6	59·3	
10·2		48·4	9·8	
10·3		51·9	29·9	
10·4		54·4	27·7	
9·4		58·4	28·9	
9·2	41	1·9	45·8	
10·5		2·4	47·0	
9·6		5·4	59·3	
8·5		5·7	17·6	8·0 Gbl
10·2		8·4	53·7	
9·2		9·9	40·4	
9·8		10·9	37·8	
10·4		10·9	29·1	
10·1		11·4	7·5	
9·6		11·4	52·4	
10·5		16·4	23·3	
8·7		16·4	50·8	9·0 a
10·4		17·4	55·2	
	+1	3·6	−3·5	

2881—2940.

mag.	7h. m	s	−23° ′	
9·6	41	17·4	50·1	
9·5		19·4	59·0	
8·8		20·9	11·9	
9·0		21·9	20·9	9·0
10·1		23·9	49·0	
10·5		26·7	30·1	
10·1		26·9	4·3	
10·4		30·7	20·5	
9·2		31·4	54·5	
10·1		31·9	52·0	
9·2		31·9	42·6	
10·5		38·4	59·0	
10·2		38·9	23·8	
9·0		44·9	10·7	
10·5		45·4	13·0	
9·8		45·9	4·6	
10·3		46·4	29·3	
9·8		46·7	59·3	
9·1		46·9	48·0	
9·8		50·4	0·2	
9·5		50·4	19·2	
10·4		50·5	35·9	
9·2		52·4	42·3	
10·3		55·9	29·9	
10·3		56·4	26·7	
9·2		56·9	5·0	
9·8	42	1·9	55·2	
10·5		4·4	19·6	
10·1		7·9	24·3	
10·3		9·9	33·8	
8·9		10·4	54·0	9·5
10·2		10·9	36·6	
9·9		11·9	8·9	
10·5		20·9	51·1	
10·4		20·9	30·3	
10·0		21·9	22·9	
10·4		24·1	2·0	
9·6		25·4	36·0	
9·2		31·4	48·0	
9·6		33·4	39·3	
10·4		34·4	3·3	
10·4		34·4	49·3	
8·7		36·4	52·8	9·5 Wa :
10·2		40·9	21·7	
8·3		41·9	57·1	9·0 GW
10·4		42·9	27·4	
10·4		46·4	35·9	
8·9		47·4	27·5	Wa
9·8		50·4	43·2	
10·4		50·4	54·3	
10·0		51·9	46·0	
9·1		53·9	25·3	a
9·6		54·9	3·3	
10·2		57·4	19·7	
9·5		57·4	19·2	
8·9		58·9	29·1	
10·5	43	0·9	5·5	
10·5		3·4	21·4	
10·5		7·4	1·3	
9·9		9·9	37·6	
	+1	3·7	−3·6	

2941—3000.

mag.	7h. m	s	−23° ′	
9·9	43	10·4	28·9	
8·7		14·7	57·1	Wa
10·5		15·9	55·6	
9·2		19·4	8·3	
9·6		20·9	13·9	
9·2		21·9	35·0	
10·3		24·9	42·1	
10·4		24·9	8·2	
10·5		28·7	57·6	
9·1		29·4	31·9	
10·5		30·4	41·3	
10·3		31·4	41·7	
9·6		35·4	11·8	
9·8		36·4	32·2	
10·3		40·4	35·1	
9·6		42·4	26·0	
9·8		44·9	31·8	
10·5		44·9	44·6	
10·3		45·9	8·2	
9·8		51·9	27·5	
8·9		51·9	33·4	
10·3		51·9	12·0	
10·3		54·4	50·6	
10·4		55·4	57·5	
10·1		57·9	31·5	
8·9		59·9	29·1	9·0 Wa
9·6	44	5·9	29·7	
9·2		7·4	54·7	9·0 Ga
10·3		9·4	10·5	
9·2		9·4	53·1	9·5 a
10·1		13·4	37·1	
10·4		14·4	26·3	
9·0		15·4	13·7	a
10·5		15·9	32·9	
9·8		17·9	57·1	
8·5		18·4	33·8	9·0 Wa
9·5		19·4	34·6	
9·0		20·4	31·3	
10·5		20·9	58·4	
9·8		21·9	4·9	
9·8		24·9	44·6	
10·5		26·9	9·6	
9·8		27·9	53·3	
10·5		31·9	37·6	
9·8		36·4	46·2	
10·0		36·4	34·5	
10·5		36·9	54·6	
7·5		40·9	28·9	7·5 GSal
9·8		41·4	44·8	
9·8		41·4	8·2	
10·3		48·7	59·1	
10·4		52·4	6·7	
9·6		53·9	2·6	
9·4	45	4·4	34·7	
10·5		6·4	56·1	
9·2		7·4	32·0	G.
9·9		11·4	42·0	
9·8		12·4	11·4	
8·9		14·4	45·1	a
10·3		14·9	54·9	
	+1	3·7	−3·7	

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3001—3060.

mag.	7h. m	s	—23° ′	
9·2	45	15·4	9·9	
10·2		17·4	25·0	
10·4		19·9	1·0	
9·6		20·5	19·1	
9·2		22·4	27·3	
9·2		24·4	14·0	
9·6		25·4	27·5	
9·1		27·5	35·8	
10·5		28·4	8·9	
8·9		28·9	51·9	9·5 Ga
9·2		30·4	43·6	
10·2		30·9	21·6	
9·8		32·4	9·8	
9·2		33·9	38·0	
9·2		37·4	18·0	
10·4		40·4	22·8	
9·2		42·6	9·2	
10·3		43·7	59·4	
10·0		44·1	10·3	
8·8		44·6	34·3	9·5
9·1		44·6	55·3	
8·7		45·6	52·8	a
10·1		46·1	23·9	
10·4		47·7	44·3	
9·4		49·1	15·0	
10·3		51·6	45·6	
10·5		51·7	58·1	
10·5		55·1	42·3	
9·8		57·1	25·4	
10·3	46	1·6	4·2	
9·4		1·9	59·3	
10·1		2·1	36·7	
10·0		5·6	4·0	
10·4		5·6	49·0	
10·5		6·4	52·6	
10·5		7·1	54·9	
10·4		7·7	33·7	
10·5		15·6	5·6	
10·4		19·6	28·1	
10·5		20·4	53·9	
9·8		32·1	24·9	
10·0		32·1	43·9	
10·1		39·1	44·9	
10·1		39·1	38·7	
10·5		39·4	28·7	
10·5		40·1	0·7	
9·2		41·4	34·1	9·0
8·9		41·4	17·6	
10·5		47·4	13·8	
10·1		51·1	59·1	
10·5		52·3	51·8	
10·1		57·1	39·2	
9·2	47	3·6	14·6	
9·2		7·6	23·8	10·0
10·0		12·1	34·0	
9·9		14·1	35·9	
9·2		14·7	25·6	
9·9		15·1	38·1	
9·5		19·6	59·7	
10·2		22·1	36·2	
25pr.	+ 1	3·8	− 3·7	

3061—3120.

mag.	7h. m	s	—23° ′	
10·3	47	29·9	40·4	
9·6		30·1	12·4	
10·5		33·6	1·2	
9·2		38·7	10·7	
9·8		41·1	50·1	
9·1		41·4	40·1	
9·2		43·6	2·7	
10·5		46·0	5·4	
10·4		50·6	5·1	
10·3		53·1	54·2	
9·4	48	3·9	51·4	9·5
9·8		5·6	36·1	
10·4		7·6	32·8	
9·8		13·8	0·0	
9·2		15·4	39·7	
10·2		16·6	42·2	
10·4		17·1	17·3	
10·3		19·1	4·3	
8·1		21·4	56·1	9·0
10·5		24·6	33·9	
9·2		24·9	43·3	
10·2		26·8	52·1	
9·0		26·8	14·6	9·0
10·4		30·8	32·7	
10·2		34·8	38·5	
9·8		36·3	20·8	
10·4		40·3	45·3	
8·6		49·8	26·0	9·0
10·2		50·3	36·0	
10·4		51·0	58·9	
10·4		53·3	23·2	
9·6		55·8	8·2	
9·2		59·8	28·3	
9·2	49	1·8	9·6	
10·0		5·8	58·9	9·5
10·4		8·8	13·0	
10·4		10·7	6·0	
10·2		10·8	12·3	
9·0		12·3	28·4	
10·1		12·8	20·6	
10·2		12·8	1·1	
10·0		17·8	55·8	
10·4		22·3	38·2	
10·1		22·3	43·4	
9·0		30·3	58·7	9·0 Gbtl
9·9		31·8	32·9	
7·4		40·3	8·3	8·0 Gal
10·4		40·3	54·1	
9·9		41·8	56·4	
10·0		42·8	39·1	
10·1		45·3	37·4	
9·6		46·0	57·2	
10·4		46·8	24·7	
10·0		51·8	4·8	
10·4		52·8	58·1	
10·1		52·8	56·7	
9·7		53·8	54·0	
10·2		55·3	56·1	
9·7		56·3	1·6	
10·4		57·3	53·7	
	+ 1	3·9	− 3·8	

3121—3180.

mag.	7h. m	s	—23° ′	
9·6	49	58·8	27·2	
10·0		58·8	22·1	
10·4		59·8	37·6	
10·4	50	0·8	55·1	
10·4		0·8	58·1	
10·4		2·2	51·1	
10·0		5·8	16·8	
10·4		6·5	57·2	
10·4		9·2	59·3	
9·2		11·3	38·0	G
10·4		13·3	18·1	
9·2		16·3	6·1	9·5 a
7·8		17·8	43·7	7·5 Gal
10·4		17·8	56·0	
10·2		22·3	15·9	
10·2		22·3	24·8	
10·4		24·8	25·0	
10·4		24·8	56·6	
10·2		24·8	48·0	9·5
10·4		26·8	41·9	
9·1		28·3	21·4	
10·4		32·8	3·1	
8·0		33·3	48·2	8·2 al
10·2		35·3	56·1	
10·4		35·8	0·3	
8·5		37·3	46·6	8·5 Gal
9·2		37·8	55·8	
9·2		38·6	1·9	a
9·0		39·3	24·5	
9·8		41·7	57·8	
9·9		43·3	10·1	
9·2		44·3	16·0	
10·4		46·1	59·7	
10·4		49·8	5·2	
9·3		52·3	51·3	
9·8		52·3	27·0	
9·7		57·8	16·5	
10·2		59·8	57·5	
10·4	51	1·3	44·6	
10·4		1·8	3·9	
10·4		4·3	22·4	
9·4		4·8	42·2	
10·4		12·8	18·0	
10·2		13·3	18·3	
8·8		16·3	34·5	9·5
9·2		17·8	10·3	
10·2		22·8	20·5	
10·1		23·3	33·0	
10·4		24·8	5·3	
9·8		32·8	51·9	
9·9		40·3	9·0	
10·4		41·3	53·3	
9·3		43·8	22·7	
9·4		50·3	21·6	
10·4		52·8	52·8	
9·8		55·8	44·3	
9·6		58·3	19·3	
10·0		58·8	31·0	
10·2	52	1·8	36·4	
10·4		2·3	41·7	
	+ 1	3·9	− 3·9	

3181—3240.

mag.	7h. m	s	—23° ′	
10·4	52	2·8	37·7	?
9·8		3·3	12·0	
10·0		3·8	13·6	
9·8		8·8	52·7	
10·0		11·2	59·2	
10·4		13·3	31·5	
10·2		18·8	27·2	
10·4		21·8	52·3	
10·1		22·8	30·5	
10·1		24·3	15·5	
10·4		24·8	13·3	
9·7		26·3	57·9	
9·9		26·3	41·5	
10·4		27·8	18·7	
10·4		28·8	6·8	
9·2		29·8	22·3	
9·9		31·3	31·6	
10·1		32·3	9·9	
9·6		37·8	4·8	
10·4		38·3	28·9	
10·4		38·8	15·7	
10·0		42·8	9·8	
9·9		45·8	42·4	
10·1		49·8	21·0	
10·1		51·8	46·1	
10·4		58·5	52·7	
8·5	53	0·8	15·5	9·2 a
8·6		2·3	45·5	9·0
9·2		5·8	20·9	
10·0		6·8	46·8	
10·2		9·3	36·5	
10·2		12·8	6·7	
10·4		16·8	12·1	
10·4		19·8	15·6	
10·2		21·1	2·6	
10·2		21·8	37·6	
10·4		32·3	26·6	
9·2		36·3	5·1	9·0
9·8		36·6	0·7	
10·1		38·8	50·1	
8·8		42·3	57·4	a
10·0		52·3	56·6	
9·8		52·8	53·3	
9·6		53·8	23·7	
8·4		59·3	36·5	8·0 Ga
9·1	54	1·8	47·7	
10·2		2·3	48·1	
10·4		5·3	22·5	
10·2		13·3	57·5	
10·4		17·3	19·6	
10·2		22·8	25·1	
10·4		22·8	2·5	
10·2		24·8	0·7	
9·6		25·8	4·5	
10·1		37·3	46·5	
10·4		40·8	54·9	
10·2		41·9	28·0	
7·7		41·9	0·8	8·2 Gtlπ
10·1		50·4	13·7	
10·0		52·0	58·4	
	+ 1	4·0	− 4·0	

3241—3300.

mag.	7h. m	s	−23° ′	
9.9	54	53.9	40.3	9.5
9.6	55	2.4	21.7	
9.7		3.9	45.0	
9.8		3.9	39.1	
10.2		9.4	24.7	
10.1		16.9	22.6	
10.4		17.9	50.3	
9.7		24.9	15.9	
9.3		26.4	45.4	9.5
10.4		30.9	33.1	
10.1		31.4	59.0	
10.4		31.9	27.3	
10.4		32.4	38.9	
10.2		33.9	50.6	
10.4		35.9	17.7	
8.8		37.9	23.5	
10.4		40.9	20.8	
10.0		43.4	38.4	
10.2		56.4	14.6	
8.4		57.4	29.2	8.8 Ga
10.2	56	0.9	44.8	
9.9		12.4	7.0	
10.2		12.4	13.2	
9.7		12.9	30.0	
9.8		16.9	54.1	
9.0		18.9	38.9	9.5 a
10.5		26.9	44.8	
10.2		28.4	54.4	
9.7		29.9	31.5	
10.4		31.9	37.6	
10.4		32.4	12.0	
9.7		32.9	36.4	
10.2		43.4	55.8	
10.0		45.9	7.6	
9.8		47.4	3.4	
10.4		48.9	32.3	
10.4		51.1	5.3	
10.4		52.5	50.4	
9.6		57.1	53.7	
10.2	57	2.1	39.6	G
10.0		3.6	2.5	
10.4		5.1	9.0	
10.1		6.6	19.8	
10.2		7.1	25.9	
10.4		11.6	55.2	
9.8		16.6	36.7	
9.7		17.6	26.1	
9.7		17.6	45.9	
10.2		23.1	5.1	
10.0		24.1	58.5	
9.2		26.6	22.2	9.5 a
10.4		27.1	8.9	
10.1		31.1	32.6	
9.9		33.6	55.3	
10.4		39.6	25.4	
10.4		43.3	58.3	
9.4		48.1	21.2	
9.7		52.6	22.9	
9.8		53.6	40.2	
9.7		56.6	31.2	
25pr.	+1	4.1	−4.1	

3301—3360.

mag.	7h.–8h. m	s	−23° ′	
10.4	57	59.1	25.1	
10.0		59.6	7.4	
10.4	58	0.1	27.4	
9.2		1.6	21.7	9.2 Ga
10.0		11.1	33.2	
10.4		17.6	39.0	
9.8		18.6	55.7	
10.4		23.6	22.4	
8.4		28.6	32.1	8.8 Gal
10.0		31.1	35.1	
9.6		32.1	36.6	
9.8		42.6	42.5	
10.2		45.1	17.0	
10.4		48.1	30.4	
10.4		49.4	0.5	
9.4	59	2.6	45.1	
9.3		3.1	13.9	
9.0		24.1	29.1	8.5 Ga
10.4		29.6	39.1	
10.1		32.6	10.9	
9.7		33.1	0.8	
10.2		39.4	2.6	
10.2		49.1	9.8	
10.0		53.1	38.0	
9.9		53.1	32.5	
10.2		58.1	5.5	
10.4	0	2.1	5.3	
10.4		3.6	58.0	
10.2		17.1	46.0	
9.2		17.6	14.4	
10.4		17.6	0.1	
10.4		22.1	17.0	
9.2		23.6	49.8	G
10.1		25.1	38.0	
9.8		33.3	57.2	
10.1		36.6	39.8	
9.8		41.6	46.3	
9.0		42.0	48.8	G
10.4		44.0	33.6	
9.4		44.0	8.5	
10.2		45.0	38.4	
9.3		47.0	13.3	
10.4		51.0	58.7	
9.7		52.0	31.1	
9.6		54.0	55.1	
10.4	1	4.0	41.9	
10.0		5.0	11.1	
10.4		5.5	35.2	
10.4		6.5	33.1	
10.1		6.5	50.3	
9.3		7.0	3.4	
10.0		11.0	31.8	
10.4		20.0	55.6	
10.4		22.0	55.1	
10.4		22.0	28.4	
9.4		29.5	16.9	
10.2		32.5	31.1	
10.4		34.5	38.7	
9.8		42.5	51.3	
8.6		52.5	38.4	G
	+1	4.2	−4.2	

3361—3420.

mag.	8h. m	s	−23° ′	
10.4	1	54.0	53.0	
10.0		55.5	17.9	
10.2	2	7.5	38.9	
10.4		8.5	32.0	
9.6†		9.1	57.7	
10.0		9.5	59.3	
9.7		12.0	24.9	
4.7		13.4	56.7	3.0 GSπβ
10.4		19.4	59.0	
10.4		22.0	32.7	
10.5		25.9	47.9	
9.7		30.5	46.1	
8.6		31.0	48.6	a
10.4		32.5	35.1	
9.6		33.0	27.9	
8.8		34.0	1.3	a
9.3		34.5	2.6	
10.0		36.8	13.3	a
9.3		36.9	29.1	
10.4		37.9	29.5	
10.2		39.4	17.6	
9.9		42.8	2.2	
9.4		44.9	41.0	
10.0		51.4	42.7	
7.0		57.4	15.2	GSal
10.2	3	0.4	14.5	
9.7		2.9	36.2	
8.8		7.4	12.5	a
10.2		9.3	57.6	
10.4		11.9	24.4	
9.9		13.4	38.4	
9.9		18.9	49.3	
8.6		21.4	10.7	Gal
9.4		21.9	9.9	
10.0		23.9	43.2	
10.4		25.9	45.3	
9.4		25.9	26.1	
9.6		26.4	18.0	
10.4		35.4	7.8	
9.7		43.9	38.9	
9.6		48.9	20.6	
10.4		52.8	9.8	
9.8		52.9	9.5	
10.1		55.9	50.9	
10.1	4	1.4	54.6	
9.2		2.9	3.6	Ga
10.2		8.9	52.4	
9.2		11.4	40.6	
9.2		13.4	17.2	
10.1		16.4	6.0	
9.7		33.9	39.2	
10.4		34.9	54.5	
10.1		36.4	4.4	
9.3		40.9	45.9	
9.2		46.4	7.8	9.0 Ga
10.4		47.9	19.3	
9.9		51.9	43.0	
9.9		52.4	14.0	
10.2		53.4	20.9	
10.4		54.9	24.6	
	+1	4.3	−4.3	

3421—3480.

mag.	8h. m	s	−23° ′	
9.6	4	57.9	2.0	a
10.4	5	.1.4	56.5	
9.9		3.9	51.6	
10.4		8.9	56.8	
9.4		18.9	1.3	9.0 Ga
9.2		20.4	50.2	
9.7		20.4	12.8	
10.2		22.4	12.8	
9.7		25.3	0.2	
10.0		27.9	23.8	
10.4		28.4	37.2	
9.7		42.9	12.7	
10.1		47.4	40.4	
9.8		50.9	26.9	
9.6		55.9	2.5	
10.4		56.4	46.9	
9.8	6	12.4	37.9	
10.4		16.9	30.8	
10.4		18.4	14.1	
9.8		18.4	56.0	
10.4		20.9	21.5	
9.7		34.9	13.2	
10.2		41.4	45.2	
9.3		42.9	19.2	
9.6		52.4	37.9	G
9.2		53.9	5.2	
8.6		55.9	48.1	9.0 Ga
9.9		57.4	36.7	
9.4	7	1.9	0.1	
10.4		3.4	31.7	
10.5		3.4	32.2	
10.5		12.9	34.8	
9.8		14.4	48.1	
10.5		15.9	23.3	
9.2		17.9	56.6	
10.1		23.9	15.6	
10.5		25.0	53.8	
9.8		27.4	27.6	
9.0		32.9	48.8	8.5 a
10.4		33.1	28.8	
9.8		34.9	43.1	
9.6		37.9	33.5	
10.4		38.3	31.8	
10.4		44.6	18.5	
9.8		47.3	57.1	
7.6		50.2	8.3	Gbl
9.2		50.2	35.7	8.0 Gb
10.4		51.2	53.8	
10.4		52.2	51.3	
10.0		54.2	57.2	
9.2		54.2	47.1	9.0
7.5		55.3	55.1	7.5 GWal
8.8	8	1.7	6.1	G
9.9		5.2	56.6	
10.4		8.4	49.0	
7.5		9.3	34.6	7.5 Gbl
10.4		12.2	0.4	
9.8		12.7	37.9	
10.2		13.7	13.9	
8.8		14.2	32.6	9.5
	+1	4.4	−4.4	

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3481—3540.

mag.	8h. m	s	−23° ′	
10·2	8	20·1	52·8	
10·4		20·2	10·3	
9·6		24·2	8·2	
9·6		24·7	6·5	
9·9		26·0	45·7	
9·9		26·1	26·7	
9·2		28·2	11·4	
10·4		29·9	46·3	
9·4		30·2	15·1	
9·0		42·2	11·5	Ga
9·9		42·7	5·3	
9·0		43·2	9·1	
8·4		51·7	11·7	9·0 a
9·8		55·2	38·9	
8·8		59·2	5·1	
10·0	9	0·2	50·7	
10·2		1·2	39·7	
9·6		1·2	37·7	
9·3		1·2	11·5	
10·4		1·7	33·7	
9·8		4·7	51·1	
9·0		4·7	8·3	
10·0		7·2	53·7	
10·1		8·2	24·6	
10·2		9·4	33·1	
10·2		12·7	26·3	
10·4		19·9	30·4	
10·4		21·9	16·7	
9·6		23·4	31·4	
10·4		28·9	14·0	
10·2		29·4	58·8	
10·2		31·0	59·9	
9·0		31·9	11·8	
10·4		31·9	47·9	
9·0		35·4	13·8	
10·4		36·9	53·6	
10·4		37·4	0·9	
9·0		40·4	52·6	
10·4		44·8	16·0	
9·3		44·9	3·4	
10·4		49·9	29·3	
9·2		50·9	22·0	G
10·4		55·4	19·9	
10·4		56·5	0·4	
9·2		59·4	51·9	
9·8		59·9	54·6	
7·8	10	1·4	15·3	8·0 Gal
10·2		4·4	11·9	
9·4		4·9	49·0	
10·4		8·9	45·2	
10·2		9·4	13·5	
9·4		11·9	15·3	
10·4		12·3	1·5	
10·2		15·9	3·9	
10·4		17·8	30·0	
10·1		20·7	1·9	
10·4		20·9	23·1	
10·2		22·4	52·7	
10·0		22·4	14·1	
10·4		30·9	50·1	
25pr.	+1	4·5	−4·5	

3541—3600.

mag.	8h. m	s	−23° ′	
9·6	10	31·4	35·9	
10·2		35·4	54·7	
10·4		36·4	19·1	
10·0		36·9	3·9	
10·4		36·9	6·3	
10·4		38·8	28·9	
9·8		40·4	54·9	
8·8		40·9	29·3	
9·9		41·9	52·3	
10·4		46·4	11·4	
10·4		49·9	22·9	
10·0		51·4	31·2	
9·0		54·4	35·4	
9·9		55·9	4·6	10·0
9·6		55·9	22·5	
9·4		59·4	42·1	
9·6	11	0·9	42·8	
9·2		2·4	53·1	
10·1		6·4	30·7	
9·2		11·4	46·2	
9·2		11·4	36·1	
9·9		11·4	59·4	
10·4		18·4	3·3	
10·0		20·9	39·9	
10·4		28·5	37·9	
9·3		30·4	37·9	
9·0		31·4	5·1	
10·2		32·9	53·6	
9·9		32·9	13·1	
8·8		36·4	40·2	
9·3		37·4	35·4	
9·3		40·9	12·1	
9·6		40·9	15·3	
10·4		43·9	15·3	
9·2		49·9	29·2	
9·3		50·4	43·1	
8·0		51·9	20·9	8·0 G
10·4		52·9	43·0	
10·4		57·9	29·8	
9·4		58·9	53·6	
9·2		59·4	34·0	
10·4		59·9	55·6	
9·5	12	1·9	37·2	
10·4		1·9	8·4	
9·8		3·9	16·5	
10·4		4·4	31·0	
9·6		10·4	54·9	
10·4		10·9	46·9	
9·2		12·9	26·0	
10·4		13·5	29·9	
8·2		14·9	22·8	9·0 G
10·4		17·4	21·3	
9·9		18·9	4·0	
10·2		22·4	39·6	
10·2		22·9	42·4	
10·0		25·9	17·5	
10·0		25·9	1·0	
10·4		30·8	36·0	
10·4		32·3	36·5	
9·6		32·8	22·2	
	+1	4·6	−4·6	

3601—3660.

mag.	8h. m	s	−23° ′	
10·2	12	33·8	18·0	
10·4		35·8	20·1	
9·6		35·8	22·9	
10·2		38·3	57·0	
8·6		43·3	55·2	8·5 –
10·4		48·8	29·5	
9·0		49·3	53·2	9·5
9·6		53·8	9·7	
9·3		54·3	58·6	
9·0		54·3	13·0	
10·1		55·3	46·6	
10·4	13	0·8	37·3	
10·4		1·6	16·1	
9·4		1·8	23·0	
10·0		10·8	9·8	
9·0		12·3	50·5	9·0
10·2		24·3	51·7	
9·9		29·3	20·3	
10·4		31·8	33·0	
9·8		37·3	50·7	
10·4		40·8	56·4	
10·1		42·8	1·3	
9·3		44·3	6·9	
10·0		44·6	21·3	
10·4		47·3	46·5	
10·4		48·6	59·8	
9·3		49·3	44·0	9·5
9·8		52·3	39·6	
9·8		53·3	20·0	
10·1		54·3	54·7	
8·4		54·8	24·3	7·5 Gbl
8·8	14	8·3	48·9	
9·2		9·3	34·6	
9·8		10·3	19·4	
10·4		11·3	36·5	
10·1		12·3	11·3	
10·4		12·3	11·7	
9·0		16·3	12·7	
10·4		18·9	31·3	
10·4		21·6	36·1	
8·8		21·9	30·0	
9·3		27·4	59·0	
8·6		32·4	54·4	
10·0		35·9	29·6	
10·4		39·4	27·6	
10·4		39·9	34·0	
8·1		40·4	4·2	Gbl
9·3		46·1	57·6	
8·0		49·4	23·4	8·0 bl
9·2		49·4	52·1	
10·4		50·9	54·3	
10·0		54·4	44·5	
10·4		54·9	30·0	
9·9		59·9	48·8	
9·0	15	4·4	24·1	
10·0		4·4	42·9	
10·2		4·9	30·0	
9·9		5·9	5·0	
10·4		7·9	9·3	
9·3		8·9	6·9	
	+1	4·7	−4·6	

3661—3720.

mag.	8h. m	s	−23° ′	
8·2	15	9·9	52·4	8·5
8·6		10·4	30·6	9·0
10·4		10·6	13·0	
10·2		11·4	27·3	
8·5		12·9	37·6	
9·2		14·9	25·5	
8·3		18·4	42·1	8·5
8·2		18·4	13·1	G
9·3		20·4	0·8	
10·4		24·4	39·9	
10·0		26·4	11·3	
10·4		27·6	46·2	
9·3		29·9	1·8	
10·1		31·4	7·5	
10·0		31·9	49·8	
9·0		32·4	5·8	
10·0		32·4	27·5	
9·8		32·4	45·9	
10·4		34·9	45·7	
10·2		42·4	4·4	
10·4		42·4	17·0	
9·8		44·4	20·5	
9·2		45·9	47·8	
10·0		48·9	47·5	
10·2		54·9	57·3	
10·4		57·9	14·5	
10·2	16	1·9	8·2	
10·4		5·2	1·6	
8·2		6·9	31·4	8·0 G
9·4		6·9	1·3	
9·5		8·9	7·0	
9·5		11·9	34·1	
9·8		13·9	28·6	
9·4		21·9	34·1	
9·8		27·9	20·6	
10·4		30·9	54·0	
10·1		32·4	36·2	
10·1		32·4	13·1	
8·8		36·4	35·7	
9·4		41·4	36·7	
8·4		43·4	1·1	9·0
8·8		48·9	15·3	9·0
9·2		53·4	22·8	
10·0	17	1·9	7·8	
10·4		12·9	17·6	
9·3		13·4	39·4	
9·3		15·4	27·4	
10·4		16·4	41·0	
10·0		17·4	8·5	
10·4		22·4	50·9	
9·4		25·9	25·3	
10·0		27·4	54·0	
9·5		27·9	20·4	
9·2		31·4	20·6	
10·2		31·9	21·3	
10·4		35·4	32·7	
10·2		36·4	28·5	
9·9		38·4	7·3	
10·1		38·9	9·1	
9·8		47·4	7·3	
	+1	4·7	−4·7	

3721—3780.

mag.	8h. m	s	−23° ′	
10·2	17	50·8	43·3	
10·4		51·0	26·5	
10·0		53·8	5·2	
9·8		57·8	29·5	
9·3	18	1·3	46·4	
10·4		5·8	12·9	
9·0		10·8	43·6	
10·4		11·3	55·5	
9·0		14·8	52·2	8·5
10·2		21·3	25·4	
10·4		22·3	32·7	
9·6		24·8	16·1	
10·4		26·8	48·4	
10·0		29·3	19·5	
9·9		30·8	12·3	
10·4		32·3	35·0	
9·3		32·5	2·9	
9·3		36·8	21·1	
9·6		44·3	54·0	
9·2		49·8	12·4	
10·0		52·3	12·1	
10·2		52·8	56·9	
9·0		55·2	2·0	
10·4		55·3	47·9	
9·8		58·8	12·7	
10·2		59·8	20·3	
10·4	19	0·8	8·7	
10·2		3·3	2·1	
9·2		5·3	44·1	
10·4		13·3	19·3	
9·6		21·3	10·0	
10·4		26·0	13·0	
9·8		27·3	0·9	
7·7		28·8	17·1	7·5 Gbl
9·2		29·3	16·3	
9·0		29·8	7·7	
9·8		30·8	18·2	
9·8		31·8	23·4	
10·4		32·8	5·2	
9·4		32·8	31·3	
10·4		35·3	53·8	
10·4		37·8	47·8	
7·8		40·8	38·5	6·0 GSlπ
9·5		40·8	51·1	
8·8		42·8	38·4	8·5 Gtiπ
8·8		42·8	24·6	
9·8		47·3	24·0	
10·4		48·8	26·4	
9·8		54·8	53·4	
10·4		58·8	54·5	
9·9	20	0·3	33·7	
9·4		10·3	27·9	
10·4		12·3	20·8	
10·4		12·3	17·7	
10·4		16·8	5·4	
9·4		20·8	21·9	
10·0		25·3	7·4	10·0
10·4		28·8	39·9	
9·4		32·8	17·3	
10·4		37·8	55·3	
25pr.	+ 1	4·9	−4·8	

3781—3840.

mag.	8h. m	s	−23° ′	
10·4	20	41·8	32·3	
8·6		46·3	12·0	8·5 Ga
10·4		49·3	35·3	
9·6	21	4·8	43·8	
9·9		11·8	46·0	
10·1		17·3	8·9	
9·3		19·8	4·2	
9·3		20·3	25·7	
10·4		20·8	8·7	
10·1		21·0	2·8	
10·4		21·8	9·0	
10·0		22·8	53·5	
8·6		25·3	23·9	8·0 Ga
10·2		28·3	34·8	
10·2		29·3	46·1	
9·9		33·3	1·3	
10·2		33·8	38·9	
8·8		38·8	35·8	8·5 Gb
10·4		41·8	42·9	
8·0		43·4	1·8	Gal
9·2		47·9	40·1	9·0
10·4		50·4	26·9	
10·4		51·4	14·1	
10·2		51·6	58·9	
10·4		53·9	58·6	
8·8	22	0·9	46·0	9·0 a
10·0		0·9	23·5	
10·1		3·9	41·9	
10·2		8·9	41·9	
9·8		15·9	24·0	
10·4		15·9	52·3	
9·8		16·9	48·8	
10·0		17·9	19·4	
10·4		25·9	57·7	
9·4		25·9	27·4	
10·4		33·9	22·0	
10·1		35·9	29·0	
9·6		39·4	8·0	
10·4		41·4	45·2	
9·6		41·4	16·3	
9·8		41·9	52·2	
9·2		42·4	10·6	9·5
10·4		43·9	59·8	
9·9		53·0	32·1	
10·4		57·4	51·6	
9·5	23	1·9	6·0	
9·4		2·4	9·7	
9·4		6·9	17·2	
7·6		15·9	24·9	8·0 Ga
10·4		16·4	56·9	
9·3		18·9	34·8	
9·4		20·4	21·1	a
8·8		22·4	52·0	
10·4		28·9	51·3	
9·2		30·9	25·3	9·5 a
10·4		30·9	11·0	
10·1		36·9	40·7	
10·4		40·0	45·7	
9·8		42·0	29·4	
10·2		49·5	37·9	
	+ 1	5·0	−4·9	

3841—3900.

mag.	8h. m	s	−23° ′	
9·8	23	56·0	35·1	
10·4		56·0	42·0	
10·4		57·5	41·2	
9·4		59·0	38·0	
9·8	24	3·0	55·2	
10·2		3·0	16·1	
10·4		9·5	19·2	
9·6		12·0	47·1	
10·1		19·5	20·2	
9·6		21·0	32·8	
9·9		22·0	55·0	
7·8		26·5	7·3	8·5 Ga
9·0		28·5	54·0	
9·9		32·0	12·4	
10·0		32·5	39·8	
9·0		34·0	55·8	
9·0		34·0	52·2	
9·0		39·0	25·3	
9·8		45·5	42·0	
9·9		47·5	13·1	
9·4		51·0	19·7	
9·2		56·0	20·5	
10·1		57·0	38·0	
10·1		58·0	31·1	
10·0	25	2·0	45·3	
10·2		2·1	1·6	
10·2		5·5	2·7	
9·9		9·5	25·9	
9·2		10·5	4·8	
8·8		12·0	34·8	a
10·4		13·0	58·4	
10·4		14·0	45·2	
9·8		25·0	34·1	
10·4		32·1	31·9	
10·0		32·6	13·0	
9·8		41·6	53·2	
8·6		44·6	30·0	8·0 Ga
9·3		45·4	2·8	
9·6		45·6	17·4	
10·4		46·1	58·2	
9·4		47·6	37·5	9·5
10·4		54·1	42·7	
10·2	26	6·1	28·7	
7·9		13·6	7·0	8·0 Ga
9·3		17·2	7·2	
8·8		32·1	20·2	
10·4		37·1	6·2	
10·4		54·1	19·3	
10·4	27	2·1	10·4	
10·4		2·6	23·4	
9·4		3·9	0·2	
10·4		5·6	22·7	
10·4		12·4	24·3	
10·0		13·1	39·6	
9·8		13·1	38·8	
9·6		16·1	55·7	9·5 a
10·2		17·1	20·0	
8·1		19·1	53·0	8·5 Ga
10·0		21·6	7·4	
8·6		22·6	47·4	9·5 a
	+ 1	5·1	−4·9	

3901—3960.

mag.	8h. m	s	−23° ′	
9·6	27	32·6	22·6	
9·3		32·6	38·2	G
10·1		35·3	54·3	
10·4		36·1	26·0	
10·1		36·3	55·2	
8·8		36·9	15·7	
9·0		38·1	12·0	a
10·4		46·1	58·2	
9·9		48·1	36·0	
8·3		48·7	38·3	9·0 Ga
9·8		49·2	27·1	
8·2		52·1	36·4	9·0 Ga
9·2		53·7	22·5	
10·4		54·7	5·4	
7·8		55·9	45·5	8·0 GWa
10·4	28	13·4	13·1	
10·4		15·4	6·5	
10·1		15·7	57·3	
10·4		15·9	7·3	
10·4		19·9	10·2	
10·4		22·2	35·2	
10·2		23·4	37·5	
9·6		25·2	28·0	
10·4		29·0	57·0	
9·0		32·4	16·2	
8·8		33·1	59·9	9·5
10·2		33·4	56·2	
9·9		36·6	11·1	
10·5		38·1	28·6	
10·5		41·6	7·4	
9·9		42·1	0·9	
10·2		42·6	48·0	
10·4		48·1	36·2	
9·6		49·6	17·2	
8·4		53·6	41·6	9·5 b
7·6		59·6	23·8	9·5 Ga
10·5	29	1·6	49·6	
8·9		1·6	13·7	
10·5		1·6	2·5	
9·9		2·9	2·8	
8·8		5·6	34·6	
10·4		8·1	7·8	
8·7		11·6	31·0	a
9·4		15·6	5·9	
10·5		22·2	20·7	
9·3		22·7	15·2	
9·6		24·2	6·2	
10·5		25·7	24·5	
10·5		27·2	13·9	
10·0		31·7	17·4	
8·9		33·2	48·1	a
9·8		33·2	40·5	
10·5		34·2	35·1	
8·8		41·7	50·2	
8·9		51·9	1·6	8·5 Ga
8·7	30	1·7	47·4	b
9·4		9·2	36·9	
9·8		16·2	49·0	
10·4		17·2	29·9	
8·9		26·7	47·5	Gb
	+ 1	5·3	−5·1	

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3961—4020.

mag.	8 m	s	−23° ′	
9·8	30	34·7	37·1	
9·8		35·2	36·2	
10·2		35·7	57·2	
10·4		37·2	38·5	
9·8		41·4	58·7	
9·8		43·2	39·4	
10·0		43·7	4·8	
8·9		48·7	35·4	a
8·0		50·7	9·2	8·5 Gbl
10·2		52·2	11·0	
10·0		54·7	33·3	
9·8		55·2	36·9	
10·2		55·7	32·6	
10·5	31	2·7	3·2	
9·4		11·2	32·8	
9·8		11·7	13·1	
9·8		13·9	27·2	
9·4		15·9	42·4	
10·4		21·9	30·2	
9·2		22·9	19·7	
8·7		34·4	19·9	
9·3		40·9	9·4	
10·2		42·9	27·8	
10·0		45·9	1·0	
9·3		46·4	58·6	
9·3		50·9	29·9	
8·0		54·4	52·1	8·8 Gwa
9·4		56·4	34·9	
10·2	32	4·9	12·3	
9·0		5·9	51·7	a
10·0		11·9	58·5	
8·2		13·9	26·7	8·0 Gal
9·2		16·4	18·8	9·0
9·9		19·9	27·2	
10·5		25·9	3·8	
9·9		34·4	50·8	
8·2		36·4	29·6	9·0 a
10·4		43·4	34·0	
10·0		47·4	44·4	
9·6		49·4	6·8	
10·2		57·9	48·6	
10·5	33	0·5	26·1	
10·2		10·0	46·0	
10·5		10·0	18·6	
9·3		17·5	29·3	
10·5		17·5	20·0	
8·9		27·0	10·9	
10·5		27·5	56·5	
10·4		35·5	24·1	
10·0		44·0	57·0	
8·6		54·5	21·7	9·0 a
10·2	34	16·5	18·0	
8·8		18·0	8·6	
9·2		20·5	21·8	8·5 a
9·9		20·5	11·1	
9·4		20·7	1·8	
9·0		21·0	7·1	
9·3		22·0	18·6	
8·5		23·5	22·7	9·0 a
9·2		44·0	52·7	9·0
25pr.	+1	5·4	−5·1	

4021—4080.

mag.	8h m	s	−23° ′	
10·4	34	44·0	4·0	
10·2		47·5	15·1	
9·0		55·5	20·9	9·5 Ga
10·4		58·0	58·7	
10·2		59·0	27·7	
9·8	35	0·0	15·1	
10·1		2·0	37·5	
8·5		8·0	52·6	9·5
10·4		12·0	8·6	
10·4		13·0	39·3	
8·7		17·0	40·4	a
8·0		28·0	58·5	9·0 Ga
10·5		30·5	44·0	
8·8		36·5	56·0	8·8 Ga
8·8		41·0	26·6	
9·2		50·0	13·8	
10·5		52·0	22·8	
10·4		54·5	45·4	
9·8		56·5	9·7	
8·4		57·5	49·9	8·5 Ga
10·2	36	0·5	59·8	
10·5		2·0	53·0	
10·4		3·0	52·1	
10·4		6·0	54·0	
9·2		6·0	6·3	
9·6		7·0	6·0	
10·5		9·0	23·0	
8·8		10·0	51·7	10·0
9·4		12·1	58·4	
10·4		13·5	39·6	
9·8		22·5	31·5	
9·6		28·0	3·8	
10·0		28·0	4·3	
9·8		29·0	41·5	
9·3		30·0	23·9	
9·9		34·5	35·7	
10·0		34·5	44·4	
10·5		44·0	10·1	
10·4		50·0	21·8	
10·5		51·5	53·0	
10·4		52·0	50·1	
10·2		52·0	52·0	
10·4		56·5	40·6	
10·4	37	2·0	47·4	
8·4		6·0	45·8	8·0 GWa
10·0		6·0	42·0	
7·6		21·8	59·5	8·0 Ga
10·4		23·5	28·5	
10·0		27·0	19·5	
10·4		34·5	8·8	
9·6		35·5	11·3	
10·5		36·0	12·7	
10·5		42·0	48·6	
9·5		46·0	6·6	
9·6		46·0	48·6	
10·5		56·5	25·9	
10·4	38	0·0	24·9	
8·9		3·0	52·0	
10·5		12·0	7·3	
10·5		13·0	50·7	
	+1	5·5	−5·3	

4081—4140.

mag.	8h m	s	−23° ′	
10·2	38	14·5	25·5	
9·4		15·0	41·9	
10·0		16·0	30·8	
9·3		25·0	31·5	
8·2		33·0	8·7	Ga
9·3		43·0	24·7	
8·6		51·0	47·4	9·0 Ga
10·0		56·0	59·9	
9·0		57·0	2·9	a
9·3	39	4·0	1·9	
10·4		9·0	27·4	
7·9		12·5	20·0	7·5 Gal
9·8		15·5	12·2	
9·8		20·0	35·1	
9·9		21·0	14·2	
9·9		39·5	47·5	
10·4		42·5	14·4	
10·2		44·0	40·6	
10·5		45·0	15·4	
10·5		48·5	30·8	
10·4		49·0	51·1	
8·8		49·0	41·5	a
9·9		49·0	33·3	
9·8		52·0	43·6	
9·9		54·0	39·2	
10·5		56·5	2·4	
10·5		58·0	55·0	
9·6	40	0·0	6·8	
9·6		5·0	11·1	
10·5		12·0	29·7	
10·5		22·0	13·3	
9·6		27·5	47·8	
10·2		33·5	55·8	
10·5		41·5	6·0	
10·4		45·0	9·4	
9·8		56·5	12·3	
9·4		59·0	27·7	
8·8	41	7·0	52·2	9·5 a
10·2		10·5	28·3	
10·4		19·5	46·4	
9·0		22·0	26·1	
10·2		26·5	51·2	
10·4		35·5	52·3	
9·4		41·5	22·5	
10·2		49·5	48·5	
8·4	42	0·0	44·1	8·8 a
10·4		4·0	40·6	
8·0		10·5	56·1	8·2 Gb
8·7		17·0	53·1	9·0 a
9·6		18·5	39·0	
10·2		22·0	45·9	
10·2		31·0	41·2	
9·2		32·0	55·1	9·5 a
9·3		36·0	5·9	
10·5		38·5	11·0	
9·2		39·5	46·1	
10·5		44·5	16·4	
9·3		47·0	54·8	9·5 a
9·6		47·0	48·8	
9·4		47·0	33·2	
	+1	5·7	−5·4	

4141—4200.

mag.	8h m	s	−23° ′	
10·5	42	52·5	3·8	
9·5		59·5	33·2	
9·2	43	3·0	5·3	
10·5		10·0	35·1	
10·2		12·0	24·6	
10·2		14·0	42·1	
10·5		23·5	4·8	
9·8		26·5	33·6	
9·9		27·0	29·8	
9·3		33·0	20·3	
10·5		36·0	27·7	
9·8		37·0	4·5	
9·0		53·0	21·1	
9·2	44	0·0	47·1	a
9·6		1·0	29·0	
10·4		2·5	26·9	
10·2		5·0	22·4	
9·3		11·0	27·1	
8·5		30·0	29·2	8·0 Gal
10·2		34·2	29·2	
9·8		35·4	2·9	
10·2		46·0	58·1	
9·3		46·2	2·6	
10·4		52·0	11·7	
9·4		52·0	46·9	
8·8	45	7·5	20·1	9·5
9·5		18·0	59·7	
10·0		33·0	11·9	
10·4		40·5	34·9	
9·3		42·0	29·9	
9·9		46·0	8·3	
10·4		47·0	24·1	
10·5		52·0	23·1	
10·0		56·0	27·7	
9·9	46	4·0	9·9	
9·2		11·0	9·4	
10·5		20·0	11·6	
9·3		36·5	26·2	
9·6		43·0	53·9	
10·4		52·0	41·7	
9·3		53·0	12·9	
9·2		56·0	23·8	
9·2		56·0	27·3	9·5
10·4	47	3·5	10·7	
10·5		10·0	10·2	
9·8		20·0	16·1	
9·2		22·0	48·7	
9·4		26·8	3·0	
9·9		33·4	0·1	
10·5		36·2	4·8	
10·4		38·2	16·4	
9·3		49·2	9·8	
10·5		51·2	29·8	
9·8		58·7	59·4	
10·5	48	6·2	53·0	
10·4		7·2	26·2	
10·4		7·2	52·7	
10·5		11·7	18·9	
10·0		14·2	47·3	
8·8		16·9	1·7	9·5
	+1	5·9	−5·5	

4201—4260.

mag.	8h. m	s	—23° '	
10·4	48	23·2	45·4	
9·2		27·6	49·7	
9·4		33·9	8·0	
10·5		37·2	57·7	
8·8		37·5	48·7	9·0 Ga;
10·4		38·2	59·5	
9·0		40·8	52·8	
9·6		52·3	26·9	
9·8		58·1	15·1	
7·6		59·0	3·0	Gal
9·2	49	0·6	22·4	9·0
9·5		6·1	8·5	
8·5		30·6	55·3	8·5 a
9·8		31·1	7·7	
9·6		32·3	8·8	
8·8		39·6	13·8	9·0 a
9·6		45·8	33·1	
9·1		46·4	21·2	
9·8		56·8	44·1	
9·8	50	18·1	44·0	
9·6		24·1	21·1	9·0
6·6		26·4	20·5	6·5 Gal
9·8		36·4	44·2	
9·8		36·8	9·0	
9·0	51	0·6	0·6	a
9·1		19·1	52·9	9·0
9·5		20·0	57·9	9·0
9·8		24·4	36·8	
9·8		30·2	40·0	
9·6		32·2	36·2	
9·8		39·4	6·3	
9·6		40·7	6·2	
9·8		56·0	52·3	
9·8	52	7·0	46·8	
9·8		18·0	18·1	
9·8		21·2	29·0	
9·2		33·7	12·8	9·0 a
9·8		43·2	3·2	
7·8		46·4	56·8	G–
8·4		56·0	42·6	G
7·8	53	3·7	18·7	8·0 Gal
8·8		4·2	16·7	9·5
9·2		5·0	50·2	
9·8		7·7	12·4	
9·0		13·7	7·7	9·5 a
9·8		22·9	6·9	
9·8		35·7	26·4	
9·6		49·3	0·8	a
8·3		51·4	43·0	8·5
9·0		54·2	47·3	
8·3		56·7	42·3	8·5
9·8	54	1·7	2·6	a
7·8		9·0	45·0	9·0 –
9·8		21·9	8·6	
9·8		27·0	25·1	
9·6		28·7	7·8	
9·8		32·2	15·1	
9·8		34·7	11·8	
9·6		44·7	25·9	a
9·6		46·4	59·3	
25pr.	+ 1	6·2	–5·7	

4261—4320.

mag.	8h.–9h. m	s	—23° '	
7·1	55	21·9	39·8	GSal
9·8		29·2	28·5	
9·8		37·2	59·0	
9·6		39·0	25·0	a
9·6		57·5	20·6	a
9·8	56	16·8	0·9	
8·3		27·1	15·6	8·5 Ga
9·8		45·8	46·6	
9·8		46·2	39·4	
9·8		47·8	44·0	
9·4	57	8·8	17·8	9·0 Ga
9·6		12·5	30·0	
9·6		16·5	30·0	
7·6		20·9	45·4	8·5 G–
9·8		37·7	53·3	
9·6		44·7	29·3	
9·8	58	1·9	52·6	
9·1		7·4	15·6	a
8·8		11·9	1·4	9·5
9·8		20·1	52·2	
8·0		23·4	21·2	Ga
9·4		28·4	20·2	
9·8		38·4	9·6	
7·6		42·1	44·8	7·5 Ga
9·8		52·1	48·4	
9·8	59	5·7	31·0	
9·8		26·6	46·7	
8·3		29·1	16·7	8·5 Ga
9·6		30·9	19·7	9·0 a
7·8		32·1	41·4	8·0 GWa
9·8		47·4	13·3	
9·4		53·5	1·1	
9·2		56·7	10·6	
9·6	0	0·9	46·1	
9·8		31·1	2·7	
8·4		31·1	14·6	9·0 a
9·8		46·6	17·0	
7·6		59·1	39·4	8·0 GWa
9·8	1	15·4	42·4	
9·6		26·7	37·0	
9·8	2	1·6	20·3	
8·0		2·4	31·4	9·0 W
9·8		18·8	1·5	
9·6		21·6	14·8	
9·8		30·6	21·1	
9·6		32·0	58·2	
9·0		45·2	26·9	
9·8		56·6	56·5	
9·6		57·2	42·0	
9·8	3	6·4	37·6	
9·1		7·9	22·9	9·0
8·5		16·7	13·5	9·0 a
9·8		18·7	56·5	
8·5		19·9	38·1	
9·8		24·8	24·4	
9·2		44·0	2·1	9·5 a
9·2		46·3	16·0	
9·2		48·2	57·3	
9·6		48·5	13·6	
9·8		51·0	13·6	
	+ 1	6·5	–5·9	

4321—4380.

mag.	9h. m	s	—23° '	
8·4	3	51·9	0·8	9·0 Gb
9·6	4	31·5	50·7	
9·4		37·3	39·6	a
9·6		43·0	24·1	
9·2	5	21·7	40·1	
9·5		35·8	56·8	
9·6		36·3	31·3	
9·5		38·3	37·8	
9·8		39·3	16·5	
9·8		41·3	12·4	
9·2		47·3	29·0	
9·8	6	3·0	30·0	
9·8		3·3	24·4	
9·6		4·8	42·3	
9·8		9·5	48·6	
9·8		22·8	18·4	
9·2		27·0	35·2	Wa
8·8		41·0	22·2	
9·6		47·0	8·8	
9·4		48·5	45·1	
9·2	7	0·5	40·3	b
9·0		12·4	10·2	
10·8		24·2	20·8	
10·4		35·4	11·3	
9·0		57·3	18·7	
10·8	8	4·4	59·2	
10·4		7·8	44·1	
8·8		10·2	2·8	10·0
10·8		25·9	27·8	
10·2		26·8	30·9	
10·8		28·9	36·1	
10·8		33·7	26·0	
10·8		35·9	23·8	
9·6	9	1·2	12·7	
8·8		6·9	25·9	8·5 Ga
10·4		27·4	39·7	
10·6		38·4	6·9	
10·0		42·9	12·5	
10·3		53·4	8·6	
10·3		57·9	14·3	
10·7	10	16·9	59·1	
10·8		16·9	9·5	
10·7		17·4	24·3	
9·0		23·4	56·2	
10·4		27·9	31·4	
10·0		52·9	49·9	
10·4		58·9	8·3	
10·4		59·9	45·4	
10·8	11	2·9	8·1	
9·6		6·4	41·1	
10·8		11·9	12·9	
10·6		22·9	31·3	
10·7		42·4	13·3	
8·8		48·1	59·6	9·0
10·4		48·6	1·8	
10·6		50·4	20·9	
10·8	12	1·9	9·9	
10·0		11·4	5·8	
10·6		11·9	15·1	
10·8		12·9	43·0	
	+ 1	6·9	– 6·1	

4381—4440.

mag.	9h. m	s	—23° '	
8·8	12	19·4	40·3	
10·2		25·9	22·0	
10·3		26·4	48·5	
9·8		28·9	11·5	
10·3		33·9	18·9	
9·2		35·1	59·6	
8·5		42·9	29·5	
9·5		52·9	0·1	
10·3		56·7	2·3	
10·6	13	3·9	58·4	
9·4		7·4	19·9	
10·0		7·9	54·5	
9·5		7·9	20·4	
8·6		10·9	38·0	
8·0		13·9	55·9	8·2 Gbc
10·8		16·4	40·1	
10·8		16·9	30·9	
9·2		18·9	30·0	Ga
10·7		20·9	31·9	
8·2		23·9	12·5	
10·8		44·9	59·0	
8·6		49·4	43·8	a
10·0		57·4	14·7	
10·7	14	5·9	17·9	
10·2		16·9	48·0	
10·2		19·9	44·6	
10·7		24·4	38·8	
10·2		28·4	9·0	
10·8		30·9	46·4	
10·3		31·9	5·2	
10·2		33·3	21·5	
9·6		36·4	28·3	
8·9		36·9	10·7	
10·3		36·9	41·0	
10·2		39·4	31·5	
8·4		39·9	25·2	a
9·2		44·4	0·2	
9·6		47·9	18·4	
10·8	15	1·4	3·6	
8·9		2·9	22·8	a
10·8		6·9	44·2	
8·0		13·9	34·0	8·5 Gal
9·3		14·9	23·6	
9·6		45·9	35·5	
8·0		49·9	15·3	a
10·8		58·9	32·8	
9·0	16	5·9	25·1	a
10·3		7·4	23·1	
9·0		9·9	10·2	
10·8		11·9	31·3	
9·0		13·9	36·4	9·5 G
9·0		15·9	25·6	a
7·5		16·4	36·0	8·0 Gbl
10·6		17·4	50·3	
9·3		19·9	11·1	
9·5		21·9	27·5	
10·6		23·9	47·7	
10·8		24·9	7·2	
9·2		30·9	17·6	
9·2		31·9	31·3	a
	+ 1	7·2	– 6·3	

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4441—4500.

mag.	9h. m	s	—23° ′	
9·3	16	32·9	17·8	
10·7		33·9	49·3	
9·6		35·9	25·4	
10·3		45·9	12·8	
10·7		50·4	15·5	
10·3	17	5·9	44·4	
10·7		7·4	49·6	
10·8		14·4	45·8	
9·0		15·9	22·9	a
9·6		19·4	54·9	
10·8		28·4	57·9	
10·6		30·9	49·8	
8·6		33·4	41·8	
9·5		41·9	40·2	
10·3		56·9	35·8	
9·6	18	2·9	5·2	
10·6		4·9	16·0	
8·6		7·9	38·6	
10·6		9·9	8·3	
7·5		10·9	7·4	8·0 Ga
10·8		17·9	46·2	
10·3		20·4	28·3	
9·6		22·4	31·9	
10·6		25·9	39·8	
9·6		32·8	15·0	
8·8		42·3	16·3	a
10·0		42·3	9·2	
10·3		44·8	9·8	
10·7		46·3	26·0	
10·6		48·3	32·8	
10·0		55·3	54·6	
10·7	19	0·8	38·4	
7·9		11·8	17·2	8·0 Gal
9·3		30·3	4·8	
9·2		32·3	4·9	a
9·8		46·3	6·7	
10·7		48·8	20·6	
10·0	20	3·3	46·4	
10·7		3·8	38·8	
10·6		8·8	27·0	
9·4		15·3	13·4	a
8·6		22·3	14·0	
10·8		23·3	21·4	
10·7		23·8	58·8	
8·6		26·3	26·2	
9·0		28·3	27·3	
9·8		52·8	14·4	
10·0		53·3	52·0	
6·5	21	2·8	37·7	7·0 GSal
9·6		7·3	10·8	
10·0		9·8	12·9	
10·8		14·8	7·8	
10·8		19·3	35·6	
9·3		21·3	25·7	
10·8		22·3	36·6	
10·4		22·3	59·9	
10·0		33·3	41·8	
10·4		36·3	53·4	
10·6		40·3	7·0	
10·8		45·3	32·3	
25pr.	+1	7·4	−6·4	

4501—4560.

mag.	9h. m	s	—23° ′	
10·6	21	48·8	59·7	
9·4		50·8	47·1	
10·7		50·8	34·3	
10·0		51·3	22·1	
9·8		52·8	7·4	
10·3		58·8	31·0	
9·8	22	6·3	37·6	
10·6		12·3	42·7	
8·0		19·3	8·0	8·0 a
9·6		19·3	48·3	
9·2		28·8	9·1	
9·0		32·3	20·7	
10·2		33·3	30·0	
10·7		34·8	49·1	
9·8		43·3	12·5	
8·6		49·8	32·4	a
7·8		53·3	53·6	8·5 Gb
9·2		58·3	4·5	
10·7	23	2·3	4·3	
10·6		4·3	31·7	
9·8		8·3	26·0	
8·6		9·3	30·9	b
10·0		16·3	41·4	
9·4		19·8	39·3	
9·6		23·8	16·1	
10·4		25·8	54·8	
10·0		36·3	13·9	
10·6		42·3	47·3	
10·4		42·9	2·4	
8·9		47·3	17·2	a
10·8		53·3	32·0	
10·0		56·4	0·8	
9·6	24	15·3	37·0	
9·0		19·8	7·7	
10·8		21·8	10·1	
10·7		23·3	12·0	
8·0		24·5	58·5	a
8·3		25·3	53·3	a
7·5		36·3	43·6	GSa
10·0		40·3	21·7	
9·4		42·3	10·8	
10·8		44·3	29·9	
9·0		49·8	28·4	
9·5		54·3	26·3	
10·7	25	1·3	33·5	
9·0		6·8	32·1	
10·0		10·8	43·9	
9·8		13·8	8·3	
10·0		18·3	8·0	
8·0		19·8	5·9	Ga
10·2		23·8	43·9	
9·8		32·1	0·0	
9·6		36·3	6·1	
9·8		36·3	55·6	a
10·6		39·3	26·8	
8·9		41·3	33·8	
7·9		42·3	47·6	7·5 Ga
10·0		43·8	44·0	
9·3		45·8	26·5	
9·2		48·3	19·9	
	+1	7·7	−6·5	

4561—4620.

mag.	9h. m	s	—23° ′	
10·6	25	53·3	28·6	
10·4		54·3	6·1	
10·7	26	0·8	7·1	
10·8		2·3	10·2	
10·8		3·8	52·7	
10·3		8·3	10·1	
10·6		16·3	4·9	
10·6		19·3	10·9	
10·2		19·3	30·7	
9·8		24·6	2·2	
10·2		36·8	49·9	
10·2		43·3	30·5	
9·8		45·8	47·9	
10·4	27	3·3	39·3	
10·7		6·3	23·2	
10·2		11·3	51·1	
10·7		14·8	22·1	
10·6		18·3	45·8	
7·7		19·3	14·9	8·5 Gal
8·8		23·3	34·7	9·0
8·2		33·0	35·2	8·5
10·0		36·3	4·3	
10·4		42·3	54·2	
10·8		45·3	15·0	
8·9		49·3	35·3	
9·5		50·0	39·9	
10·0	28	0·3	10·3	
10·3		2·3	43·2	
10·8		2·8	56·7	
9·2		5·3	49·5	
10·8		6·8	44·4	
10·8		7·3	7·5	
9·2		12·2	26·3	
9·4		12·5	44·0	
9·2		13·0	27·1	
10·0		25·2	31·9	
10·3		28·9	42·6	
10·3		30·2	3·1	
9·6		35·6	55·9	
10·0		41·1	7·2	
7·3		49·6	58·9	8·5 Ga
10·1		51·1	14·5	
8·4	29	5·6	38·0	9·0 G
9·1		17·6	28·4	
9·5		23·1	49·2	
10·1		29·6	40·9	
8·0		32·1	17·2	8·5 a
9·6		41·6	29·4	
9·5		45·1	19·6	
9·4		58·1	27·5	
10·0		59·1	6·8	
10·2	30	6·1	6·2	
10·2		34·6	39·9	
10·2		42·6	8·9	
8·4		51·1	40·0	a
9·2		51·6	23·0	
9·4		52·6	2·4	
9·2		55·1	54·3	
8·6	31	11·9	56·5	Wa
8·9		14·1	47·2	
	+1	7·9	−6·6	

4621—4680.

mag.	9h. m	s	—23° ′	
8·8	31	39·6	7·4	
10·0		51·1	39·1	
10·2		54·1	15·7	
9·4	32	11·1	52·5	a
9·2		23·6	22·4	
9·4		57·6	15·5	
9·0	33	2·1	51·3	Wa
9·2		21·1	26·4	
8·9		49·6	33·6	
8·4		59·9	59·2	9·0 Gb
9·5	34	8·1	20·6	
9·8		9·1	32·7	
9·6		11·1	9·6	
9·1		11·6	36·3	9·0
9·6	35	4·6	21·4	
9·4		9·1	38·8	
10·0		10·1	3·5	
7·9		15·6	35·0	8·5 Ga
9·6		21·1	48·0	
10·0		27·1	47·0	
8·6		30·6	20·8	9·0
9·6		31·1	35·9	
4·4		35·4	1·4	5·0 Gbl
9·8		43·1	59·4	
10·0		50·1	46·5	
8·9		55·1	22·8	
9·2		57·6	38·6	
9·6		57·6	9·4	
10·0	36	16·6	17·4	
7·6		20·3	42·3	a
7·7		25·8	8·3	8·0 Gal
9·6		30·8	5·6	
8·7		32·8	41·7	W
9·6		33·8	9·3	
10·3		35·3	20·2	
5·7		35·8	21·3	5·5 Gal
9·1		38·8	51·5	
9·6	37	3·3	23·3	
8·4		21·3	19·7	a
10·2		23·3	42·8	
8·7		29·3	54·6	9·0
10·2		32·3	49·3	
10·1		33·8	49·1	
9·8		38·3	50·7	
9·8		45·8	54·5	
10·2		52·3	15·5	
9·5	38	7·8	55·5	
10·0		12·3	20·6	
8·6		14·3	33·2	
8·0		55·8	0·1	8·0 al
10·3		58·8	1·6	
8·7	39	16·3	26·7	
9·4		24·8	41·2	
8·8		31·8	31·3	9·0
9·6		32·3	18·9	
10·3		34·3	21·2	
9·0		41·3	53·3	
10·2		45·4	19·4	
9·2		52·8	35·1	
8·7		56·3	25·1	
	+1	8·3	−6·8	

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4681—4740.

mag.	9h. m	s	—23° ′	
10·0	40	12·3	59·3	
9·6		16·5	50·7	
10·3		28·0	17·0	
9·2		42·0	5·4	
9·2		52·5	8·5	
9·1	41	3·0	21·4	
9·2		6·0	7·8	–
9·2		7·0	19·0	
9·0		8·5	42·2	
9·4		9·0	10·3	
10·3		10·5	54·2	
9·4		15·0	14·0	
9·0		20·0	33·8	
9·8		25·0	19·0	
10·3		29·0	38·4	
10·0		36·5	4·6	
9·2		45·5	10·4	
9·6	42	0·0	15·8	
9·4		0·5	35·4	
10·3		18·7	39·9	
9·5		24·0	40·8	
10·0		24·0	49·0	
9·5		25·5	29·1	
10·3		31·7	33·6	
10·1		40·5	42·2	
9·6		47·0	12·2	
9·6	43	2·0	11·2	
9·6		3·0	48·4	
10·0		3·0	41·2	
9·6		3·5	19·4	
8·7		6·0	4·2	
8·4		14·0	43·3	a
9·4		31·5	41·2	
9·6		31·5	42·1	
9·2		53·5	4·6	
10·3		56·7	44·4	,
10·1	44	5·5	38·4	
9·5		12·5	3·0	
8·6		14·0	47·0	8·5 a
9·0		23·8	59·9	
8·0		28·5	54·4	8·5 a
9·6		31·5	3·4	
10·0		53·8	1·3	
10·3	45	4·1	52·5	
10·3		7·0	22·6	
9·4		23·1	41·5	
9·5		32·6	35·8	
9·6		40·6	6·2	
10·2		51·1	15·6	
10·0		51·1	10·4	
9·4	46	14·1	35·6	
8·2		14·6	38·2	8·5 Ga
9·6		17·0	57·1	
10·1		17·0	16·7	
8·4		29·6	20·4	8·5
10·2		41·0	39·0	
8·4		42·6	10·8	8·5
10·3		43·6	54·2	
8·2		49·6	8·4	8·0 Gbl
10·3		59·1	32·5	
25pr.	+1	8·6	−6·9	

4741—4800.

mag.	9h. m	s	—23° ′	
9·5	47	20·6	28·5	
8·9		25·1	49·5	
10·3		25·8	59·4	
8·2		29·2	5·8	8·0 Gal
10·2		37·1	55·1	
9·1		37·6	44·9	
8·6		46·2	31·2	8·5 Gal
9·6		46·6	12·3	
9·2	48	11·8	5·6	
10·4		12·8	33·3	
10·0		13·0	24·2	
9·4		20·3	16·0	
10·2		57·1	24·0	
9·4	49	19·3	26·3	
10·2		55·3	20·1	
7·6	50	45·8	30·3	bl
10·4		53·8	13·9	
8·4		55·8	4·9	a
10·2		56·8	0·4	
9·7	51	14·4	59·4	
10·4		35·8	20·6	
9·5		51·3	17·0	
10·4	52	1·3	4·5	
9·0		22·8	15·0	9·0 a
9·4		22·8	59·2	
9·6		35·3	17·2	
9·5		48·3	3·8	
7·6		49·8	44·4	8·0 Gb
9·8		55·8	48·5	
10·0	53	2·3	14·3	
10·0		2·8	40·4	
9·1		12·8	8·5	9·0
10·0		18·8	48·3	
6·1		20·3	21·2	6·2 Gal
9·4		23·3	41·6	
8·5		41·3	0·4	9·0
9·5		45·8	50·4	
10·4	54	13·8	54·7	
8·3		18·8	54·3	9·0 a
10·0		50·3	0·2	
10·0	55	9·8	0·2	
10·2		11·3	35·6	
9·7		30·3	37·0	
7·7		56·8	12·3	7·0 Gal
9·6	56	2·8	27·6	
9·5		7·3	3·6	
9·8		13·8	52·5	
9·4		14·8	54·5	
9·7		17·3	30·4	
9·6		24·3	49·0	
10·2		36·8	23·4	
9·0		45·8	27·9	
10·0		47·3	32·5	
10·4		47·3	40·6	
9·5		48·8	56·3	
9·0		51·8	24·9	
8·8	57	14·3	50·2	
10·0		14·8	13·0	
9·5		25·3	39·6	
10·4		26·8	24·9	
	+1	9·1	−7·1	

4801—4860.

mag.	9h.–10h. m	s	—23° ′	
10·4	58	5·8	51·2	
9·7		8·3	4·9	
10·0		16·8	34·4	
8·5		25·8	30·7	8·0 G=
9·2		31·3	52·0	
6·4		34·3	40·9	6·0 GSa
9·0		38·3	19·3	
9·0		53·3	24·9	9·0
9·6		53·3	21·9	
9·5		55·3	55·4	
10·4	59	14·3	31·3	
9·8		23·8	25·0	
10·0		27·3	59·5	
10·0		28·6	1·2	
10·4		40·8	26·5	
10·4		42·3	20·3	
10·4		47·8	59·8	
10·2		48·3	59·0	
8·0		53·8	33·8	8·5 a
10·0	0	1·3	4·6	
9·1		16·8	21·1	a
10·0		29·3	19·3	
9·1		33·3	29·9	
9·7	1	9·8	27·6	
9·8		10·8	11·5	
9·5		11·9	59·2	9·0
10·4		17·3	1·7	
10·4		49·4	57·6	
8·4	2	3·8	46·3	–
8·4		5·3	26·7	Wa
10·2		5·3	7·3	
9·6		6·3	27·3	
9·4		11·3	36·4	
9·7		30·3	2·0	
10·4		31·8	55·3	
9·4		31·8	18·1	
9·4		37·3	35·9	
9·8		40·8	13·5	
9·0		42·3	2·5	
9·7		43·8	7·9	
9·0	3	5·8	51·5	a
9·6		9·8	26·5	
9·0		21·8	18·3	–
10·4		29·5	0·5	
9·8		42·3	41·0	
9·0		50·3	36·2	
8·5		52·3	16·3	–
10·4		52·8	44·9	
9·6	4	2·3	26·2	
8·8		5·3	21·2	
10·2		7·3	24·0	
10·4		13·8	35·8	
9·0		17·3	2·3	a
9·8		23·8	15·1	
8·8		26·8	4·6	a
10·0		26·8	51·9	
10·2		36·2	0·2	
9·6		48·3	43·2	
10·2		52·8	56·6	
10·4	5	3·7	17·5	
	+1	9·6	−7·3	

4861—4920.

mag.	10h. m	s	—23° ′	
10·4	5	5·7	9·8	
8·8		9·8	14·9	
8·8		37·8	16·1	
9·7		38·8	5·5	
10·0		51·8	50·4	
9·6	6	3·4	57·1	
10·4		7·3	5·8	
9·2		26·8	29·2	–
9·4		40·8	0·0	
9·0	7	0·3	12·2	
9·1		6·3	44·3	
8·8	8	0·0	37·5	–
9·5		8·0	23·8	
9·8		16·3	44·1	
10·4		16·8	23·5	
7·8		18·0	11·7	7·0 GWal
10·3		30·5	43·9	
8·8		55·2	57·7	a
10·0	9	10·7	27·0	
10·2		47·2	49·4	
9·3		47·2	21·5	
9·7		51·7	20·5	
9·0		53·2	6·4	
10·3	10	11·7	20·9	
9·8		54·7	7·6	
9·0	11	22·7	34·2	
7·9		41·7	15·1	7·5 Gal
9·0		43·0	5·0	
9·6	12	6·5	55·2	
10·1		22·0	4·8	
8·8		28·0	6·3	9·0 a
9·6		32·5	20·0	
10·1 †	13	32·0	55·1	
10·2		45·8	58·2	
9·4	14	18·5	45·5	
8·8		19·0	8·0	9·0 –
10·3		20·5	36·0	
9·0		40·5	1·1	9·5 G
8·0		41·2	0·8	8·0 GW=
10·0		55·5	28·1	
9·2	15	1·5	23·8	
10·1		28·5	35·5	
7·0		36·0	5·0	6·5 GWbl
10·3		49·5	16·3	
9·4		53·0	5·4	
7·7		59·5	48·3	8·0 Ga
10·3		59·8	56·2	
9·0	16	10·5	47·2	
9·6		17·5	34·7	
10·3		35·5	54·5	
8·7		48·5	12·1	9·0
8·8		49·0	8·7	9·0
8·8		49·5	29·5	
9·6		52·5	20·2	
10·0	17	2·5	40·2	
6·9		6·5	42·1	7·0 GSal
10·2		31·0	3·2	
10·1		43·5	31·3	
10·1	18	2·5	19·7	
8·9		19·0	48·3	
	+1	10·2	−7·4	

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4921—4980.

mag.	10h. m	s	—23° ′	
7·4	18	24·0	58·6	7·5 Ga
10·3		25·5	1·9	
10·2		29·2	13·5	
10·3		30·0	43·9	
10·2		36·5	29·5	
9·0		37·0	6·0	
10·3		45·2	35·8	
9·6		53·0	28·4	
10·3	19	20·5	17·5	
9·4		41·5	4·0	
10·3		49·5	26·2	
9·2	20	38·5	24·7	
10·2		41·5	11·3	
9·4		43·5	14·0	
9·4	21	7·0	50·0	
9·6		21·5	32·8	
8·4		25·5	8·8	8·5 a
10·2		37·5	28·2	
8·5		46·5	25·8	
8·8		53·5	48·4	–
8·6		56·5	14·1	9·0 a
9·6	22	6·3	59·4	
9·4		24·0	37·8	
8·6		43·5	45·4	9·0 –
8·9		48·0	7·5	a
8·2		49·5	47·6	8·5
9·4	23	3·0	57·2	
10·2		8·5	52·1	
9·2		22·0	38·4	
9·0		32·1	3·0	a
9·2		45·5	46·9	
10·0		46·0	51·0	
10·0	24	6·5	27·8	
10·2		6·5	35·0	
10·1		22·5	17·8	
8·1		30·0	12·7	–
8·5		51·5	5·3	–
8·5		56·5	17·9	
10·3	25	6·0	10·9	
7·8		10·0	32·3	8·5 b–l
8·8		21·5	19·4	
8·8		37·1	2·1	
9·4		45·5	34·9	
8·8		46·5	4·5	
9·7		46·5	16·7	
10·0		56·5	50·9	
8·8	26	3·0	54·7	8·8 a
9·0		7·0	4·2	G
10·1		21·5	23·3	
8·4		26·5	53·7	8·5 Ga
10·0		45·5	38·9	
8·9		53·5	40·7	a
10·0?	27	50·2	58·4	
7·6	28	4·5	6·1	GSl πβ
7·9		17·5	39·3	8·0=
9·4		33·5	22·5	
9·4	29	1·5	33·5	
9·4		14·8	19·0	
9·7		27·2	36·1	
10·3		37·7	11·6	?
25pr.	+ 1	10·9	−7·6	

4981—5040.

mag.	10h. m	s	—23° ′	
10·1	30	14·7	2·1	
9·8		21·2	28·9	
10·0		25·2	40·9	
9·2		27·2	55·1	a
10·2		57·2	12·8	
10·4	31	7·5	54·5	
9·0		10·7	14·5	=
9·0		17·7	34·9	
10·2		46·7	40·6	
8·8	32	36·2	53·2	8·5 a
9·0		40·2	23·4	
9·0	33	16·2	47·8	a
8·6		43·0	1·9	9·0–
9·4	34	56·0	53·3	=
9·6	35	10·0	58·6	
9·2		13·0	36·5	
9·8	36	32·0	9·8	
9·9		44·5	50·6	
10·4		54·0	15·5	
10·4	37	15·0	45·7	
9·6		43·0	28·0	
10·0		50·5	16·1	
9·2	38	2·0	39·5	
10·4		27·0	27·9	
7·9		29·0	19·7	7·0 GWal
9·2	39	1·5	55·7	a
9·8		24·3	17·1	
10·2	40	8·3	2·6	
10·2		14·8	21·3	
10·4		18·3	47·9	
9·4		38·8	35·3	
9·2		38·8	55·5	8·5 =
9·2	41	2·8	38·5	
7·9		9·8	53·4	8·2 G=
9·3	42	12·8	13·5	
9·9		30·3	47·5	
9·6		36·8	10·5	
9·2	43	8·3	46·9	
9·9		32·8	12·5	
9·9	44	7·2	15·5	
8·6	45	20·0	1·7	≡
9·9		34·5	7·0	
8·6		58·7	42·5	8·5 GWa
10·2	46	42·2	38·1	
8·2	47	44·4	40·1	8·0 W–
8·8		48·4	26·3	–
8·7		55·7	3·5	
9·3	48	41·7	31·6	
9·6	49	19·7	8·9	
8·9		28·7	21·4	–
8·3		59·2	22·5	Ga
9·3	50	49·7	20·7	
9·3	51	26·0	16·2	–
8·6		45·2	22·2	8·5 Ga
9·6	52	27·1	59·8	
8·4		30·1	52·6	8·2 Ga
8·3		31·1	31·9	8·0 GWa
9·8	55	3·6	43·0	
9·3		31·6	11·3	
9·6		40·1	42·8	
	+ 1	11·8	−7·9	

5041—5100.

mag.	10h.–11h. m	s	—23° ′	
9·3	55	54·1	55·5	
9·4	56	2·1	21·3	
9·3		32·6	36·5	
9·6		50·1	56·0	
8·4		50·6	18·9	8·5 Ga
8·6	57	19·1	6·6	a
9·3		40·1	56·6	
9·0	58	42·1	54·0	
9·1	59	4·1	54·6	
9·4		14·1	36·4	
9·0		32·6	19·4	
9·1		57·6	48·1	
9·8		59·1	12·6	
9·6	0	33·1	48·9	
9·5		33·1	52·0	
8·2		51·6	28·4	8·0 Ga
9·8	1	32·8	0·0	
8·9		44·1	7·4	9·5
8·4		51·6	10·9	8·5 Ga
9·0		58·6	55·6	
9·6	2	0·1	5·5	
8·8		19·6	51·5	9·0 =
9·0	3	10·6	1·2	
9·8		24·1	36·5	
9·6		41·1	42·2	
9·3	5	12·1	43·7	
8·7	6	39·1	8·5	–
9·3		43·1	10·4	–
9·8	7	13·1	4·2	
9·1		21·6	43·9	–
9·6		27·6	5·8	
9·8	8	24·9	14·4	
9·4		46·7	49·1	–
9·8	9	6·5	42·3	
9·8		6·8	14·1	
9·1		12·1	52·1	9·0 –
9·6		18·8	50·7	
9·8		19·7	46·6	
9·1		51·7	37·8	
9·4		53·5	23·9	
9·1	10	12·6	57·2	
8·2		13·0	22·0	8·5 a
9·7		21·7	44·5	
9·7		29·3	48·9	
9·1		42·7	51·0	
9·8	11	3·8	43·2	
8·6		13·0	41·9	8·5 ≡
9·4		23·5	7·9	
9·8		28·3	22·3	
9·5		31·7	9·6	
9·4		39·3	10·5	
8·0		39·3	17·4	8·5 Ga
9·2		54·0	32·5	
9·7	12	21·7	23·7	
7·1		27·5	39·5	7·0 GSbl
9·2		55·0	13·6	a
9·8	13	12·7	50·2	
9·8		51·7	39·3	
9·8	14	3·0	33·3	
8·4		8·4	2·5	8·5 GMa
	+ 1	13·4	− 8·1	

5101—5160.

mag.	11h. m	s	—23° ′	
9·8	14	9·7	11·3	
9·4		39·7	27·2	
9·8		47·7	31·7	
9·8	15	3·3	18·3	
9·8		11·0	32·9	
9·8		14·9	1·7	
8·0		16·3	18·4	8·0 GMa
9·5		22·0	33·3	
9·8		38·4	1·7	
8·0		39·4	30·2	8·5 a
9·0		46·9	31·1	
9·8	16	9·8	26·6	
9·8		17·4	47·7	
7·6		23·9	2·8	8·5 MWa
9·8		33·1	10·5	
9·5		35·6	6·3	
9·8		39·4	51·9	
9·2		40·6	14·0	
8·6		57·9	52·1	–
7·6	17	7·7	1·4	8·0 GWbl
9·5		45·8	4·4	
9·5		46·6	13·6	
9·8	18	15·6	36·5	
9·8		26·4	49·2	
8·6		29·8	48·0	8·5 M=
9·6		36·4	48·2	
9·2		41·8	37·5	
9·7		47·4	56·8	
9·8		50·6	0·2	
9·5		51·4	23·4	
9·5		59·8	9·1	
9·5	19	2·1	41·3	
9·8		11·6	42·8	
9·4		21·5	0·3	
9·8		36·8	21·5	
8·8		51·8	32·3	a
9·7		55·1	29·2	
9·8	20	3·2	59·8	
9·0		4·4	3·3	–
9·2		8·5	6·5	
9·8		21·0	22·3	
9·6		21·7	14·0	
9·4		43·5	18·5	
9·8		46·8	4·2	
9·8		56·7	0·4	
9·8		58·0	53·4	
9·8	21	3·6	47·3	
8·8		8·6	7·8	Wa
8·2		8·8	28·9	8·0 Gal
9·5		10·2	56·5	
8·0		16·8	23·9	8·0 Gal
9·6		17·3	22·1	
9·0		23·4	1·5	
9·6		49·3	16·5	
9·7		56·6	53·0	
9·7	22	6·7	1·0	
7·9		10·0	8·2	GMWal
9·8		18·9	43·6	
9·8		23·8	12·1	
9·8		26·8	48·2	
	+ 1	14·2	−8·2	

5161—5220.

mag.	11h. m	s	−23° ′	
9·7	22	27·3	16·8	
9·4		29·8	7·5	a
9·0		58·3	53·3	a
9·6	23	2·5	9·1	
9·8		5·1	12·5	
9·5		14·6	6·9	
6·3		25·8	46·6	6·0 GSb−
8·4		37·0	47·7	9·0 Ma
9·8	24	10·3	18·9	
9·1		49·8	5·4	b
8·4	25	10·8	36·3	=
9·4		18·6	46·7	
9·7		18·6	18·2	
9·8		20·5	42·5	
8·6		34·3	51·0	8·8 Ga
9·8		38·0	49·6	
9·8		38·7	11·6	
9·8		48·7	35·2	
9·8		49·9	43·2	
9·7		59·7	9·3	
9·2	26	5·2	51·7	
9·8		6·9	1·3	
8·2		34·5	13·5	8·5 Ga
9·4		37·4	54·1	
8·8		47·2	13·0	8·5 Ga
9·8	27	3·0	45·4	
9·8		23·7	28·2	
9·6		35·1	59·7	
9·8		40·7	40·1	
9·6		47·6	46·1	
9·7		52·8	33·7	
9·4	28	4·7	52·7	
8·7		13·5	1·3	M−
9·5		13·8	12·3	
9·8		45·7	46·7	
9·8		58·7	58·0	
8·4	29	4·9	8·6	M−
10·0		9·8	16·6	
8·6		10·1	52·8	Ma
10·0		23·3	14·6	
9·2		38·1	8·9	
8·8		50·8	59·2	a
9·3		51·5	47·9	
9·6	30	0·1	20·3	
10·0		2·8	6·1	
9·6		12·3	31·8	
7·5		30·8	44·8	7·5 GSal
10·0		32·2	0·9	
10·0	31	1·8	2·3	
9·8		20·8	36·7	
10·0	32	3·8	47·3	
10·0		4·8	48·2	
10·0		10·3	34·8	
9·6		10·5	55·9	
9·2		21·5	9·0	Ma
10·0		25·8	53·0	
9·8		29·1	45·6	
8·6		48·1	36·7	GMa
10·0	33	12·3	53·9	
9·9		23·8	20·2	
25pr.	+1	14·8	−8·3	

5221—5280.

mag.	11h. m	s	−23° ′	
9·4	33	26·5	28·0	a
10·0		47·1	12·3	
10·0	34	3·3	47·3	
9·9		21·3	52·1	
9·9		30·5	28·2	
10·0		50·7	58·0	
9·2		56·3	39·6	8·8 a
9·3	35	2·5	23·1	Ma
10·0		31·8	53·3	
9·2		39·3	10·2	
7·0		40·8	41·5	7·0 GSal
9·8		43·8	3·7	
9·8	36	8·1	18·5	
9·9		10·8	28·9	
10·0		13·3	15·9	
9·8	37	3·8	12·2	
10·0		11·6	2·4	
8·3		18·8	31·2	8·5 Ma
9·4		38·8	50·3	a
9·6		43·8	30·6	
9·6		48·1	36·1	
9·6		52·5	31·0	
9·4	38	0·3	3·5	
9·6		17·8	19·4	
9·6		31·8	4·7	
10·0		35·4	4·2	
9·0		52·4	46·9	8·5 GMa
9·4	39	1·1	41·3	9·0 a
10·0		38·7	47·1	
10·0		40·8	29·8	
10·0		59·4	46·5	
10·0	40	1·1	13·1	
10·0		7·2	45·2	
8·2		10·7	47·4	7·4 Ga
8·9		33·9	14·6	9·0
9·9		36·7	44·9	
10·0		42·1	18·2	
10·0		43·9	10·5	
10·0		52·1	11·7	
9·8	41	3·7	49·0	
10·0		13·0	4·6	
9·8		18·8	8·2	
9·6		27·5	39·0	
10·0		29·3	28·8	
10·0		32·5	0·2	
10·0		38·5	33·8	
9·8		52·5	7·3	
10·0		58·0	19·2	
10·0		59·7	1·1	
9·6	42	6·5	27·9	
10·0		7·5	26·3	
9·9		10·5	18·1	
10·0		17·0	23·9	
9·8		20·5	47·9	
9·5		22·5	38·4	
9·6		22·5	10·7	
9·6		44·5	29·9	
10·0	43	1·0	40·4	
9·6		2·0	49·2	
9·6		4·8	59·5	
	+1	15·5	−8·3	

5281—5340.

mag.	11h. m	s	−23° ′	
10·0	43	10·5	26·8	
9·6		10·5	18·8	
10·0		13·2	20·6	
9·8		41·2	27·7	
10·0	44	10·5	10·0	
9·9		27·2	39·0	
10·0		29·9	41·3	
10·0		30·3	0·3	
9·6		43·4	52·6	
10·0		49·5	22·9	
9·8		53·0	28·3	
9·4		55·1	36·2	9·5 M−
9·6		55·1	45·0	
9·9	45	0·4	13·1	
8·1		6·9	9·1	8·0 Gal
9·1		10·8	7·0	9·0 a
9·5		20·9	9·0	
10·0		27·7	2·9	
8·7		31·1	11·6	8·8 a
9·6		40·4	28·9	
9·9		50·4	20·9	
10·0		59·4	15·2	
9·3	46	12·0	21·7	
9·8		13·7	13·3	
10·0		17·1	41·6	
9·8		21·7	27·3	
10·0		22·0	19·4	
8·4		28·7	47·0	8·2 Ga
10·0		35·2	20·0	
9·2		40·7	41·4	
8·1	47	0·0	53·6	8·5 GMa
9·9		0·3	35·5	
10·0		6·2	45·8	
10·0		10·7	3·7	
9·5		13·2	18·6	
9·3		15·7	12·8	a
8·8		31·7	45·9	8·5 Ga
10·0		31·7	36·9	
9·6		33·2	27·0	
9·5		40·7	53·3	
10·0		50·2	22·9	
9·6		55·5	39·0	
9·4	48	4·5	33·0	
10·0		49·7	15·1	
9·5		59·4	12·9	
9·6	49	0·7	28·2	
9·4		9·0	40·0	
10·0		12·7	16·4	
10·0		22·5	40·3	
10·0		27·2	0·1	
9·4		29·5	3·0	
10·0		48·7	14·0	
10·0		52·5	57·6	
10·0	50	7·0	6·6	
10·0	51	2·0	30·7	
8·0		11·0	58·6	8·2 Ga
9·9		13·9	53·1	
9·4		22·7	0·1	
9·7		25·2	41·9	
10·0		30·2	40·3	
	+1	16·0	−8·3	

5341—5400.

mag.	11h.–12h. m	s	−23° ′	
7·6	51	34·2	48·5	8·2 GMa
8·4		49·9	13·5	8·0 G=
9·9		56·2	57·9	
10·0		57·2	38·4	
9·2		58·9	38·3	a
9·2	52	6·7	8·2	10·0
10·0	53	14·5	47·3	
9·7		38·9	30·7	
10·0		48·9	21·5	
9·9		58·5	17·1	
9·4		58·5	9·3	a
10·0		59·9	44·4	
9·9	54	1·8	59·8	
7·2		5·9	45·8	*8·0 a*
10·0		10·8	45·3	
9·4		53·6	13·6	9·5 Ga
9·8	55	17·6	25·8	
10·0		29·2	14·5	
10·0		29·2	5·4	
9·9		34·8	10·5	
10·0		35·5	15·3	
10·0		42·2	48·6	
9·4		50·2	4·1	8·5 a
9·6	56	0·2	39·2	
8·3		6·0	21·8	8·5 M=
9·6		14·7	54·7	
9·5		42·0	19·0	
9·4		59·2	24·4	
9·8	57	4·2	52·8	
9·0		25·7	42·9	9·0 a
10·0		26·5	58·9	
10·0		26·5	3·9	
10·0		29·3	46·1	
10·0		35·0	14·2	
9·5		41·3	36·3	10·0
10·0		52·6	33·9	
9·4	58	4·5	2·3	
10·0		6·3	3·9	
9·6		7·8	47·5	
9·9		22·8	44·5	
9·0		40·0	25·2	9·0 a
9·4		43·5	43·0	
9·2	59	23·5	5·2	8·5 Ga
10·0		31·5	0·7	
9·9		32·8	8·1	
10·0		46·5	45·3	
9·0		51·3	18·2	9·0 −
9·6	0	14·8	0·3	
10·0		24·8	24·0	
10·0		32·8	38·6	
7·4		37·3	4·3	GStlπ
9·0		39·3	20·7	9·0 a
10·0		59·8	31·6	
8·6	1	3·1	26·7	8·0 a
7·5		12·3	16·3	7·0 GWal
9·9		15·1	52·9	
10·0		19·4	0·7	
9·5		23·1	27·0	9·0
8·0		39·3	48·8	8·0 M=
10·0		41·3	22·3	
	+1	16·6	−8·4	

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5401—5460.

mag.	12h. m s	—23° ′	
9·7	1 44·5	31·7	
9·2	45·3	38·9	
9·6	2 24·3	55·2	
9·4	36·8	9·4	
10·0	51·3	21·1	
8·4	55·8	5·5	8·8 Ga
9·5	58·5	5·2	9·5
10·0	3 14·5	19·4	
9·9	36·1	19·5	
9·5	40·8	41·2	
9·2	40·8	43·8	9·0 a
9·9	50·3	57·2	
10·0	50·5	42·2	
9·9	4 30·3	40·8	
10·0	37·5	15·1	
9·5	42·5	33·5	
8·8	5 10·3	4·4	a
8·8	15·1	16·0	8·5
10·0	40·3	1·2	
10·0	46·1	12·3	
9·9	49·3	3·2	
9·5	51·5	22·7	
9·6	58·8	7·1	
9·9	6 6·8	25·7	
10·0	9·3	16·1	
9·0	28·5	48·3	9·0 =
9·7	29·3	57·9	
10·0	44·5	13·9	
9·5	51·3	49·3	
9·6	7 1·5	45·1	
9·2	18·5	33·1	
9·9	20·8	6·9	
10·0	41·3	11·5	
10·0	49·3	7·9	
9·5	49·3	20·9	—
10·0	52·0	24·5	
9·9	8 0·8	22·4	
10·0	13·0	18·9	
10·0	15·8	35·4	
8·7	59·2	5·5	a
9·2	9 22·0	8·9	9·5 a
9·5	23·7	52·1	
8·9	38·8	25·0	a
9·8	58·2	35·5	
10·0	10 34·2	37·0	
10·0	49·2	18·1	
10·0	59·2	35·6	
9·7	11 1·7	3·8	
9·6	5·0	50·6	
9·6	5·8	19·3	9·2
9·9	13·5	52·1	
9·6	16·2	17·9	
7·4	28·2	19·0	7·0 GWal
10·0	49·5	48·2	
9·4	12 2·5	1·1	
9·0	9·2	26·1	8·5 Ga
9·8	26·5	41·3	
9·0	37·8	1·6	—
10·0	45·5	40·8	
10·0	50·0	21·9	
pr.	+ 1 17·2	−8·4	

5461—5520.

mag.	12h. m s	—23° ′	
9·7	12 52·0	10·3	
10·0	52·8	56·3	
8·9	13 1·7	18·7	9·5
9·5	12·2	2·1	
9·5	50·1	0·6	
9·6	51·0	29·9	
9·7	59·7	34·1	
9·2	14 0·7	56·9	9·5 a
10·0	5·1	14·4	
9·6	8·1	42·8	
9·0	22·1	3·7	
9·7	29·3	16·3	
9·2	37·3	19·4	
8·6	15 1·8	31·6	9·0 a
9·8	19·1	8·6	
9·8	31·5	46·2	
9·6	36·8	39·4	
9·4	37·6	2·8	
9·6	41·5	31·9	
9·9	51·1	23·8	
7·4	58·1	32·4	7·5 GWal
9·2	16 12·8	23·7	G
10·0	17·8	52·2	
9·6	21·8	37·8	
9·6	27·8	41·7	
9·0	32·2	31·8	a
9·6	34·8	31·3	
10·0	39·1	23·5	
9·9	52·1	50·2	
10·0	52·5	28·8	
10·0	57·6	2·5	
9·8	17 3·8	8·1	
10·0	6·3	20·0	
8·3	36·6	33·0	8·5 Wa
9·2	40·8	50·3	a
9·1	18 19·1	8·6	8·5 a
9·8	23·5	38·5	
9·6	28·1	46·0	
9·9	39·3	18·2	
8·7	47·1	41·9	8·0 Ga
9·5	19 1·8	52·2	
10·0	16·8	44·4	
9·5	19·1	4·7	
9·4	20·3	40·6	
10·0	39·1	12·7	
8·1	49·1	34·7	8·0 GMΞ
9·5	20 30·5	46·2	
9·8	53·8	11·9	
10·0	21 38·8	53·2	
10·0	22 47·1	14·9	
9·4	49·8	29·5	
9·9	23 4·1	27·7	
9·4	20·3	6·8	
10·0	24·8	45·9	
9·8	27·3	4·1	
7·3	45·5	0·3	6·0 GWtπ
9·8	56·8	51·8	
10·0	24 19·5	55·1	
9·9	19·8	11·7	
9·6	25 0·8	9·5	
	+ 1 17·9	−8·3	

5521—5580.

mag.	12h. m s	—23° ′	
9·9	25 11·5	40·0	
9·8	15·4	41·6	
9·6	33·3	15·0	
9·1	39·8	38·9	9·0 a
9·4	59·3	11·9	9·0 a
7·4	26 3·3	30·5	7·5 GMal
9·9	23·0	35·1	
9·6	29·5	41·2	
9·8	36·3	19·8	
9·5	40·8	28·2	
9·9	27 9·1	53·1	
9·8	35·3	52·8	
8·6	40·8	35·8	8·5 MΞ
9·4	44·8	23·9	
8·3	59·7	26·9	8·8 G
10·0	28 5·7	22·5	
9·2	13·7	35·2	8·8
10·0	29·5	14·5	
9·6	29 7·4	15·0	
9·2	20·2	8·8	9·0 a
9·4	23·4	59·3	
9·8	31·9	42·9	
10·0	33·9	4·7	
9·8	41·0	17·5	
10·0	59·9	7·8	
10·0	30 1·2	49·8	
8·0	21·2	27·6	7·8 Ga
9·9	22·2	20·4	
9·9	47·5	48·1	
9·4	52·5	17·1	
9·1	31 1·9	17·8	
9·4	8·0	43·0	9·5
9·4	31·7	29·9	
10·0	37·5	50·4	
9·4	43·9	16·3	a
9·9	49·5	1·5	
9·8	58·2	26·7	
10·0	32 8·9	22·7	
9·6	19·2	38·9	
9·2	42·2	21·2	
9·9	44·7	10·7	
10·0	47·2	38·6	
9·0	54·3	20·6	9·5 —
7·8	33 0·0	7·4	8·0 Gal
9·5	23·0	36·2	
9·9	58·8	28·8	
9·8	34 12·3	37·8	
9·6	13·5	38·5	
9·8	14·0	6·8	
10·0	49·0	49·4	
10·0	56·3	14·0	
8·6	35 6·3	11·0	8·5 Ga
9·4	17·0	0·3	
10·0	19·1	16·4	
9·7	42·6	11·6	
8·2	58·6	55·7	9·0 a
9·4	36 3·3	33·4	
9·8	9·0	14·6	
9·0	13·6	43·2	a
9·5	24·8	49·9	
	+ 1 18·8	−8·3	

5581—5640.

mag.	12h. m s	—23° ′	
9·8	36 27·8	50·8	
8·4	29·3	9·4	8·5 b–l
10·0	32·3	39·8	
10·0	42·0	26·0	
9·8	50·0	27·3	
9·6	37 1·3	13·2	
9·6	2·6	28·4	
8·8	10·0	10·0	9·5
9·0	12·0	36·0	8·5 Ga
9·4	32·6	26·3	9·5 a
9·4	53·3	0·1	
9·2	38 9·0	21·9	
9·7	13·0	44·2	
9·5	15·3	10·2	
9·7	39 0·8	17·6	
8·8	5·2	51·1	8·0 Ga
10·0	10·7	29·7	
9·8	17·2	52·2	
9·4	17·9	44·0	
9·9	20·9	8·6	
10·0	28·4	57·0	
10·0	31·9	25·0	
10·0	32·8	5·6	
9·9	47·4	34·6	
10·0	50·2	27·0	
9·8	56·2	11·8	
10·0	40 5·4	53·6	
9·8	18·9	51·9	
9·8	38·2	36·2	
10·0	40·3	0·3	
9·6	44·4	50·2	
9·8	46·2	54·1	
9·4	51·6	55·9	
10·0	41 27·4	21·7	
10·0	31·2	11·3	
10·0	32·2	22·7	
9·8	32·6	57·9	
9·9	48·2	59·4	
10·0	52·2	44·8	
10·0	53·9	6·6	
10·0	55·6	5·6	
10·0	42 7·1	2·8	
9·6	8·9	33·6	
10·0	17·2	31·0	
10·0	17·8	2·9	
9·4	55·2	37·8	
8·6	43 0·6	43·8	8·0 Ma
9·6	4·4	29·4	
10·0	12·7	58·3	
9·7	25·7	7·1	
9·7	28·4	16·1	
10·0	38·9	42·9	
8·5	40·9	31·9	8·0 Ga
9·6	49·2	3·6	
9·2	49·9	34·0	9·5
9·6	51·2	38·4	
9·5	51·9	15·7	
10·0	44 11·2	15·5	
9·8	18·9	32·9	
9·6	19·3	2·1	
	+ 1 19·5	−8·2	

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5641—5700.

mag.	12h.–13h. m	s	—23° ′	
10.0	44	24.9	42.4	
10.0		30.9	49.9	
9.9		52.6	4.0	
10.0		55.9	17.9	
10.0	45	0.9	28.7	
9.8		7.9	25.9	
10.0		18.9	16.8	
10.0		29.2	46.0	
9.2		40.6	55.0	9.5
10.0		56.9	1.6	
9.0	46	3.5	34.0	a
9.6		10.3	3.0	
9.8		19.7	47.6	
10.0		22.4	10.7	
9.6		36.2	12.8	
10.0		49.3	2.6	
10.0		55.3	45.4	
9.6		59.2	5.7	
9.7	47	1.1	2.8	
9.9		21.4	36.3	
8.7		46.8	54.2	8.7 b
9.8		58.9	13.2	
10.0		59.2	59.9	
10.0	48	3.1	15.9	
9.6		4.2	10.7	
9.6		16.3	4.7	
9.6		27.4	12.2	
9.6		29.6	45.4	
9.8		40.6	38.0	
8.6		42.4	1.6	a
9.8		52.4	50.7	
10.0	49	21.9	27.7	
7.9	50	1.9	46.3	8.8 Gal
9.6		6.9	52.9	
8.4		22.9	52.5	8.2 Gal
9.6	51	11.9	16.0	
9.8		16.4	58.3	
9.8		34.4	22.4	
9.6		41.4	48.7	
9.4		53.4	46.3	
7.3	53	31.4	14.3	8.0 GWal
9.4		32.9	29.7	
8.8		33.4	26.6	a
10.0		33.4	36.0	
10.0	54	36.4	38.4	
6.8		53.1	59.6	7.0 GSal
10.0	55	24.4	49.2	
8.6	56	22.9	28.6	8.5=
9.4		30.4	22.6	
9.0		43.9	44.8	
10.0		45.6	16.1	
9.0	57	7.9	49.7	9.0–
7.6		12.4	50.7	7.5 GSbl
10.0		42.9	51.9	
9.6	1	26.4	2.6	
8.2		47.4	0.7	8.0 Ga
7.7		55.9	9.2	7.0 GWal
10.0	3	6.5	53.9	
8.2		35.9	11.7	Wa
8.8		45.4	15.6	a
25pr.	+ 1	19.9	−8.2	

5701—5760.

mag.	13h. m	s	—23° ′	
9.1	3	50.4	20.7	a
8.8	4	0.4	41.3	8.0–
7.8		3.9	30.7	7.5 Ga
7.9	5	6.9	54.3	8.0 Gal
9.6		12.9	56.1	
10.0		17.1	53.2	
9.6		40.4	52.6	
9.4	6	16.9	50.3	
9.4		22.4	54.1	
6.9	7	41.9	37.3	7.0 GSbl
8.2	8	8.4	11.5	7.5 Gb–l
10.0		20.4	32.1	
7.6		33.4	20.3	8.0 G=
8.4		35.9	31.0	M
9.4	9	9.7	30.9	–
10.0	10	26.7	5.8	
10.0		42.7	13.2	G
9.1	11	5.2	39.6	Ga
9.4		15.2	13.8	
9.3		15.2	30.0	a
9.0		44.2	28.3	a
10.0†	12	18.5	58.2	
10.0†		25.0	59.0	
8.2		34.2	57.7	8.0 Gal
9.0		35.7	0.1	a
9.6		44.7	27.8	
10.0	13	5.7	16.0	
8.8		31.7	51.0	8.0 SWa
8.3		57.7	6.3	7.5 GWa
8.2	14	15.7	48.9	7.0 GSal
9.0		26.2	44.2	a
9.2	16	5.7	0.8	=
10.0	17	5.2	6.8	
9.4		11.9	59.9	9.0 a
9.6	18	33.2	8.1	a
8.8	19	52.2	38.3	8.5 a
9.6	20	6.4	49.8	
8.8		14.9	38.3	8.5 a
9.8		15.7	3.4	
9.3		34.7	56.5	
8.8	21	19.4	24.4	
8.8	23	28.9	47.3	a
7.8		39.4	0.2	8.0 GWal
9.3	24	33.4	19.8	
9.4	25	22.4	12.1	–
9.4	26	15.9	32.5	
9.4		23.2	2.6	
9.2		25.4	39.2	8.5 M=
9.8		31.9	59.1	
9.2		38.9	46.1	9.0 –
9.0	28	2.7	47.9	a
9.2	29	20.3	0.8	
10.0		27.7	31.5	
10.1†	30	6.2	59.6	
9.0		19.7	14.6	
9.1		22.2	16.7	
10.0		48.4	58.3	
8.8		56.7	29.5	–
10.0	31	16.2	12.3	
7.8		22.7	3.3	8.0 GWal
	+ 1	21.4	−7.9	

5761—5820.

mag.	13h. m	s	—23° ′	
9.0	32	21.7	19.2	
10.0		45.7	37.5	
9.8	33	9.7	6.6	
10.0		14.5	51.1	a
8.5		17.2	37.7	8.5 G–
10.0	34	50.7	6.7	
9.3	35	25.6	29.6	
8.4		29.6	44.6	–
8.7		42.6	54.8	9.2–
9.3		54.6	55.4	
8.8	36	4.6	35.8	a
9.4		11.6	12.0	
9.3		16.6	8.6	
9.4		31.6	56.6	
9.6		37.6	10.8	a
9.6		45.6	54.6	
9.4		49.6	7.0	
10.0		55.6	10.0	
10.0	37	6.6	27.1	
9.6		25.6	32.6	
10.0		28.1	0.9	
9.6		39.1	30.7	
9.0		40.6	25.9	a
9.4	38	18.4	58.4	
9.0		36.6	19.9	a
8.6	39	12.6	34.6	a
9.3		22.6	48.7	
9.4		25.6	42.8	
9.0		38.6	43.4	a
9.6		59.6	2.6	
9.6	40	11.6	37.8	
10.0		51.1	8.8	
9.3	41	3.6	9.2	
9.4		16.6	37.2	
9.4		22.6	32.3	
9.6		23.1	26.8	
9.4		24.1	1.1	
8.5		32.6	13.6	8.5 a
10.0	42	9.2	56.6	
9.2	43	45.1	43.6	
9.2	44	4.6	17.8	
6.8		26.6	45.6	7.0 GSbl
10.0		45.6	16.2	
9.1	45	4.8	0.3	
9.2		25.6	18.6	
10.0		54.1	52.3	
9.6	46	9.6	7.3	
9.3		30.6	6.1	9.0 a
8.8		49.3	12.1	
9.0	47	19.8	16.6	
9.6	48	7.0	48.6	
8.1		13.0	3.2	8.0 Gal
9.8		15.0	56.0	
9.8		48.5	45.0	
9.4		52.5	41.6	
9.4	49	4.0	22.7	
9.2		55.6	13.5	
7.5	50	6.1	48.1	8.0 Ga
9.4		15.3	33.7	
10.0		55.6	35.7	
	+ 1	23.0	−7.6	

5821—5880.

mag.	13h.–14h. m	s	—23° ′	
9.4	51	15.6	34.3	
9.2	52	16.5	39.1	9.0–
9.4		46.5	59.7	
9.1	53	33.0	23.7	
10.0		46.5	21.1	
8.4	54	23.0	12.7	9.5 a
9.9†		46.1	57.5	
9.1		54.0	4.7	a
9.2	55	16.0	42.3	–
8.8		17.0	12.2	9.5 a
10.0		56.9	44.2	
8.4	56	43.9	32.6	a
9.4	57	18.5	49.8	
9.6	58	11.5	41.1	
10.0	59	14.0	43.9	
8.4		29.0	5.7	9.5 Ga
9.6	0	12.5	56.9	9.0
8.4		19.0	17.7	a
9.8		40.5	5.3	
8.8	1	6.7	58.1	
8.9		22.5	19.8	a
9.4		47.0	29.7	9.2 Ga
10.0	2	6.8	53.3	
8.8	3	0.0	58.6	a
9.1		14.5	23.2	
10.0		38.6	0.0	
9.2		50.0	23.0	
8.4	4	14.0	3.1	8.0
9.2		33.0	16.7	G
10.0		37.0	43.9	
8.9		46.0	47.7	
10.0		48.5	48.2	
9.8		56.0	48.0	
8.4	5	4.5	6.7	8.0 G
7.4		20.0	46.3	6.8 GSbl
9.4		37.0	31.9	
10.0		56.0	31.0	
10.0	6	6.0	30.1	
9.2		14.5	35.0	
9.2	7	0.3	14.7	
10.0		18.5	56.0	
9.4		31.0	1.5	
9.1	8	3.5	37.6	8.5 a
9.6		25.3	54.5	
10.0	9	21.5	58.0	
10.0		30.1	26.1	
9.2		57.7	1.6	
10.0	10	17.6	8.7	
10.0		19.7	52.3	
9.2		31.6	21.5	
10.0		33.0	51.1	
8.4		35.5	58.7	8.0–
9.3	11	11.0	44.6	9.0
8.8		48.5	43.8	9.5
10.0	12	2.5	8.1	
9.3		6.5	27.5	
8.8		23.0	41.1	9.0–
10.0		41.5	57.5	
9.4		53.0	34.2	
10.0	13	17.0	40.9	
	+ 1	24.4	−7.1	

5881—5940.

mag.	14h. m	s	−23° ′	
8.0	13	30.0	55.9	7.5 GWal
9.8		38.5	30.6	
10.0	14	11.5	10.0	
9.6		21.0	27.2	
10.0		28.5	41.2	
10.0		50.0	5.0	
10.0		57.0	56.2	
10.0	15	41.6	53.1	
9.6	16	0.1	4.7	
10.0		1.6	32.5	
9.4		12.1	57.5	
10.0		17.1	4.9	
10.0		21.1	13.1	
9.4		42.1	14.7	
10.0		44.6	36.1	
9.3		54.6	50.2	
9.2		59.6	18.8	
8.4	17	6.1	22.8	9.5 a
9.2		8.6	51.2	
10.0		29.1	12.7	
10.0	18	3.6	49.7	
8.4		32.1	24.9	9.0
9.4		37.6	10.0	
9.0		46.1	18.4	
8.7	19	0.1	28.1	
8.0		11.6	38.8	8.0 Gal
9.6		25.6	3.6	
10.0		32.6	8.1	
10.0		34.6	33.2	
9.2		35.1	32.8	
8.8	20	44.1	29.4	9.0
9.4	21	12.2	13.8	
9.4		21.7	51.7	G
9.8		57.2	37.7	
9.2	22	3.7	14.1	
9.3		3.7	34.4	
9.0		5.7	11.8	
8.6		38.2	15.1	9.5
8.4		42.7	29.7	G
10.0		55.2	25.1	
9.4		57.7	12.2	
9.6		58.3	59.4	
10.0	23	1.2	24.8	
8.6		50.2	47.2	
9.2		54.2	41.9	
8.8	24	4.7	43.8	
9.2		28.2	46.9	
10.0		35.7	3.3	
9.4	25	5.7	33.4	
8.8		7.2	28.7	9.0
10.0		8.2	29.1	
9.4		13.7	26.0	
8.4		26.2	38.0	8.5 b–l
9.0		37.7	3.3	
9.4		42.7	21.9	
8.4		43.6	52.3	8.0 Gb
9.2		52.6	21.0	
7.6	26	2.1	27.9	7.5 Gal
9.7		25.6	28.2	
10.0		25.6	32.2	
25pr.	+1	25.2	−6.8	

5941—6000.

mag.	14h. m	s	−23° ′	
10.0	26	27.6	29.7	
9.2		29.1	20.1	
9.4		36.1	0.5	
8.6		37.6	47.7	8.5 Ga
10.0		59.6	5.1	
10.0	27	14.5	34.4	
9.4		17.6	8.7	
10.0		22.6	21.3	
9.6		22.6	13.7	
8.7	28	20.6	47.7	9.5 –
10.0		57.8	26.1	
8.8	29	4.5	50.7	
10.0		11.2	52.7	
8.7		15.7	36.1	
9.2		32.2	55.9	9.5 a
8.0		50.7	29.6	9.0
9.9		54.2	27.2	
9.9		55.7	42.6	
9.9	30	12.6	45.7	
9.4		20.2	16.8	
9.9	32	25.7	3.1	
8.7		52.2	33.7	8.5 Ga
8.4	33	18.7	47.1	a
7.4		40.7	31.0	7.5 GSac
9.9	34	8.7	26.9	
9.9		54.7	38.2	
7.4	35	42.5	57.4	7.8 GWal
9.9	36	3.2	44.3	
7.7		18.2	55.6	8.5 GWa
9.8		36.2	57.1	
9.4		42.7	43.5	
7.8		42.7	32.7	b–l
7.3	37	6.0	35.8	7.0 GScl
9.8		30.3	6.5	
9.8		32.0	25.0	
8.9		36.5	20.8	8.0 Gbl
9.2		57.0	48.1	
8.6	38	7.5	24.7	9.0
9.9		26.3	36.9	
9.9	39	46.0	23.8	
9.8		54.0	43.8	
8.9	40	13.0	32.1	9.5–
9.4		17.7	3.0	
9.2		19.0	40.5	
9.2	41	33.0	49.6	
8.0	42	3.0	44.5	8.5 GWa
8.6		3.5	10.1	G
6.9		5.0	43.7	6.0 GScl
9.4		18.0	27.4	
9.9		20.3	11.6	G
7.9		43.0	42.0	8.5 GWal
7.9	43	4.5	54.6	8.0 Gal
8.8		18.5	4.9	G
9.9		36.0	29.6	
9.9		52.5	47.0	
9.4		57.5	43.1	
8.0	44	2.5	20.3	7.5 Gal
8.8		24.5	16.1	
8.0		34.0	46.5	7.5 GWal
9.8		52.0	44.7	
	+1	26.0	−6.5	

6001—6060.

mag.	14h. m	s	−23° ′	
9.9	44	53.0	43.3	
8.2	45	8.0	26.2	8.0 Gal
6.8		24.0	36.2	7.5 Gal
9.8		35.0	46.7	
9.0		47.5	57.3	
9.2		51.5	13.6	
9.2	46	16.5	58.2	
6.8		40.5	27.7	GSbcl
9.6	47	5.2	45.8	
9.9		41.5	16.2	
9.0		47.7	9.2	a
9.9		57.6	16.4	
9.9	48	11.7	1.1	
10.0		24.7	2.6	
7.6		33.5	46.2	8.0 Ga
9.4		34.8	0.1	
9.9		49.5	45.6	
10.0		49.9	58.5	
10.2	49	10.9	30.9	
7.8		16.9	45.1	7.5 Gal
10.2		27.6	30.0	
9.2		30.9	18.0	
9.2		42.1	51.7	9.0 a
10.0		44.1	42.4	
10.1	50	3.7	50.1	
9.1		10.4	13.0	9.0 Ga
10.0		23.4	1.9	
8.9		39.4	0.5	b
9.2	51	30.9	20.9	9.0
9.8		42.1	16.1	
9.9		44.9	8.0	a
10.1		59.4	3.6	
10.2	52	1.9	14.1	
10.2		13.2	50.1	
10.1		33.1	35.0	
10.2		56.1	57.7	
8.6		58.7	51.1	8.8–
8.8		59.4	5.7	9.0 Ga
9.8	53	4.6	57.3	
10.1		7.4	2.4	
9.4		7.7	27.9	
9.0		21.9	32.0	9.5 Ga
10.1		40.6	53.2	
9.8		40.9	24.6	
8.8		41.9	33.1	9.5 Ga
9.6	54	0.9	54.4	–
9.4		5.9	12.1	K
9.6	55	12.0	0.5	
9.5		17.1	32.2	
10.2		30.9	17.8	
9.9		33.1	11.8	
9.0		35.4	30.4	8.5 Ga
9.8		39.8	1.4	
10.0		49.9	33.6	
10.2		52.1	34.3	
10.2	56	30.4	21.2	
10.2		34.8	14.7	
8.3	57	5.9	39.1	8.5 a
10.1		53.1	0.9	
9.2		53.8	19.8	9.0 b
	+1	26.7	−6.1	

6061—6120.

mag.	14h.-15h. m	s	−23° ′	
10.0	57	54.9	12.4	
10.0		57.3	19.8	
8.5	58	3.6	17.2	8.0 Gb
10.2		6.0	38.5	
9.4		11.0	11.8	
10.2		11.8	14.9	
10.2		14.0	2.7	
7.4		53.6	38.5	7.0 GStπ
8.7	59	6.0	29.1	8.0 Ga
9.0		23.0	17.0	a
9.0		36.0	8.3	a
9.5		49.0	51.2	
7.8		59.7	42.5	7.0 GSl
9.8	0	2.5	42.3	
10.2		15.4	26.8	
10.0		18.3	41.6	9.5
10.1		20.4	17.1	
10.2		25.0	1.4	
9.5		31.8	7.2	
9.2		53.8	29.4	a
10.2	1	6.0	45.1	
10.0		19.0	47.1	
9.8		30.3	15.9	
10.1		44.0	18.7	
10.2		50.3	45.0	
9.8		57.0	25.8	
10.2	2	11.4	56.5	
9.9		17.0	29.3	
9.8		23.4	57.3	
7.6		33.3	30.3	7.0 GSlπ
10.0		33.8	18.9	
9.4		53.0	13.5	
9.8	3	11.0	30.1	
10.2		26.6	35.9	
10.2		29.0	56.6	
9.5		34.8	5.7	
8.9		36.9	32.6	9.5 a
10.0		48.5	16.6	
10.2		49.9	14.6	
9.4	4	20.9	9.5	
9.8		58.5	17.0	
9.8	5	33.7	14.8	
10.2		41.2	47.7	
9.8		50.2	37.8	
9.2		52.5	23.3	
10.2		53.6	1.1	
6.5		59.5	32.2	6.5 GScl
9.8		59.7	44.5	
9.8	6	0.2	41.9	
9.6		1.7	51.5	
9.9		10.2	21.3	
10.0		15.9	6.2	
9.0		18.5	26.2	9.0 bl
9.4		20.7	15.0	
8.0		29.7	4.4	8.0 G–
10.0		31.2	50.0	
7.8		33.5	54.5	7.5 G=tπ
9.8	7	10.0	4.1	
9.2		13.7	47.3	
10.2		27.2	54.5	
	+1	27.2	−5.8	

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6121—6180.

mag.	15h. m	s	—23° ′	
10·2	7	55·9	42·8	
9·9	8	0·2	46·7	
9·2		13·4	21·3	9·0
9·5		15·4	25·8	9·0
9·8		16·1	52·9	
9·8		25·7	51·1	
9·4		28·7	29·5	9·5
10·2		39·2	38·4	
9·8		41·4	32·5	
10·1		50·2	16·1	
10·2		55·7	14·1	
7·0	9	29·0	32·7	7·5 GScl
10·2	10	5·7	47·8	
10·2		12·0	29·0	
9·9		12·2	40·2	
9·2		24·7	58·1	
9·2		44·7	0·8	Ga
10·2	11	9·7	56·9	
8·4		16·2	47·3	Gal
9·2		25·1	22·0	a
9·5		45·1	29·3	
7·0		50·1	48·5	7·0 GScl
10·1		59·6	37·9	
10·1	12	13·6	1·3	
9·4		16·6	18·1	
7·1		20·6	48·9	7·0 GScl
10·2		27·1	51·2	
10·2		46·1	6·3	
9·6	13	11·6	28·5	
10·2		23·6	59·0	
9·6		24·6	36·5	
9·5		44·1	5·1	
10·2		49·1	56·2	
10·2	14	13·1	48·4	
10·2		16·6	46·9	
10·2		17·1	55·8	
10·1		39·1	14·0	
9·8		52·6	47·3	
9·6		56·1	10·4	
9·4	15	2·6	20·6	
9·2		8·1	51·2	
8·1	16	8·6	38·5	a
10·0		21·6	25·6	
10·1		22·6	53·6	
10·2		26·6	2·0	
9·8		43·6	18·4	
9·6		43·6	50·6	
8·2	17	12·6	55·4	8·5 Ga
9·6		30·6	46·3	9·0
8·0		32·1	3·8	8·0 G—
8·2		47·1	13·4	8·0 G
10·2		53·6	1·0	
8·2	18	10·1	14·5	8·0 a
10·0		26·2	59·2	
9·2		46·1	38·2	9·0
9·2		57·6	37·1	9·5
10·1	19	26·6	12·0	
8·6		27·6	42·2	9·0 a
10·1		35·1	48·1	
9·5		55·1	9·8	
25pr.	+1	27·7	—5·6	

6181—6240.

mag.	15h. m	s	—23° ′	
8·4	20	21·6	57·3	9·5 a
10·1		41·1	10·3	
10·0		42·5	18·1	
9·6		53·0	5·2	
10·0		56·5	55·2	
9·5	21	12·7	1·4	
9·5		23·2	0·3	
9·5		23·5	37·8	
10·1		32·5	58·0	
10·0		33·5	26·0	
8·6		47·0	15·8	
10·0	22	2·0	1·9	
8·7		23·5	39·5	
9·2		27·0	7·8	
9·6		29·8	30·9	
8·0		31·5	36·5	b=l
9·2		54·0	48·3	9·0 G
10·1		55·8	25·4	
9·8		58·5	35·2	
9·5	23	12·0	52·2	9·5
9·5		38·0	31·2	
8·8		43·5	0·2	bl
7·9		46·0	13·4	7·0 GWbl
9·5	24	9·0	47·3	9·0 G—
8·8		22·5	55·1	
9·0		37·0	26·9	9·5
8·8		53·5	46·7	
7·9		53·5	27·1	7·0 GScl
9·0	25	3·0	2·9	
8·6		12·5	29·7	8·5 Gal
9·0		13·5	0·2	
9·4		27·0	56·9	
10·0		44·5	21·7	
8·4		54·9	2·5	8·0 al
10·0	26	35·8	44·1	
10·2		36·0	55·1	
9·6		39·8	46·4	
8·6		53·7	48·7	—
10·2	27	9·5	15·1	
8·3		38·7	44·1	8·0 Gb—l
9·4		57·0	25·2	
9·2	28	18·4	43·1	9·2
8·4		22·2	53·4	
9·8		37·5	47·0	
10·0	29	3·9	1·1	
7·8		12·5	34·6	8·0 Gb=l
8·3		15·5	38·6	8·5 b=l
8·7		35·9	53·9	a
8·2		49·9	14·1	9·0 a
9·3		54·3	59·8	9·0 a
10·0	30	28·9	24·3	
10·0		29·9	20·9	
9·4		33·1	16·5	
10·0		44·6	53·1	
8·8	31	46·1	32·9	8·5 a
7·7	32	13·1	23·4	8·0 GWa
9·0		20·1	18·8	8·0 Ga
8·2		28·6	3·7	al
10·0		28·9	8·6	
9·2		52·1	11·0	8·5 a
	+1	28·2	—5·2	

6241—6300.

mag.	15h. m	s	—23° ′	
6·7	32	53·6	24·4	5·5 GSμβ
9·2		54·6	44·8	
9·6	33	12·9	28·4	a
9·3		15·6	51·0	
10·0		25·1	40·1	
8·8		35·6	55·0	9·5
7·5		50·7	59·7	8·0 Ga
10·0		52·6	47·0	
7·4	34	33·1	53·8	7·5 Gal
8·9	35	35·1	51·9	8·0 Ga
10·0	36	2·1	19·4	
7·1		52·6	59·9	7·5 Gal
8·4	37	16·6	48·7	9·0
8·4	38	5·6	6·8	Wb
10·0		16·6	46·2	
10·0		28·6	40·0	
9·0		57·1	38·9	8·5 a
9·8	39	5·6	31·0	a
10·0		17·1	37·2	
9·2	40	2·1	58·5	
9·3		39·5	24·4	a
10·0		49·0	40·8	
9·0		49·0	17·6	a
9·7	41	2·5	38·6	
6·3		3·0	26·8	7·0 GScl
8·2		26·5	17·9	8·5 Gkal
9·4		51·5	27·3	
10·0		57·5	43·2	
9·5†	42	0·8	58·3	
9·5†		44·2	59·8	
9·4	43	6·5	46·4	
8·2		18·5	37·2	8·8 =
9·5†	44	26·3	59·4	
10·0		31·0	32·0	
9·3		31·5	33·3	
9·4	45	22·0	5·4	
5·7	46	29·9	36·3	GStlπ
9·2	47	11·1	34·3	
8·4		34·1	24·9	a
8·2		45·1	58·2	9·5 —
10·0	48	13·7	0·0	
9·4†		27·6	55·7	
7·9		43·3	31·3	Ga
7·7		43·8	6·4	a
8·7	49	9·9	58·2	9·0 b
9·6		18·4	44·0	
6·9	50	22·4	9·7	7·0 Gtlπ
9·6		44·2	58·9	
9·8		46·9	6·8	
10·0	51	4·2	48·9	
8·4		11·4	32·4	8·5 a
7·6	52	4·9	50·0	8·1 Ga
9·4		11·7	36·2	9·0
10·2		21·7	32·2	
9·6		51·2	10·5	
9·2		54·7	22·3	9·5
8·8	53	31·2	16·3	9·0 —
8·0		40·2	54·7	7·5 GWa
8·5		49·7	40·3	9·0
8·8	54	5·7	56·0	9·0 a
	+1	28·8	—4·7	

6301—6360.

mag.	15h.–16h. m	s	—23° ′	
8·8	54	12·2	58·3	8·5 a
10·2		34·2	10·0	
9·6		42·7	28·8	
9·2	55	7·2	19·6	a
9·2		13·2	54·0	9·0 a
10·2		14·7	6·9	
8·7		28·7	49·3	8·0 GWa
9·4		35·2	48·5	9·5
9·6		59·0	59·3	9·0
10·2	56	15·2	55·7	
9·6		46·2	13·3	
8·9		51·7	24·1	a
9·4	57	29·2	16·9	9·0 Wa
10·2		35·7	38·8	
9·2		41·7	41·8	a
7·4		52·2	19·3	8·0 GSal
9·2	58	1·2	45·0	
8·0		6·6	52·8	7·8 GWa
10·2		10·0	45·4	
9·0		25·1	2·0	
6·1		39·6	15·8	6·0 GSal
9·4	59	24·6	18·3	
10·2		25·1	28·3	
7·8		26·1	48·8	8·5 a
9·0		31·1	33·0	
7·9	0	2·1	36·6	8·5 Ga
10·2		16·6	40·5	
8·4		42·6	30·8	9·0 a
9·4		44·6	27·3	8·5 Ga
10·2		54·6	9·2	
9·6	1	11·7	1·6	
6·2		15·6	21·0	6·5 GSal
10·2		22·1	31·0	
9·4	2	10·1	28·0	
9·4	3	16·1	6·3	
7·8	4	41·1	35·7	8·5 ≡
9·0	5	27·6	0·4	9·0 a
10·2		38·8	0·6	
10·2	6	12·1	23·6	
7·8		17·1	56·2	8·0 Ga
10·2		26·0	1·3	
8·0		33·0	27·2	8·0 GWal
8·3		33·6	50·8	8·8 Gb
9·6	7	5·1	49·8	
9·4		21·6	0·9	
8·5		40·6	26·4	9·0 a
10·2		47·2	14·2	
10·2	8	3·2	18·4	
10·0		25·9	36·8	
10·0		48·9	20·8	
7·0		56·2	58·1	7·0 GScl
9·3	9	3·4	26·4	
10·0		13·4	53·2	
8·3		45·2	54·7	8·9 —
8·4		58·6	1·9	9·0 a
9·2	10	7·7	33·0	
9·0		16·9	50·1	8·8 —
10·0	11	21·9	31·9	
9·6		28·0	0·3	
10·0		34·6	56·1	
	+1	29·4	—4·1	

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6361—6420.

mag.	16h. m	s	−23° ′	
9·8	12	13·4	4·3	
9·3		41·4	29·9	
5·6	13	7·4	51·9	5·0 GSμβ
9·4		27·4	34·3	
6·9		49·9	24·3	7·5 GSbc
9·6	14	16·9	14·7	
8·3	16	43·4	12·3	9·0 a
7·0	17	54·9	10·2	7·0 GWlπ
4·9	18	5·4	9·4	6·0 GWμβ
7·4		6·4	6·9	7·5 GWlπ
9·0	28	44·7	43·4	9·5
9·9	30	11·9	0·0	
9·9		40·5	4·1	
8·4		42·0	0·5	9·5 Ga
9·9		53·0	6·9	G
8·1	31	0·5	52·6	8·8 GWal
8·6		45·0	34·5	
9·6		53·0	20·9	-
9·9		58·0	27·7	
9·9	32	40·0	2·9	
8·1		45·0	38·7	9·0 G =
8·8		52·0	23·9	G
8·3	33	42·5	4·8	9·0 al
9·4	34	43·0	2·2	
9·2		56·0	25·9	
8·9	35	23·6	28·3	
9·6		32·1	43·1	
9·4	36	1·2	2·1	
9·9		21·1	16·5	
8·6		30·6	46·4	9·0 a
9·9		54·1	58·2	
9·9	37	29·1	38·1	
8·6	38	53·6	14·5	9·5
9·4		57·1	13·0	
9·4	39	40·1	30·5	9·5 a
7·6	40	12·6	44·8	8·5 Gal
9·4	41	25·6	38·3	
9·8		53·6	20·1	
8·8	42	18·2	1·3	
9·4		23·1	51·4	
8·6		26·6	13·7	Ga
8·1		36·6	41·5	9·0 a
8·6	43	3·6	48·5	9·2 a
9·6	44	10·6	41·2	
9·2		23·6	21·6	
9·8		27·6	2·7	
9·2		40·6	47·5	9·5 −
9·2		52·6	21·3	
9·0	45	18·6	5·9	
8·6		22·1	58·1	9·5 G
9·9		26·5	57·5	10·0
9·6	46	22·1	30·4	
8·9		43·3	46·8	
7·6	47	17·9	18·3	7·5 GSπβ
9·2		29·8	3·3	
9·2		49·7	57·9	
9·9		54·8	31·5	
8·2	48	13·6	49·2	9·0 Ga
9·6		17·6	21·0	
9·0		26·6	28·6	
25pr.	+1	30·4	−3·0	

6421—6480.

mag.	16h. m	s	−23° ′	
9·8	48	40·6	38·0	
9·1	49	3·8	0·8	
9·9*		3·8	32·0	
9·9*		11·8	55·1	
9·8		12·0	37·0	
9·5		14·3	52·7	
9·8		21·3	9·2	
9·2		22·6	22·1	
9·1		23·1	22·5	
9·2		25·8	47·3	
9·8*		49·5	37·4	
9·4	50	2·8	7·2	9·0 a
8·4		27·3	22·6	10·0 a
9·1		39·4	48·8	
9·1		41·3	24·3	
9·2		54·5	29·6	
9·8	51	2·8	40·9	
9·5		11·3	37·9	9·0 G
7·8		12·3	47·4	Gkb = l
8·2		18·3	32·9	9·0 Gbl
10·2		22·3	41·0	
9·8		33·3	10·4	
10·0		52·5	21·5	
9·6		58·5	16·8	
9·4	52	5·5	53·2	9·5
8·7		56·5	24·2	9·5
10·0		57·0	16·7	
9·1	53	0·0	34·3	
10·2		2·5	36·6	
7·9		4·0	19·4	9·0 =
10·2		33·0	17·7	
10·0	54	1·5	43·3	
10·0		16·5	22·4	
9·1		17·0	41·2	
10·2		20·8	58·1	
8·5		36·0	6·2	8·5 al
10·2	55	22·0	10·4	
9·0		22·5	9·0	
9·1		30·5	7·1	
10·2	56	6·5	40·1	
9·5		12·0	18·1	
8·2		14·5	26·2	
9·4		22·0	7·9	
9·8		42·5	26·7	
7·7		54·5	12·7	8·0 GSac
10·2	57	8·0	16·8	
9·4		32·0	9·5	
9·5		32·0	24·1	
9·6		35·0	42·2	
9·2		40·5	34·8	
9·6		42·5	19·5	
8·6		47·5	32·3	9·0 Gb
9·6		56·5	19·0	
9·1		57·0	10·5	
9·6	58	20·5	51·1	
9·4		34·0	49·3	9·5
9·1		49·5	43·2	
8·8		54·0	18·8	−
9·0		58·5	44·0	9·0 Ga
9·6	59	2·5	45·4	9·5
	+1	30·7	−2·4	

6481—6540.

mag.	16h.–17h. m	s	−23° ′	
10·2	59	8·5	34·3	
9·2		12·2	57·1	
9·2		39·0	2·7	
9·2		46·5	10·2	
10·2		48·5	14·1	
10·2		57·0	10·1	
9·6	0	2·5	36·9	
9·4		3·4	21·2	
10·2		22·9	13·7	
10·2		22·9	44·7	
9·1		23·9	17·4	9·5 −
8·0		36·4	30·2	9·0 ≡
10·2		40·4	14·2	
8·8		51·9	25·5	9·0 =
8·2	1	1·4	3·7	9·0 Ga
9·8		6·4	45·0	
8·7		10·4	50·1	
7·5		21·9	49·6	8·2 Gal
9·1		46·9	44·6	9·5
9·2		52·4	23·2	
8·8		53·9	0·4	a
9·5		55·4	33·9	
10·0		57·5	52·1	
9·0		59·9	24·2	
9·4	2	17·4	32·5	
9·0		26·2	59·3	9·5 G
9·2		26·4	45·2	
8·4		27·9	51·1	9·0 a
9·1		32·4	25·1	
9·5		45·4	32·5	
10·2		55·4	42·1	
9·5		56·9	45·0	
8·8	3	7·9	23·0	
9·6		13·9	19·4	
8·8		31·9	22·6	
10·2		33·9	19·1	
9·6		40·9	11·3	
9·5		52·4	23·0	
9·8		55·4	54·2	10·0
9·8	4	22·4	32·3	
9·5		25·9	32·5	
9·8		35·4	0·6	
9·3		42·1	0·5	−
9·6		52·4	30·7	K
10·2		53·9	8·2	
9·5	5	2·9	31·0	
9·6		4·4	28·4	
9·6		4·9	2·8	
9·4		9·4	2·0	
10·2		15·4	19·0	
9·8		15·5	48·3	
10·0		15·9	10·8	
9·5		35·4	20·4	
9·2		38·4	52·0	
9·4		49·4	4·9	a
8·4		51·9	43·1	9·0 G −
10·2		53·4	54·3	
9·2		59·9	7·4	
8·8	6	2·9	20·9	9·0
8·6		5·4	2·2	a
	+1	30·9	−2·1	

6541—6600.

mag.	17h. m	s	−23° ′	
10·2	6	7·1	57·0	
8·2		9·4	54·0	9·2 Wa
9·4		25·4	20·9	
9·5		27·4	20·4	
10·2		30·4	11·0	
9·6		40·4	5·3	
10·2		43·4	48·6	
9·6		45·4	32·8	
9·8		56·4	12·4	
9·6		57·4	16·9	
7·5	7	11·1	54·7	8·3 GWal
9·8		12·4	18·6	
10·2		19·4	7·5	
9·6		35·2	35·5	
10·0		42·4	8·9	
9·5		45·2	44·1	
10·2		53·9	36·8	
10·2		55·9	32·8	
8·6	8	52·4	37·7	
9·6	9	30·8	0·4	
9·6		38·4	17·2	
9·8	10	15·4	29·8	
10·2		25·4	1·6	
7·4		29·4	55·9	7·0 GSμβ
8·5	11	19·0	51·7	9·5
8·6		22·0	52·8	
9·8		37·8	27·8	10·0
9·8	12	16·0	53·8	
9·8		41·5	47·4	
9·2		51·5	29·0	
8·7	13	31·0	2·1	9·0 =
9·3		34·0	42·1	
9·4		44·5	33·0	
9·8	14	10·0	12·4	
9·2		16·5	41·1	
9·8		28·0	14·5	
8·3		31·5	26·7	8·5 G ≡tπ
9·8		51·0	41·8	
9·2	15	13·0	55·4	9·0
9·4		31·5	46·1	
9·8		37·5	32·1	
9·3	16	8·0	48·9	
9·5		14·5	11·8	
9·4		16·0	44·7	
7·6		26·5	43·4	7·5 GSlπ
9·0		49·0	35·9	
8·2	17	14·5	48·5	8·8 a
9·0		23·0	43·7	9·5 a
9·2		26·5	27·4	
7·8	18	27·5	3·4	8·5 Gal
8·5		31·5	46·6	a
9·8	19	50·6	20·1	10·0
9·8	20	31·5	10·9	
9·8		32·0	8·0	a
9·2	21	2·0	8·1	
9·2		16·5	20·1	8·5 Ga
9·2		31·5	43·7	
8·9	22	13·0	9·6	9·5 a
9·3		32·0	56·1	
9·8		49·5	0·2	
	+1	31·0	−1·7	

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6601—6660.

mag.	17h. m	s	−23° ′	
7·4	23	12·5	44·4	8·0 Gtlπ
8·2		28·5	4·7	–
8·8		36·0	33·5	8·5 Gbl
5·3		47·5	51·8	5·3 GSμβ
9·4	24	8·1	28·3	
9·5		41·6	4·3	
9·5		50·1	55·3	
9·3	25	18·1	17·9	
8·0		50·8	58·7	8·6 a
9·6		57·1	53·3	9·0 –
9·0	26	32·1	8·6	9·5
9·4	27	8·1	13·6	
9·7		52·1	42·6	
9·0		55·1	32·1	9·0 G=
9·8		55·6	27·6	9·5
9·5	28	49·9	31·9	
9·3		57·7	40·3	
9·4	29	42·1	37·0	
9·2		45·6	29·4	
7·9	30	11·6	18·5	8·5 al
9·8		21·1	18·7	
9·2		35·7	13·9	
9·9		40·8	27·6	
10·0†		43·5	53·6	
8·8		45·3	7·9	9·0 –
8·9	31	7·6	58·0	8·8 a
9·4		37·3	24·3	
10·0†		39·0	55·2	
10·2†		46·5	54·8	9·0
8·8	32	1·3	36·5	a
7·8	33	12·3	46·0	8·5 Gtlπ
9·9		21·3	33·1	
9·2		22·8	56·1	9·5
9·4		32·3	24·3	9·0
9·9		33·9	58·9	
8·2	34	45·6	17·2	8·0 GWal
8·8		48·1	40·3	9·5 Ga
9·8	35	16·1	50·1	
9·4	36	40·1	41·9	
7·5		41·1	37·2	7·5 GScl
9·2	37	13·1	15·9	
9·4		52·6	40·5	9·0 –
9·7		55·6	28·6	
9·8		55·6	49·7	
9·7	38	2·6	21·1	
7·8	39	5·1	38·0	8·5 GW–
8·6		29·6	31·1	9·5
9·8		55·6	8·2	
9·8	40	18·5	51·9	
9·8		30·1	28·0	
9·8		31·6	17·8	
7·7		46·6	11·2	8·0 Ga
9·6		59·6	18·6	
9·4	41	12·6	13·0	
8·9		12·6	34·9	9·0 G–
9·2		30·6	24·2	9·2 a
7·5		44·1	19·5	7·5 Gal
9·0	42	3·6	24·7	9·0
9·9		15·5	40·1	
9·2		28·1	9·0	
25pr.	+1	31·2	−1·0	

6661—6720.

mag.	17h. m	s	−23° ′	
7·3	42	39·6	5·3	8·2 Gal
9·2		41·9	57·0	
9·2	43	2·1	5·0	
10·2†		31·3	58·6	
9·2		32·6	55·3	
9·3		51·6	41·7	
7·2	44	1·6	38·3	8·0 Gtlπ
9·4		26·1	57·7	
10·0†		33·0	50·8	
9·2	45	17·6	17·6	9·5
9·4	46	16·6	20·7	
9·7		25·6	25·0	
9·9		52·6	5·7	
9·6		57·7	38·4	
9·0	47	35·2	57·8	9·5
9·4		48·5	9·9	
9·9		58·0	55·0	9·5
9·0	48	14·5	6·4	9·0 a
9·8		36·0	58·3	
8·0		53·2	22·0	8·0 GWal
10·5	49	20·8	31·1	
8·4		29·3	55·1	7·5 GWπβ
8·8		37·7	7·7	a
9·6		44·8	14·8	
10·5		53·8	53·6	
9·4		59·0	43·2	
9·7	50	2·8	40·9	
10·5		5·8	42·3	
10·1		26·3	10·8	
10·1		33·8	23·3	
8·4		42·5	41·1	8·8 G–
10·3		45·3	59·8	
10·5		50·3	59·5	
10·4		59·3	49·9	
10·5	51	15·3	55·4	
10·1		17·3	17·5	
10·3		19·8	28·9	
9·6		22·8	22·2	
10·4		27·3	12·9	
8·3		32·8	18·1	8·8 Gb≡l
9·6		42·8	4·4	
10·4		45·8	31·4	
9·9		45·8	22·6	
10·3		53·8	55·8	
10·2		57·3	9·1	
10·5	52	4·8	55·9	
5·0		10·3	48·2	5·5 GSμβ
9·9		11·8	8·9	
10·3		14·3	47·0	
10·3		15·8	18·6	
9·4		25·8	33·4	
8·8		29·8	7·0	9·5 –
9·9		32·3	53·1	
10·0		33·8	51·5	
9·0		35·8	16·3	
10·3		39·3	17·6	
10·4		42·3	16·3	
10·0		43·3	16·9	
9·3		43·3	19·2	
9·4		45·8	33·1	
	+1	31·3	−0·3	

6721—6780.

mag.	17h. m	s	−23° ′	
9·3	52	47·8	8·7	
8·8		47·8	29·5	
9·4		53·3	20·6	
9·4		53·8	40·7	
9·9	53	1·0	2·2	
10·2		1·3	14·5	
10·4		6·3	8·5	
9·4		12·3	3·3	
9·0		16·3	30·0	9·5
10·2		20·8	13·1	
9·8		21·8	48·4	
10·3		21·8	54·0	
9·6		22·8	35·1	
10·0		22·8	50·6	
8·9		23·3	1·5	
9·8		26·8	30·7	
8·2		32·8	32·7	8·5 GW≡
9·6		37·3	50·3	
10·3		37·3	27·6	
9·6		37·8	41·1	
9·1		40·3	56·3	
8·8		47·3	9·4	9·2 G
9·7		55·3	8·5	
9·6	54	2·3	44·8	
8·0		9·8	10·3	8·8 G=
10·4		12·3	59·9	
10·1		18·8	55·2	
10·5		20·8	33·0	
10·4		21·8	57·3	
10·3		22·3	41·1	
10·4		22·8	39·2	
9·7		26·6	14·6	
9·7		32·8	33·2	
9·0		36·3	18·0	
10·2		45·8	16·0	
10·0		45·8	33·2	
9·7		47·3	37·2	
7·2		48·3	1·7	8·0 GWal
10·1		53·2	2·3	
10·3		55·3	9·0	
9·8		55·8	0·6	
10·4		59·8	56·4	
9·6	55	2·8	15·0	
9·2		6·3	6·2	
9·8		10·8	57·9	
9·8		13·3	1·3	
10·0		15·6	51·1	
10·0		17·8	1·9	
10·5		21·8	59·6	
9·7		25·8	5·4	
9·6		26·3	11·6	
9·9		29·3	11·6	
10·5		29·8	36·0	
10·5		30·3	31·0	
9·0		32·8	5·8	
10·0		35·3	13·1	
9·4		35·8	33·4	
9·8		42·8	10·6	
10·2		43·8	9·0	
9·6		52·8	25·0	9·0
	+1	31·3	−0·2	

6781—6840.

mag.	17h. m	s	−23° ′	
8·3	56	2·8	8·2	9·5 G–π
9·6		3·3	48·0	
8·5		5·8	20·7	9·0
9·1		6·8	26·2	9·0
9·3		10·3	31·6	
8·9		12·8	18·0	9·0
10·4		15·8	19·4	
10·5		19·3	45·8	
10·4		21·3	29·1	
9·9		22·8	46·4	
9·8		28·3	41·8	
10·2		31·8	52·0	
10·0		39·8	16·6	
9·2		41·3	28·0	
10·4		45·8	25·4	
10·5		48·3	56·0	
9·8		53·3	14·8	
10·5	57	3·3	4·6	
8·8		5·8	27·8	9·5
9·6		7·3	43·2	
8·5		12·3	36·0	9·0 W
10·1		16·8	50·6	
8·7		18·3	42·0	8·5
9·7		19·3	26·0	
10·5		20·3	35·8	
9·6		23·3	25·0	
9·7		23·3	41·0	
9·0		32·8	16·8	9·0
10·0		33·3	46·0	
9·9		34·1	58·6	
10·5		44·3	4·0	
9·4		47·6	0·6	
10·5		49·8	11·5	
10·5		50·3	9·9	
9·4		51·3	0·8	
8·0		52·3	43·2	8·5 G
10·4		55·8	26·5	
10·5	58	3·8	6·1	
10·1		5·3	31·1	
9·0		9·3	31·0	9·0
10·4		14·3	37·1	
9·8		14·8	42·9	
10·5		16·3	7·3	
9·7		16·8	55·0	
10·3		19·8	6·1	
9·9		22·8	9·4	
10·0		22·8	32·1	
9·9		25·3	19·3	
9·3		28·3	29·7	9·5
10·5		30·3	17·7	
10·5		32·8	58·8	
10·4		32·8	19·7	
9·7		43·8	45·6	
9·6		53·3	58·1	
9·1		55·3	57·2	9·0 –
9·9		56·3	14·7	
10·0	59	8·8	32·2	
10·2		25·8	34·6	
10·2		28·3	20·4	
10·3		30·8	35·5	
	+1	31·4	−0·1	

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6841—6900.

mag.	17h–18h. m	s	—23° ′	
10·3	59	32·8	12·9	
10·0		35·8	20·4	
10·3		35·8	37·6	
10·4		36·8	20·7	
9·6		36·8	2·9	9·5
9·8		37·3	4·7	9·0
10·2		40·8	19·0	
10·5		42·3	24·1	
10·0		44·3	16·9	
8·7		52·3	20·4	
9·8		57·3	16·9	
9·9	0	2·8	13·3	
10·5		2·8	55·3	
9·6		3·3	22·5	
10·5		5·8	39·9	
9·2		7·8	21·1	
8·0		10·3	7·1	8·2 G≡
9·9		29·8	42·2	
9·4		31·3	7·5	9·5 G
9·3		31·8	35·5	
10·5		35·8	21·2	
10·2		35·8	17·7	
8·8		43·3	26·7	
10·1		52·8	15·1	
9·7	1	1·8	38·9	
10·5		3·3	40·7	
10·3		5·8	20·1	
9·9		7·3	11·6	
10·0		8·8	14·1	
10·5		12·8	46·4	
9·4		13·3	26·6	
9·2		17·3	36·5	
9·8		21·3	47·1	
9·1		23·8	19·9	
8·9		32·3	27·0	
9·7		35·8	44·8	
10·1		42·8	47·1	
9·6		43·3	15·6	
10·4		43·8	51·9	
9·8		47·8	31·4	
9·4		49·3	5·6	
10·4		52·3	20·5	
9·7		52·8	22·8	
10·4		53·3	10·4	
10·5		55·0	59·3	
10·3		55·3	16·2	
10·0		55·8	17·0	
8·0		59·3	35·1	8·2 Ga
10·5		59·3	2·8	
10·3	2	0·8	8·4	
9·6		2·0	56·8	9·0
9·7		5·3	56·4	10·0
9·8		5·3	21·0	
8·6		8·3	41·9	9·5
8·3		9·3	39·7	8·5 a
9·0		11·3	40·4	9·5
10·4		12·6	1·8	
8·8		12·8	27·4	
9·2		14·3	37·9	9·0
9·2		17·3	3·5	
Spr.	+ 1	31·4	0·0	

6901—6960.

mag.	18h. m	s	—23° ′	
10·5	2	21·3	28·0	
9·2		27·3	39·8	
7·4		29·3	47·5	8·5 Gtlπ
9·4		29·3	46·2	9·0
9·7		36·3	2·7	
10·1		39·8	48·4	
8·8		40·8	25·6	
9·7		41·3	15·7	
9·4		41·3	42·9	
9·9		44·3	17·0	
10·5		46·3	31·9	
8·4		53·3	35·1	8·5 Gb–l
8·0		54·5	56·4	9·0 b
10·5		57·3	19·5	
9·7	3	7·8	12·7	
10·1		12·8	6·4	
9·6		14·8	27·5	
9·4		16·3	42·9	
10·4		26·3	23·0	
10·5		28·8	10·2	
8·8		32·3	22·3	8·5 W=
10·5		38·3	18·9	
9·7		39·3	55·7	
9·7		43·3	8·1	
9·6		55·3	16·0	
10·5		56·8	44·5	
10·1		59·8	22·7	
10·0	4	2·8	10·5	
7·3		5·8	43·5	5·8 GSμβ
10·0		5·8	54·2	
9·7		10·3	49·9	
8·8		16·8	52·4	9·0
10·5		16·8	7·1	
10·5		22·8	51·8	
10·5		22·8	53·9	
10·5		23·3	35·9	
10·0		30·3	14·6	
10·0		35·8	16·4	
10·5		44·3	9·5	
9·4		46·8	13·8	
10·0		56·8	18·9	
9·0	5	10·8	35·7	9·0 a
10·5		21·8	54·4	
10·4		26·3	53·4	
7·8		26·8	8·6	7·5 GWcl
10·2		33·8	36·1	
9·6		34·8	31·8	
9·7		35·3	29·7	
9·8		35·8	53·7	
10·2		45·3	4·2	×
10·1		49·3	9·9	
10·1		50·8	21·0	
8·8	6	0·8	43·6	
10·1		2·3	25·8	
10·0		2·3	35·0	
9·4		4·3	5·9	
9·6		6·3	7·9	9·0
9·0		7·3	39·1	
9·8		7·3	21·3	
10·5		8·3	3·8	
	+ 1	31·4	+ 0·1	

6961—7020.

mag.	18h. m	s	—23° ′	
9·7	6	11·8	10·2	
10·5		14·3	33·0	
10·4		14·8	37·0	
10·4		18·3	6·1	
10·0		20·3	50·4	
10·4		30·3	10·8	
10·0		36·8	13·7	
8·8		42·8	42·0	9·5 am
10·1		47·3	12·6	
10·2		50·3	12·9	
10·1		52·8	3·8	
8·8		55·3	25·2	
9·4		57·3	12·8	9·5
8·8	7	3·3	9·0	9·5
10·3		3·8	15·8	
10·4		4·3	15·8	
10·4		5·8	1·8	
9·2		12·6	47·9	
8·6		12·8	5·1	8·5 M–m
10·2		13·5	1·8	
10·4		15·8	55·8	
9·7		17·1	21·1	
10·4		19·3	29·7	
10·0		24·3	13·1	
8·8		26·3	56·3	9·2 a
10·4		31·8	42·8	
10·4		37·3	37·8	
9·9		41·3	13·8	
10·5		41·8	5·9	
8·9		43·3	59·8	
10·4		43·8	28·6	
10·5		44·8	36·3	
10·5		45·8	29·0	
8·1		54·8	9·2	8·5 am
9·3		55·5	46·3	:
10·5	8	1·3	19·9	
10·5		10·3	38·5	
8·8		11·3	50·8	9·0 a
9·2		13·6	35·9	
10·1		15·8	21·7	
9·6		21·1	16·4	
9·6		21·8	32·8	
9·9		22·8	49·4	
9·4		25·8	4·4	
10·0		42·1	9·4	
9·3		42·6	30·6	
7·6		56·1	56·4	8·2 Gaml
8·6	9	2·6	15·4	9·0 G=m
8·9		13·5	1·1	
10·3		15·1	2·9	
10·0		21·6	5·6	
9·6		22·1	19·8	9·5
8·6		29·1	15·2	9·5
10·3		32·5	1·7	
10·2†		41·2	52·5	
8·6		47·1	25·7	
9·3		52·1	56·3	a
8·3		59·1	37·8	GWa
9·6	10	5·6	15·7	
7·8		12·1	19·1	8·5 b≥ml
	+ 1	31·3	+ 0·3	

7021—7080.

mag.	18h. m	s	—23° ′	
10·3	10	21·1	23·4	
8·8		29·1	41·8	9·0
8·8		41·6	20·9	
9·0		42·1	31·0	8·5 a
8·6		51·6	5·4	
10·0		53·6	36·6	
10·0		55·6	37·6	
9·5		56·1	11·3	
9·0	11	9·5	1·7	
10·2		10·1	21·7	
10·2		15·6	30·4	
8·9		15·6	6·8	9·0 M–m
9·4		37·6	45·7	
10·3		42·1	55·1	
9·0		53·6	21·4	
9·6		55·6	30·7	9·2 a
9·6	12	10·1	13·6	
9·0		11·6	12·7	am
8·8		18·6	21·8	8·0 GWal
9·6		39·6	17·0	M
9·5		49·4	52·4	
8·6	13	0·4	22·8	9·0 a
10·2		3·9	53·3	
9·6		7·9	28·4	
10·3		13·5	59·9	9·2
9·8		25·9	29·8	
10·3		37·9	8·0	9·0 Mm
9·3	14	8·9	29·8	
9·0		11·4	13·7	
9·4		20·4	29·1	
9·0		22·9	19·8	8·8 a
9·3		23·4	17·4	9·5
9·5		35·9	16·6	
10·3		36·9	54·2	
9·6		42·4	47·2	
10·3		52·4	17·6	a
9·5	15	6·4	30·0	–
10·3		9·4	0·3	
10·0		10·4	38·5	9·5
10·3		25·7	38·4	9·0
10·3		25·9	6·4	
10·3		36·4	0·1	
10·3		49·4	35·1	
8·6		57·4	7·3	9·0
9·5	16	1·4	6·4	9·0 =
9·6		4·9	23·7	9·0 –
10·2		13·9	36·9	
10·0		17·9	19·2	
9·4		33·9	6·2	
8·9	17	5·9	10·4	9·5
10·3		12·4	20·4	
10·0		22·9	10·7	
9·5		25·9	18·9	
9·3		30·4	1·7	9·5 G
8·9		33·5	2·8	8·5 Gaml
10·2		52·9	2·1	
8·6	18	8·4	8·9	8·5 Gaml
8·8		12·4	17·8	9·5 a
10·3		12·9	6·4	
9·5		21·9	24·5	
	+ 1	31·3	+ 0·5	

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7081—7140.

mag.	18h. m	s	—23° ′	
8·6	18	28·4	33·0	9·5 =
9·2		44·9	45·0	
8·4		55·9	24·8	9·2 al
10·2		56·3	45·2	
7·8	19	5·8	30·3	8·0 GWal
10·0		10·6	1·7	
9·5		43·3	51·0	9·5
10·0		53·3	47·8	9·2
9·0	20	24·3	32·6	9·2
7·6		33·3	4·4	7·5 GScl
9·2		33·3	24·0	
9·8		40·3	0·9	
8·6		40·8	38·4	9·0 =
10·0		49·3	51·6	
10·0		53·8	15·8	
9·8	21	12·3	19·1	
10·0		26·3	45·3	
9·8		37·3	56·1	8·7 –
10·2		40·8	25·4	
9·9†		45·5	57·9	
10·2		46·5	3·0	
9·4		50·3	44·3	
9·2		53·8	54·9	8·7 –
10·2		55·3	56·1	
8·9	22	2·8	1·4	
10·0		13·8	16·6	
10·3		23·8	24·0	9·0 G
10·0		27·8	46·8	
10·2		30·5	29·3	
9·8		53·3	50·7	9·0 –
8·1		53·8	19·8	7·5 GWbc
10·0	23	0·0	58·1	9·0 –
9·6		43·3	11·9	
8·1		44·3	23·8	8·0 GWal
9·2		46·8	3·8	
10·2	24	6·8	44·9	
10·2†		22·3	58·5	
9·0		27·5	1·6	9·5
10·0†		36·9	53·3	
9·6		41·8	6·8	
9·2	25	13·3	58·1	
10·2		27·8	50·3	
10·0		32·3	46·1	
9·8		34·9	9·8	
10·3		37·9	9·2	
8·3		43·4	36·6	9·0 Mb=m
10·3		51·4	0·8	
9·6	26	3·9	9·8	
9·6		33·4	25·9	
10·0		53·9	3·2	
10·0	27	16·1	2·0	
9·2		16·9	38·8	
10·0		20·4	31·2	
10·4		25·6	18·9	
9·8		34·4	44·1	9·5
10·4		41·1	14·5	
10·4		43·1	42·8	9·5
9·8		43·8	9·5	
9·8		43·8	39·0	
10·4		44·1	9·0	
25pr.	+ 1	31·3	+ 0·8	

7141—7200.

mag.	18h. m	s	—23° ′	
9·2	27	56·1	18·1	9·5
10·4	28	5·6	54·2	
9·0		17·6	38·2	–
10·4		19·1	19·4	
9·1		23·5	9·9	
9·6		33·5	52·3	
9·2		40·6	47·7	
9·0		46·1	27·4	9·0 –
neb.		49·1	59·4	
9·2		50·0	8·1	
10·4		55·5	28·1	
10·0		59·5	15·4	
9·4	29	10·0	51·9	8·5 Gam
10·4		16·0	57·5	
9·8		46·0	25·6	
10·4		46·5	22·0	
8·4		46·5	42·9	9·5 a
9·8		51·0	15·9	
10·4		56·0	32·2	
9·8	30	12·5	20·3	
10·4		13·0	48·9	
8·0		14·5	29·9	8·5 GWbl
10·4		15·5	17·8	
8·6		22·5	17·7	8·5 G
10·4		23·5	51·2	
8·6		33·0	49·3	9·0 b
8·2		52·5	12·3	7·5 GWal
10·0		53·5	54·7	
5·8		55·5	36·5	6·0 GSμβ
10·4	31	8·0	34·1	
8·6		22·0	2·9	8·5 GMm
9·6		22·5	40·6	
9·6		23·5	56·2	
7·2		26·5	17·2	7·5 GSlβ
10·4		57·5	13·6	
10·4	32	5·3	2·0	9·5 G
10·4		8·5	59·1	
9·6		8·5	7·9	10·0
9·8		13·8	1·9	9·0 G
10·0		23·5	13·0	
9·8		41·5	53·5	
9·1		45·5	47·5	
9·4	33	10·5	15·0	
10·4		22·5	25·3	
10·0		26·5	38·0	
9·4		39·8	10·8	
9·8		40·0	51·8	9·5
10·4		52·3	57·1	
9·1		55·3	19·5	10·0
9·6	34	12·3	27·9	
6·8		14·1	57·0	6·7 GSπβ
10·2		16·3	20·2	
10·2		16·3	36·1	
10·0		20·8	33·4	
10·4		22·3	19·2	
10·4		32·3	14·3	
9·6		35·3	11·5	
8·4		36·8	15·0	9·0 G–
8·4		39·3	24·4	8·2 G=
10·4		56·3	17·4	
	+ 1	31·2	+ 1·1	

7201—7260.

mag.	18h. m	s	—23° ′	
9·0	34	57·3	11·5	
9·8	35	0·8	11·1	
9·6		0·8	17·9	
9·6		3·3	42·8	
10·4		10·3	25·0	
10·0		16·8	7·6	
9·8		21·3	28·4	
10·4		22·3	38·5	
10·0		23·9	2·5	
10·0		29·8	10·2	
9·8		32·3	57·0	
10·4	36	1·3	19·1	
10·2		2·3	8·1	
8·4		5·3	21·0	9·0 a
10·4		18·3	10·4	
10·4		22·3	26·3	
10·0		24·3	47·6	
9·0		34·3	31·8	
9·2		39·3	7·8	8·8 G
9·6		40·8	9·2	9·0 G
9·6		41·3	41·5	
10·4		42·3	43·7	
9·6		45·3	8·6	
9·6		49·3	23·5	
9·2		49·3	23·4	9·0 a
9·2		56·3	57·3	
10·4	37	3·3	46·6	
9·8		9·3	52·8	
10·2		21·8	30·3	
10·0		22·3	39·6	
9·0		23·8	45·8	9·0 G=
9·4		23·8	9·5	
10·4		24·3	48·2	
10·4		28·8	13·3	
8·4		29·3	22·3	9·0 a
9·4		36·3	53·8	
9·6		44·4	44·8	
9·6		52·3	31·8	
9·0		52·4	56·7	
10·4		59·4	31·1	
9·6	38	12·3	54·4	
9·6		19·3	47·2	9·0
9·2		49·8	22·2	
9·8		57·3	7·8	
10·4	39	12·4	34·3	
8·7		13·3	13·8	9·5 a
10·4		13·4	38·4	
8·0		14·8	45·2	Gka
10·0		22·3	8·2	
10·0		26·3	38·0	
9·6		31·8	19·4	9·5
9·8		39·3	28·1	
10·4		41·3	58·8	
10·0		57·3	14·4	
9·4	40	9·3	14·0	
8·4		20·8	23·4	9·5 a
9·8		26·3	36·6	
9·8		38·1	2·3	9·0 G
9·8	41	2·8	21·0	9·0 a
10·4		29·8	1·1	
	+ 1	31·1	+ 1·3	

7261—7320.

mag.	18h. m	s	—23° ′	
9·6	42	13·3	30·0	9·5 Mm
10·4		32·3	33·0	
9·6		35·3	14·6	
9·8	43	20·3	6·0	
9·8		21·3	6·8	
8·7		21·3	44·6	9·0 am
9·0		32·3	11·6	
10·4		42·3	41·2	
9·4		58·8	16·5	9·5 G
10·4	44	11·3	46·2	
9·4		25·3	31·0	
10·2		32·3	9·4	
9·6		56·3	1·4	
10·0		59·8	32·2	
9·8	45	15·8	56·0	
9·6		25·8	40·0	
9·8		34·3	22·9	
9·0		35·3	30·9	9·0 G≥
10·4		37·1	1·6	
10·0		46·3	56·2	
9·8		53·8	1·5	
9·8		55·8	56·6	
9·2		55·8	3·4	
9·8	46	13·8	11·1	9·0
9·8		13·8	9·1	
9·6		16·8	49·8	
9·8		20·8	4·6	
9·4		32·8	5·2	9·0
9·8		35·8	43·7	
9·1		37·8	7·9	
8·4		41·5	2·9	9·0
9·6		52·8	44·2	
8·4		52·8	52·4	am
9·6		53·8	12·7	
9·2		56·3	7·7	
9·6		56·5	48·9	
10·4	47	1·5	34·8	
10·4		2·8	21·4	
10·4		3·5	22·5	
9·8		13·0	35·4	
9·6		16·3	1·3	
10·4		29·5	20·0	
9·0		43·8	50·8	
9·8		53·3	39·5	
9·6	48	13·0	32·2	
8·4		22·0	54·5	9·0 Ga
5·8		25·8	19·8	6·3 GSlπ
9·6		31·5	5·0	
10·4		43·3	47·1	
9·8		44·8	6·9	
8·7		45·8	26·3	
10·2		45·8	6·9	
7·5	49	0·8	18·2	8·2 GWlπ
10·4		2·3	22·0	
10·2		5·3	28·1	
7·9		11·8	24·9	8·8 Gal
8·6		16·3	27·5	9·2 Ga
9·7		24·8	24·3	
10·0		38·2	57·1	Mm
9·3		41·8	59·3	
	+ 1	31·0	+ 1·7	

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7321—7380.

mag.	18h.–19h. m s	−23° ′	
10·4	49 42·3	10·8	
9·5	42·7	1·9	
10·4	51·3	42·6	
8·8	50 2·3	22·0	a
10·0	4·8	25·0	
9·2	12·8	59·7	
8·5	15·8	13·5	8·5 Gam
9·6	26·3	46·9	–
9·6	41·3	53·9	
9·6	47·8	16·2	
9·8	51 2·0	57·7	
9·8	17·1	30·7	
10·0	21·1	36·0	
9·0	23·1	15·0	9·0 Gam
9·2	36·1	13·1	
8·7	55·6	26·0	8·0 Ga
9·3	52 6·1	52·6	Mm
9·2	12·6	6·8	
8·6	31·1	13·7	8·5 Ga
8·0	53 3·4	2·5	8·5 Ga
9·4	4·6	26·8	–
10·4	6·8	36·8	
9·3	16·1	27·6	M=m
9·7	39·1	39·7	
9·5	42·6	4·5	
10·4	42·8	37·3	
8·2	50·1	24·0	8·0 G≡tπ
10·0	52·6	16·2	
10·4	54 2·1	27·1	
9·6	16·1	54·1	
9·0	20·7	2·6	8·5 a
8·2	39·1	52·2	8·5 GM–m
9·8	55 2·6	45·3	=
9·8	30·1	8·5	
9·6	47·1	52·0	
9·7	53·6	5·5	a
9·7	55·5	57·9	
9·8	56 7·6	16·0	
10·4	35·1	42·5	
7·1	41·6	4·7	7·0 GSel
10·0	57 42·7	54·1	a
8·9	48·2	45·7	a
8·4	58 28·7	2·2	8·5 am
9·5	35·9	0·8	
10·0	56·2	56·0	
7·8	58·2	26·4	7·5 GWa
10·4	59 6·2	4·8	
9·4	15·8	1·8	
10·4	59·7	4·3	
9·5	0 7·2	30·9	
10·4	8·2	26·1	
9·5	20·2	19·5	a
10·0	26·2	42·9	
8·[illegible]	39·2	21·8	a
10·4	52·7	33·1	
7·6	1 12·0	23·0	7·0 GSel
9·3	21·0	39·4	9·0
9·5	23·0	56·1	
10·4	25·5	26·1	
9·6	43·5	40·7	
25pr.	+1 30·9	+2·0	

7381—7440.

mag.	19h. m s	−23° ′	
9·0	1 47·5	42·5	8·0 Ga
9·8	56·5	48·1	
7·6	2 1·5	23·3	8·0 GWal
9·6	16·5	14·4	
10·0	28·0	42·1	
8·6	43·5	16·9	9·5 Ga
9·6	54·5	48·2	
9·6	3 19·0	40·6	
10·2	4 23·0	39·0	
7·1	29·0	56·7	8·5 Gam
9·3	38·0	6·5	–
10·4	38·0	53·8	a
9·6	38·5	2·0	
8·8	42·0	49·7	
7·6	56·5	14·5	Gal
10·4	5 4·0	20·7	
9·5	14·0	38·7	
10·0	19·5	8·1	
8·0	23·0	0·5	al
8·3	31·0	55·0	Gam
9·4	35·5	26·7	–
10·4	43·0	28·1	
10·4	54·1	50·3	
9·8	56·1	2·3	
10·4	57·6	24·5	
10·4	6 7·1	27·5	
8·8	26·6	8·5	8·0 Ga
9·0	31·1	23·9	
9·0	34·6	16·6	9·0 –
10·0	38·6	33·8	
9·7	40·6	8·8	
10·4	42·1	26·2	
9·6	50·6	31·7	
9·6	7 40·2	50·7	
9·5	40·7	49·9	
10·4	51·9	27·3	
9·2	59·7	54·9	–
10·2	8 2·2	41·8	Mm
10·4	8·8	24·6	
10·0	17·9	15·8	
10·4	45·9	21·2	
10·4	9 5·4	8·7	
8·5	18·0	26·3	G≥m
9·8	59·4	20·6	
9·2	10 6·9	8·2	=
10·4	14·9	20·9	
10·0	26·4	5·4	
9·8	33·4	49·5	
10·4	38·9	51·7	
8·5	48·4	25·2	9·0
10·0	50·4	14·2	
10·4	53·4	10·2	
9·4	11 24·9	4·6	
8·2	43·4	47·0	8·0 Wam
9·2	12 5·4	27·1	
10·4	14·4	7·9	
8·6	40·4	37·1	9·5
8·8	13 9·9	17·0	8·5 =
8·0	12·4	56·7	8·5 =m
9·4	22·4	40·0	
	+1 30·7	+2·4	

7441—7500.

mag.	19h. m s	−23° ′	
10·4	13 30·4	43·5	
8·0	31·4	51·0	8·0 Gam
10·4	43·4	24·1	
9·7	45·9	51·2	
10·4	55·4	25·2	
9·4	14 15·6	15·2	9·0 –
9·0	25·6	12·8	8 5 =
10·4	34·6	2·1	
9·4	50·1	15·1	
10·4	55·6	38·3	
9·0	15 5·6	49·0	9·0 am
10·4	13·6	6·0	
10·0	15·6	42·6	
10·4	26·6	8·9	
9·7	44·1	19·5	–
10·4	45·6	25·7	
9·2	16 5·6	49·2	
9·7	10·6	17·5	
10·0	26·1	22·1	
8·6	32·6	18·0	Ga
8·2	32·6	33·1	9·0 G≡
10·4	36·1	6·0	
10·2	36·6	38·8	
10·0	38·1	16·8	
10·4	38·6	50·0	
8·6	40·6	40·7	9·0 =
8·5	17 2·6	24·8	8·5 W≡
10·4	6·7	2·1	
10·0	25·1	1·6	
7·6	35·1	16·9	8·0 GW
8·5	35·6	35·9	9·0 ≡
9·2	38·6	4·0	
10·4	59·6	4·0	
9·6	18 3·1	40·0	9·0
8·8	8·6	22·7	W
9·2	26·6	17·7	–
8·3	19 46·0	35·6	8·5 a
10·4	54·0	22·0	
10·4	20 12·0	37·3	
9·7	12·5	43·9	
10·4	19·5	40·1	
10·4	21·5	33·1	
10·4	23·5	5·1	
10·4	26·5	32·4	
8·8	33·0	7·5	9·0 GWa
9·6	53·5	57·1	
10·4	55·7	31·2	
10·4	56·5	47·0	
10·4	56·7	6·7	
9·4	21 8·5	18·1	
10·0	49·0	11·8	
9·4	22 8·5	13·4	
9·0	16·0	13·7	
10·4	26·0	55·2	
9·7	54·0	30·9	
10·2†	23 10·0	50·8	
10·4	22·5	49·1	
9·4	27·5	22·9	W–
9·2	33·0	47·8	
9·6	33·0	9·9	
	+1 30·5	+2·8	

7501—7560.

mag.	19h. m s	−23° ′	
10·4	23 36·7	58·8	
8·4	44·0	52·4	9·0 –
9·2	24 2·0	12·4	
10·4	9·0	50·2	
10·4	9·5	30·7	
8·0	11·5	21·4	Wb≡l
9·0	26·0	50·2	8·8 am
10·4	47·0	15·5	
10·4	49·5	24·1	
9·8	52·5	29·3	
7·9	55·5	0·3	8·0 GWam
10·4	57·0	1·7	
10·4	25 12·0	4·4	
10·4	42·9	42·0	
10·2	26 6·9	15·0	–
10·4	16·9	39·5	
10·4	25·4	46·0	
10·4	32·4	18·8	
9·0	33·4	33·5	9·5 Ga
9·2	35·7	0·5	
9·8	39·9	17·1	
7·8	46·4	35·6	8·5 Gam
9·2	54·8	37·5	9·5 a
9·2	27 3·4	27·9	9·0 –
8·5	12·8	16·1	
8·6	21·0	38·6	
10·0	37·4	8·0	
10·4	37·4	22·8	
9·7	40·4	19·2	
7·7	28 7·4	34·8	Gactπ
10·0	20·9	15·4	
9·4	58·9	5·5	a
10·4	29 2·3	23·7	
9·8†	6·3	58·2	
9·4	16·4	27·3	am
10·3	58·6	59·1	
9·4	30 3·6	16·3	
8·8	26·6	29·7	9·5 a
9·8	44·6	14·6	
9·8	44·6	31·8	
10·2	50·6	9·9	
8·5	32 16·6	0·8	M–m
6·4	18·1	42·5	GSπμβ
10·3	23·6	33·7	
10·3	36·6	36·9	
6·9	36·6	42·7	GSπμβ
7·6	52·6	36·9	GWtlπ
8·4	55·6	0·6	M–m
9·6	33 21·1	27·1	
8·8	33·6	56·2	8·8 GW=m
9·6	35·1	39·3	
9·8	36·6	34·3	
10·3	34 6·6	51·9	
7·7	10·6	55·4	8·5 Gwbl
9·8	24·6	15·9	
9·4	34·6	52·5	
9·0	40·6	56·7	9·2 Gw
8·8	35 16·6	21·4	–
10·3	22·6	39·0	
10·2	40·6	50·9	
	+1 30·2	+3·1	

7561—7620.

mag.	19^h m	s	—23° ′	
8·4	35	52·6	54·5	8·5 am
10·3		59·6	34·6	
8·4	36	10·1	52·3	9·5 Gam
7·8		56·6	26·7	8·5 Ga
7·1	37	4·6	9·1	7·5 GWbl
8·2		10·6	33·5	7·8 GWbl
9·2		21·6	34·0	
8·4		47·4	3·0	9·0
10·3†		51·9	57·6	
9·0		57·6	36·7	
8·5	38	15·6	19·4	b
9·8		40·6	19·3	
9·0		41·5	21·8	a
9·4		42·5	28·7	
9·0		44·6	52·7	9·0 –
9·4		49·5	24·8	
10·4†	39	6·4	56·1	
10·0		11·5	18·1	
9·4		40·0	6·1	a
8·2		41·5	41·0	8·5 a
9·8	40	1·0	36·2	
8·0		1·5	7·0	8·5 Gam
9·8		34·5	14·8	
9·2		55·0	24·8	9·0 a
9·8	41	13·5	59·9	
10·2		15·0	4·8	
10·3		18·7	40·8	
9·8	42	22·5	17·8	
10·3		40·5	51·5	
7·1		47·5	5·6	8·2 Gaml
8·8		53·5	55·3	9·0 –
9·8	43	13·5	7·8	
9·4		26·5	53·0	10·0
8·5		36·5	40·6	9·5 am
10·3	44	4·5	33·6	
10·3		34·5	43·0	
9·6		54·5	5·0	
10·3	45	7·0	3·4	
7·1		22·5	28·4	GWam
9·8		29·7	28·9	
10·3		33·0	5·0	
10·3		56·5	16·5	
8·2	46	3·0	42·8	9·5 a
9·8		13·5	34·0	
10·2		56·7	10·6	
9·8	47	20·7	52·4	
9·2		26·0	24·0	
9·6		26·9	58·6	
9·4	48	10·3	33·3	
9·4		14·5	9·2	
9·4		17·9	15·3	
9·0	49	3·5	33·8	
9·2		5·0	28·7	
7·0		12·9	23·7	8·0 GSel
8·7		13·1	2·8	8·5 G
9·0		23·5	20·6	9·5
9·1		29·3	43·4	
9·4	50	8·3	48·3	
8·2		14·6	15·9	9·0 am
9·4		42·7	59·3	
25pr.	+ 1	29·9	+ 3·6	

7621—7680.

mag.	19^h–20^h m	s	—23° ′	
7·2	50	54·6	39·8	8·2 Gal
9·4	51	7·5	26·9	
8·4		32·9	40·4	8·2 Gal
8·8		34·6	55·7	
9·3		51·3	47·4	
9·4	52	21·5	1·7	
9·2		37·4	1·1	
8·8		38·5	34·3	
9·4		39·1	10·2	
8·4	53	10·6	10·6	10·0 GW
9·3		49·1	32·3	
6·8		59·1	4·8	6·0 GSlπ
9·0	54	22·6	27·5	a
8·8		51·1	49·4	
9·0	55	12·1	10·7	8·8 Gam
8·8		34·4	35·0	–
8·8		46·5	59·9	10·0 ≡
8·2	56	2·6	18·0	8·5 Gaml
8·7		17·8	55·1	
8·2		36·5	34·3	8·8 =
9·4	57	6·0	41·0	
9·4		8·3	14·5	
8·7		11·8	7·5	a
9·3		19·0	45·2	
8·7		39·3	4·1	
•9·4		42·5	6·1	
9·4		42·5	12·1	
9·2		53·3	29·8	
9·4	59	7·0	39·2	
9·4		18·5	57·5	
8·6	0	11·3	50·4	9·5 Gb
8·7		12·3	45·7	
8·8		16·5	50·4	
9·4		17·4	58·0	
7·2	1	9·3	56·9	7·8 Gaml
9·4		11·1	46·4	
8·8		23·8	3·1	
8·4		25·6	3·4	am
8·2		55·6	14·1	9·0 am
9·4	2	30·1	53·2	
9·4		47·6	47·2	
8·8	3	14·6	40·0	
9·0		39·1	29·5	
9·4		53·3	30·0	
9·4	4	30·4	58·7	
8·7		53·4	44·4	9·5 G=
7·4	5	14·1	48·7	8·4 Gam
8·7		17·3	37·3	G
9·4		21·5	16·6	
7·9		29·6	21·5	8·0 GWam
9·1		52·8	4·3	
9·2		56·5	32·9	b
9·1		58·1	29·3	9·5 b
9·2	6	39·1	36·4	
8·4		50·1	15·3	9·0 Gam
9·4		51·2	27·2	
10·4	7	23·3	34·0	
10·0		57·3	20·9	
9·8	8	8·1	44·9	
9·0		14·3	28·3	
	+ 1	29·4	+ 4·2	

7681—7740.

mag.	20^h m	s	—23° ′	
9·1*	8	24·8	52·2	
9·1		43·0	51·9	
9·1		45·0	46·9	a
7·7		45·8	53·5	8·0 Gbml
9·6		51·8	39·7	
10·0		52·3	40·3	
10·4	9	3·8	42·2	
10·0		7·8	4·3	
9·8		28·8	38·2	
10·4		35·8	19·6	
9·8		41·3	21·6	
9·8		54·8	9·2	
10·2		56·3	39·9	
10·4		56·3	41·7	
10·0	10	2·3	36·7	
9·8		19·8	14·7	
9·6		42·3	6·3	
9·6		43·0	0·8	
9·8	11	7·3	16·6	
10·4		13·1	2·3	
10·2		26·3	26·3	
9·0		34·3	27·8	–
9·6		43·3	47·3	
9·2		44·3	5·0	
10·0		53·3	41·6	
10·4		55·3	38·1	
9·5		57·3	30·0	
10·0†		59·8	56·5	
9·6	12	6·8	41·7	
8·3		13·3	7·1	9·0 GMa
9·2		32·3	10·0	a
10·0		32·8	31·5	
9·5		37·3	4·9	
9·4		44·3	15·6	
9·9		46·3	0·1	
9·6		48·8	32·7	
10·3		58·3	45·8	
9·4	13	10·3	28·7	
10·0		36·3	13·6	
10·4		37·3	39·0	
8·6	14	1·8	10·3	Gam
10·4		4·3	14·9	
7·7		5·3	52·3	7·8 GWal
9·0		16·3	15·8	
10·4		52·3	11·0	
9·8	15	24·3	36·6	
10·4		28·3	39·0	
10·2		43·8	15·8	
10·4		46·3	11·1	
9·8	16	34·3	4·2	
10·4		36·3	31·6	
8·6		36·3	7·7	M–m
10·4		47·8	27·0	
10·2		53·3	32·7	
7·8		55·3	52·6	8·2 GWlπ
10·4	17	9·8	35·0	
9·8		12·3	40·0	
10·2		16·3	23·5	
10·0		34·3	23·6	
10·1†		36·0	57·2	
	+ 1	29·0	+ 4·6	

7741—7800.

mag.	20^h m	s	—23° ′	
9·0	17	46·3	35·1	8·5 W–m
8·4		57·3	53·1	8·7 MWam
10·0	18	14·3	31·9	
10·0		17·3	32·2	
10·4		36·3	22·6	
10·4		44·3	18·0	
9·2	19	6·8	43·6	a
9·6		14·8	44·9	
9·8		16·3	33·6	
9·8		22·8	35·9	
9·5		24·8	51·6	
8·6		42·3	52·7	
10·0		47·3	34·2	
10·2		53·3	40·2	
10·4	20	33·3	16·9	
9·8		45·3	16·0	
8·7		46·3	25·3	8·0 Wal
10·0†	21	0·0	57·6	
9·2		6·3	5·0	
9·8		6·8	31·7	
10·4		6·8	6·0	
10·4		16·3	29·0	
10·0		37·3	25·6	
9·6		43·8	32·5	
9·4		47·3	27·4	
9·6		49·3	5·0	
10·4	22	3·8	0·0	
8·1		16·3	15·5	8·0 GWal
9·8		24·3	46·3	
8·7		26·8	3·5	
10·4		30·8	4·8	
8·6		34·3	37·0	a
9·8†		42·7	50·2	
10·4		47·7	4·9	l
9·8		49·3	40·5	
9·2		55·3	50·4	
9·8	23	9·8	25·7	
9·6†		37·2	54·6	
10·0		47·3	10·0	
10·0		53·3	11·9	
10·4		56·8	28·7	
8·8	24	18·3	8·6	8·0 G
9·6		22·8	38·1	
9·8		35·8	37·5	
9·8		40·3	0·2	W
9·8†		40·7	58·2	
9·4		46·3	34·6	8·5
9·4		58·8	8·5	
10·0	25	3·3	6·5	
9·8		6·3	11·7	
10·2		37·3	6·2	
10·4		37·3	23·0	
10·0		37·8	21·0	
9·0		50·3	36·9	
10·0	26	26·8	34·9	
8·9		46·3	40·4	8·0 GWam
9·4	27	5·3	31·3	
9·8		5·8	11·3	
9·5		12·1	4·9	
10·0		16·3	23·6	
	+ 1	28·6	+ 4·9	

7801—7860.

mag.	20h. m	s	−23° ′	
10.2	27	17.3	9.3	
9.2		32.3	12.7	
9.0		36.8	17.7	9.5 G
8.8		41.8	11.0	9.0 Gam
8.8		45.8	1.2	Wa
10.0		46.3	30.2	
9.8	28	0.8	29.2	
10.4		1.3	32.1	
10.4		3.3	0.5	
8.6		6.1	57.9	9.0 b≡l
10.4		10.3	31.3	
8.6		27.6	57.8	9.0 –
9.4		31.8	24.3	
10.2		58.3	2.8	
10.0	29	3.3	30.3	
8.8		4.5	8.4	9.0 am
9.8		57.5	23.0	
9.4	30	44.0	9.9	a
9.6		54.0	8.3	
10.3		55.3	54.7	
9.0	31	52.5	10.7	M–m
10.2	32	28.5	45.5	
8.6		34.5	23.5	–
10.2		36.0	44.8	
8.8		36.5	15.9	Gam
9.6		38.5	15.1	
8.1		43.0	28.2	8.5 a
8.7		43.5	50.1	
8.6		45.0	26.0	
10.3		54.5	0.5	
9.6	33	18.0	46.6	
10.2		30.5	41.2	
10.3		51.2	58.4	
9.9		54.3	17.7	M–m
10.3		59.9	25.0	
8.0	34	33.4	34.8	8.0 Gam
9.8		51.4	17.6	–
8.6		53.4	26.7	8.0 Gam
9.1		53.4	4.4	–
10.3	35	6.4	38.3	
9.8		50.9	8.4	
7.8	36	18.9	55.1	8.0 Gaml
8.2	37	19.4	38.1	am
10.3		46.9	36.1	
10.3		50.9	36.9	
8.6	38	8.5	3.1	a
10.2†		10.3	58.8	
9.6		24.9	18.7	
9.6		31.9	23.1	M–m
8.4		57.8	58.8	a
10.4†	39	29.3	59.5	
9.6		38.9	53.7	
10.3	40	13.4	17.9	
8.6		29.4	55.9	7.8 Gam
10.3		41.9	20.1	
8.8		49.9	54.4	8.8 Mam
7.5		58.9	18.1	GWtlπ
10.3	41	0.9	55.1	
7.4		4.4	11.6	7.5 GSlπ
9.6		29.9	48.1	
25pr.	+1	28.2	+5.2	

7861—7920.

mag.	20h.–21h. m	s	−23° ′	
10.2	41	45.5	29.2	
10.0		45.9	45.4	
10.4	42	13.2	1.2	
10.4		28.3	20.7	
10.0	43	14.9	8.4	
9.6	44	9.9	18.1	
10.2		33.4	42.1	
8.7		39.4	10.1	9.0 Ga
9.8		46.4	23.6	
10.2	45	4.3	11.9	
10.2		22.4	51.8	
10.3		22.9	51.1	
9.6	46	15.0	18.1	
9.8		39.0	58.6	
10.4†		55.7	54.0	
10.3	47	4.5	52.1	
10.3		9.0	8.2	
9.8		20.0	32.4	
9.0		47.8	19.4	a
10.2	48	24.8	18.0	
9.6		38.0	45.3	
9.9		51.8	27.5	
9.7		55.0	29.4	
9.0	50	50.5	26.2	9.5 –
9.9		55.0	13.9	
9.7		59.5	2.1	
9.0	51	37.0	33.6	
7.8	52	45.0	11.2	8.0 Gaml
8.6		51.0	14.0	8.5 bm
8.6	53	4.5	43.7	M–m
9.2		33.7	0.5	
8.6		41.8	56.6	
9.0		47.4	2.0	
9.7		54.0	34.5	
7.7	54	1.5	21.7	8.0 Gaml
8.5		9.5	33.8	7.5 Gal
9.9		13.0	44.7	
9.7		14.5	13.6	
9.0		38.0	4.1	
9.0		58.1	15.7	
9.2	55	44.1	25.4	
10.2†		49.5	54.1	
8.5	56	23.6	8.0	9.0 Ga
9.9	57	15.3	0.3	
10.2†		19.7	51.4	
9.5		22.1	33.1	
9.0		50.6	11.1	
9.9	58	23.0	12.0	
9.2		24.1	22.1	–
9.7		33.1	27.0	
10.0†		44.7	55.2	
9.9		46.6	45.0	
9.8		55.0	33.2	
7.6	59	36.1	42.9	7.5 GSal
9.2		37.6	5.3	
7.0		48.1	38.8	7.0 GSal
9.9		49.6	17.3	
9.7	0	33.1	38.4	
9.2		35.1	7.1	
9.2		51.1	47.5	
	+1	27.3	+5.8	

7921—7980.

mag.	21h. m	s	−23° ′	
9.5	0	55.1	31.3	
9.7	1	9.6	42.1	
9.8		17.0	42.0	
8.9		35.1	25.9	GWa
9.7	2	17.1	33.9	
9.0		27.1	8.1	9.5 Wa
9.7		42.6	12.1	
8.0		46.1	2.0	8.0 GWal
9.2	3	9.1	11.9	
9.9		13.0	23.6	
7.6		25.1	48.9	8.0 GW≡
9.2		32.1	4.5	
9.7		38.1	6.5	
9.2		57.6	21.7	
7.7	4	21.1	37.1	8.0 GWam
9.2		38.3	50.6	
9.9		46.1	23.1	
9.0		52.6	3.3	a
9.4	5	15.9	57.3	
9.9		16.6	11.7	
9.2		27.6	27.9	
9.5	6	2.6	34.5	
9.2		12.6	2.5	
7.3		13.1	16.3	7.5 GWal
7.6		15.1	3.5	8.0 Gal
8.9		44.4	9.8	
8.0	7	20.2	23.5	8.0 GMam
9.6†		30.1	52.4	
9.7		49.1	24.1	
8.8	8	1.3	2.7	9.0 Gam
8.2		49.9	41.5	9.0 am
9.0	9	24.9	34.1	
8.2		30.4	19.8	9.0 GMam
11.0†	11	48.0	58.4	
9.9	14	2.7	56.9	
9.0		5.9	55.3	9.5 am
9.2		32.4	52.1	
9.4		42.9	54.0	
8.5	15	3.4	57.1	9.5 Mam
8.4		6.8	13.9	W–m
9.2		17.2	3.1	
7.4		50.8	12.1	6.0 GSlπ
10.0	16	6.8	50.7	
7.2		58.3	16.8	GSlπμ
7.5	17	12.3	49.5	7.2 GWlπ
9.9		19.3	2.9	
10.1		47.3	8.9	
9.9		49.8	51.0	
8.2	18	6.8	48.0	W–
8.4		25.8	31.4	a
9.6		33.8	43.8	
8.6		55.3	57.1	
9.4	19	0.3	0.5	W–
10.1	20	24.3	36.0	
9.0		28.8	39.1	
10.1		51.3	46.2	
9.2		56.8	28.2	9.0
8.8	21	30.8	12.9	–
9.8		39.8	12.0	–
10.0	22	6.8	53.1	
	+1	26.7	+6.1	

7981—8040.

mag.	21h. m	s	−23° ′	
9.9	22	19.3	4.6	
9.0		44.8	47.3	10.0 GWa
9.2		55.3	45.3	9.5 GWa
10.0		59.8	18.7	–
10.1	23	23.3	17.4	
11.0†		56.4	55.9	
9.0	24	15.8	7.3	–
9.6		56.8	24.3	b
10.0		58.3	17.7	
8.0	25	5.8	36.6	MWK≥m
8.2		15.3	10.9	Ga
10.1		37.1	39.5	
9.7		47.8	28.1	
10.1	26	19.3	3.2	
9.6		37.0	26.5	
10.1		44.5	24.2	
9.7		50.2	0.7	
9.4		55.6	30.9	
11.1†	27	42.9	50.0	
8.7	28	14.5	40.4	8.0 Gam
9.5		25.6	2.7	a
9.6		52.2	4.0	
9.6		58.2	15.9	
8.9	29	5.1	22.7	9.0 a
9.8	30	16.2	56.6	
9.4		43.7	30.2	
8.0		51.7	37.6	am
9.9		54.2	4.9	
10.0		54.7	8.3	–
8.8	31	17.2	51.3	
8.9		26.7	42.5	a
9.6	32	3.7	29.0	
10.0		7.7	38.2	
8.0		50.2	45.7	9.0 bm
9.5		51.7	55.0	
neb.	33	15.2	44.8	–
10.0		22.7	0.2	
8.9		46.7	20.8	M–
10.0	34	3.7	4.6	
7.2		53.7	49.6	6.0 GSπβ
10.0	35	17.7	38.3	
9.6		51.2	18.3	
8.1		53.2	44.4	8.0 Gaml
10.0	36	0.7	37.4	Gka
9.6		41.1	9.0	
9.2	37	55.1	9.9	
7.6	38	0.6	8.2	7.5 Gaml
9.8		19.6	12.7	
10.0		38.1	39.9	
9.2	39	13.1	1.0	
9.2		41.1	3.6	9.0 Gam
9.5		54.6	14.8	
9.0	40	18.6	30.8	
9.9		56.1	20.9	
9.4	41	35.6	26.3	
8.3	42	3.6	23.9	8.0 Gatπ
9.2		17.1	12.4	a
9.4		34.1	19.6	
7.5	44	17.6	51.1	7.0 GSlπ
8.8	45	0.1	20.6	8.5 Ga
	+1	25.5	+6.7	

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8041—8100.

mag.	21h. 22h. m	s	−23° ′	
10·0	45	17·6	43·8	
9·2		30·7	16·0	Gka
8·5	47	15·7	33·2	9·0 Ga
10·4		50·8	39·4	
10·0	48	1·0	40·1	
9·0		2·8	12·2	
9·8		9·8	5·4	
8·8		14·2	12·2	M=m
8·5		24·0	52·9	8·0 Gb—l
8·4		40·5	38·6	8·0 GWal
10·2		42·2	7·4	
9·4		43·3	36·2	
10·4		53·8	13·6	
10·0	49	13·3	13·1	
9·8		22·3	51·7	a
10·4		47·6	4·4	
10·4	50	23·8	23·9	
8·2		23·8	16·8	8·5 ≡m
9·6		41·8	17·7	—
10·2	51	9·3	0·9	
8·0		9·8	49·5	8·2 GMal
9·8		10·0	1·3	
9·2		37·3	39·1	
9·8		51·8	28·2	
10·0		51·8	25·5	
9·6	52	4·8	8·0	
9·0		15·8	15·6	a
7·4		15·8	28·0	7·5 GScl
9·8		42·3	32·0	
10·4	53	11·3	41·9	
10·4		35·3	0·4	
10·2		35·8	0·2	
7·7		41·3	53·6	8·0 GWal
9·6		42·6	57·8	9·0 a
10·0		43·3	0·6	
8·8	54	6·8	15·7	9·0 G—m
10·0		17·0	54·0	
9·8		17·5	29·6	
10·4		38·5	54·8	
10·2		46·5	10·1	
9·8		48·0	27·3	
8·8		52·5	7·6	9·0 G=m
9·8	55	12·0	8·6	
9·6		22·5	13·0	9·5 G
9·8		39·5	9·0	
10·4		56·5	48·4	
10·2	56	6·5	52·2	
8·8		14·5	52·0	10·0
9·8		14·5	31·6	
9·1	57	44·0	48·0	
10·4		47·5	17·0	
10·4	58	19·0	50·9	
9·2		44·0	58·2	
9·8		44·0	38·0	
8·4	59	22·0	42·4	9·5 am
8·8		28·0	41·6	9·5 a
9·6		57·0	52·2	
9·8	0	10·0	13·5	
9·6		59·8	0·8	
8·8	1	3·0	13·4	9·0 GWam
25pr.	+1	24·4	+7·1	

8101—8160.

mag.	22h. m	s	−23° ′	
10·0	1	20·0	17·6	
10·4		36·5	56·0	
9·6	2	3·0	18·9	
9·1		34·5	29·4	
8·7		53·5	38·6	9·5 Mam
10·0		54·0	15·2	
10·4	3	0·0	20·9	
10·4		13·0	41·0	
9·8		14·0	5·2	
9·8		14·8	57·6	
10·4		18·0	42·3	
9·8	4	12·5	19·0	
8·8		14·0	4·8	aml
10·4		23·0	15·0	
10·4		26·0	55·2	
10·0		43·0	16·0	
10·0		52·5	2·8	
10·4		57·5	8·8	
9·8	5	6·0	55·2	
10·4		58·5	57·1	
9·8	6	17·4	10·6	
9·6		27·4	21·0	
9·8		36·9	26·8	
9·1		46·4	46·9	
9·1	7	5·4	45·1	
9·1		14·4	16·3	
8·8	8	16·4	27·7	9·0
10·4		17·4	33·9	
8·6		55·7	19·9	8·5 ≡
7·2	9	10·2	37·8	7·8 GSal
10·0		46·2	11·2	
7·0	10	3·2	45·7	6·5 GSal
9·8		24·7	24·2	
9·8		26·2	50·7	
8·0		34·7	44·2	7·8 Gaml
10·3		42·7	12·1	
10·3		52·2	25·3	
9·8	11	3·2	27·6	
10·3		22·6	56·1	
7·5		32·4	57·3	7·5 GSal
9·4		46·2	41·7	
9·6	12	3·2	43·2	
8·3		3·2	25·2	9·0 Gam
8·5		6·2	32·3	9·5 Ga
10·0		13·2	23·2	
9·6		20·2	20·0	
9·6		27·2	6·6	
9·1	13	23·2	35·8	
9·5		39·7	14·7	
9·6		49·7	2·3	
10·2		52·2	8·4	
8·5		56·2	20·4	9·0 Gam
9·8	14	1·2	8·7	
9·5		7·2	25·6	
8·8		12·7	6·5	
9·1		42·7	27·0	9·2 Ga
9·5		57·7	55·6	
10·2	15	5·6	45·6	
10·0		38·2	23·6	
9·4		55·7	39·0	
	+1	23·5	+7·4	

8161—8220.

mag.	22h. m	s	−23° ′	
10·0	16	1·2	19·8	
10·3		3·7	13·6	
9·4		11·2	34·1	
10·2		23·7	41·8	
10·3		29·7	39·8	
9·0		39·2	22·3	9·5 G
9·5		41·2	10·9	
9·6	17	16·7	9·3	
10·0		33·2	42·9	
9·6		37·2	0·1	
9·6		38·7	8·3	
9·6		38·7	46·7	
9·6		42·7	28·5	
9·8	18	6·2	51·2	
9·1		12·7	42·1	
9·6		59·2	39·3	
8·6	19	9·7	33·5	9·5 MWa
8·8		13·7	15·2	M=m
9·5		15·2	53·6	
9·6		20·2	30·4	
9·6	20	16·7	51·7	
8·2		32·7	10·2	am
8·6		55·7	14·3	9·0 Ga
9·6	21	37·2	23·3	
10·3		48·2	13·3	
8·8	22	25·7	40·2	a
9·6	23	36·2	7·5	
7·8	24	21·7	38·2	8·2 GWal
9·6		35·7	10·8	
9·0		41·2	48·3	
8·5		43·7	18·8	Wam
10·0	25	11·7	21·1	
10·3		15·7	20·8	
9·8		31·7	33·3	
9·5	26	12·7	10·6	
10·3		35·0	7·4	
9·6	27	11·0	25·1	
10·2		16·5	37·5	
8·8†		16·8	56·2	a
8·0		31·5	14·8	8·4 GWal
9·0†	28	3·5	54·7	9·0 a
10·0		32·5	3·2	
9·8	29	49·6	48·5	
10·3		51·6	18·2	
9·6	30	13·1	39·2	
8·8		22·6	33·8	
9·2		33·6	4·0	9·5
9·6		41·1	43·0	
9·6		44·1	0·8	
9·2		46·6	54·8	=
8·0	31	6·6	17·4	8·5 a
9·4		6·6	0·3	
9·8		21·6	11·8	
8·2		34·6	23·2	8·0 Gal
9·2		49·1	40·7	
8·6	32	0·6	48·9	9·0
8·4		15·6	17·1	8·4 Gal
8·4		42·6	25·7	8·0 Gal
9·2	34	5·6	18·5	
8·8		12·6	6·0	a
	+1	22·7	+7·6	

8221—8280.

mag.	22h.–23h. m	s	−23° ′	
8·2	34	32·6	12·2	—
9·8		54·1	34·0	
9·6	35	12·6	47·9	9·5
9·4		49·6	50·5	
8·2	37	14·1	47·1	a
8·2	38	13·1	38·4	8·5 Gam
8·2		20·6	45·5	9·0 Gam
9·2		23·1	28·2	
8·4		35·6	16·8	—
9·8	39	26·1	50·1	
10·3		56·1	17·5	
8·0	40	50·1	49·9	8·5 Gam
9·2		51·1	20·1	
10·3	42	6·1	50·9	
8·4		10·6	18·9	9·0 a
7·4		30·1	45·1	7·0 GSal
9·6		43·6	3·0	b
10·3	43	13·8	58·8	
8·8		20·1	22·8	9·5 Ga
8·6		54·1	22·3	9·0 a
9·8	45	46·1	13·4	
10·3		56·8	12·5	
9·0	46	2·1	35·9	9·5 a
8·4		28·6	18·2	9·0 Ga
9·8		33·1	53·9	
10·3	47	10·8	20·0	
10·2		16·1	55·1	
9·4		27·6	7·5	8·5 Sa
9·2	48	3·6	46·5	8·5 GMm
7·1		9·1	1·8	6·5 GSal
10·2		25·8	13·0	
8·6		55·0	15·9	=
8·5	51	2·4	16·7	8·5 Ga
9·8		8·4	30·3	9·0 a
10·1		34·3	4·4	9·0 a
8·2	52	36·9	29·9	8·5 G—
9·4		57·4	3·8	
9·6	53	23·4	17·3	9·0 Ga
8·1		39·9	11·8	7·5 GSbl
9·0		49·9	33·3	—
9·2	54	17·4	4·5	a
6·4		39·4	27·5	6·5 GSlπ
7·1		50·7	5·4	7·5 GSal
10·0		57·6	1·7	
9·6†		58·4	52·0	
8·4	56	13·9	17·2	8·5 GMa
8·0	57	21·9	23·0	7·8 GMal
8·5	58	11·1	49·8	—
8·2		43·1	9·6	Gal
10·1	59	19·1	45·9	
10·0		43·1	50·4	
8·2	0	4·1	27·0	—
10·1		23·5	49·6	—
9·6	1	15·1	45·1	—
9·6	2	1·6	48·8	9·5
8·4		59·1	46·6	8·5 G=
10·0	3	7·1	40·0	
5·3		14·6	8·0	5·2 GSπβ
7·7		16·6	46·9	8·5 G=
8·7	5	55·1	41·2	9·0 a
	+1	21·3	+7·9	

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8281—8304.

mag.	23h. m	s	−23° ′	
9.4	5	58.6	18.1	–
10.2	6	59.0	8.7	
8.4	7	22.7	51.0	9.0 GWa
8.4		44.1	3.5	9.0 a
9.5	8	41.4	8.7	a
9.8		50.2	18.0	
7.0	9	51.2	54.3	7.5 GSal
9.6	10	12.7	22.2	
9.4		13.7	20.3	
7.8		50.2	29.7	8.2 Gal
8.6	11	1.2	17.6	9.0 G–
10.2		12.3	4.5	
9.8		54.8	35.7	
9.8	12	14.8	24.5	
9.6		26.8	49.3	–
8.6	13	3.3	54.6	7.7 Gb≥l
7.6		24.8	30.3	7.9 GSal
10.2		47.3	34.2	
9.8	15	15.8	27.3	
9.6		30.3	57.0	
8.4	16	19.8	42.5	8.0 Ga
10.2		23.1	55.5	
10.2	17	5.8	33.4	
8.4		7.3	17.6	8.2 Ga
25pr.	+ 1	19.9	+ 8.2	

8305—8328.

mag.	23h. m	s	−23° ′	
8.4	17	21.8	0.9	8.5 b–l
10.2		30.3	14.4	
10.2		37.3	58.1	
9.6		45.8	52.4	
8.3	18	22.8	11.3	7.8 Gal
9.8		54.3	50.1	–
9.8	19	11.3	53.6	–
8.4		23.8	12.3	8.5 Ga
8.4		44.3	45.4	8.0 Gal
9.0		45.8	25.6	8.5 Sa
7.8	20	25.8	24.5	7.5 GSal
9.3	21	17.3	31.2	9.0 –
9.4		45.8	11.6	
8.8	22	35.8	56.0	8.5 a
8.6		56.3	44.7	=
7.8	23	29.8	20.8	al
8.7		40.3	11.9	a
9.6		58.8	9.0	
9.2	24	10.8	44.0	
9.3		38.3	28.9	
9.4	27	15.8	23.6	–
8.7		24.8	38.0	8.0 Ga
10.2		59.3	54.2	
10.2	29	2.0	18.2	9.0 a
	+ 1	19.3	+ 8.2	

8329—8352.

mag.	23h. m	s	−23° ′	
9.3	29	13.5	6.2	9.5
9.4		40.7	35.9	
9.6	31	35.2	17.0	
9.6		46.7	12.7	
7.1	33	10.8	13.4	7.5 GSal
9.0		54.3	42.5	–
8.8	34	2.3	26.7	9.0 a
9.4		35.8	55.8	
9.2	36	12.3	50.3	–
8.8		31.3	47.9	=
9.2		58.3	55.5	9.5 –
8.2	37	2.8	35.6	8.0 Gal
9.6	38	15.3	54.2	–
8.7		18.6	52.3	8.5 Ga
9.6		37.4	10.4	
8.3		37.6	19.2	Gal
8.7		56.1	41.8	
8.4	39	58.6	43.2	9.0 a
9.6	40	31.6	5.2	
8.2	41	21.6	43.2	8.0 Gal
8.2		23.6	18.1	8.5 Ga
9.0	42	2.6	22.0	–
8.0		40.6	55.1	8.2 Gal
9.6		44.4	25.2	
	+ 1	18.2	+ 8.3	

8353—8376.

mag.	23h. m	s	−23° ′	
9.6	42	58.0	24.1	
8.6	43	15.0	47.6	–
9.4		56.0	35.6	–
9.0	44	10.0	9.7	
8.6		23.0	58.5	9.5 =
10.0†	45	29.9	59.2	
9.4	47	42.0	38.9	–
8.4	48	12.0	43.8	GWka
9.8	49	5.9	42.7	–
9.8		21.5	40.1	GWka
9.8		29.9	15.0	
8.6	52	31.4	42.8	–
9.0		37.9	4.9	
7.7	53	27.9	7.6	8.0 al
9.8		40.9	45.6	
8.4		43.9	17.3	9.0 Gal
8.1	54	16.9	21.8	8.5 GWal
8.2		36.9	28.2	9.0 GWal
9.5	55	39.9	22.1	–
9.0		40.9	1.5	
9.4	57	5.6	58.0	–
9.6		37.9	12.0	
9.2		54.4	57.1	9.0 =
8.6	59	18.9	12.2	a
	+ 1	17.2	+ 8.4	

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ZONE — 24°.

1—30.

mag.	0h. m	s	—24° ′	
10·0	0	5·8	52·1	
9·0		13·8	6·1	a
8·4	1	7·0	31·0	8·8 Gal
7·0	2	4·5	47·3	7·8 Gal
10·0		38·5	26·4	
10·0	4	0·5	36·8	
10·0		27·0	56·0	
8·5		42·0	17·7	8·5 G
10·0	5	7·5	14·5	
7·5		14·5	19·7	8·0 Ga
9·4		54·5	57·9	
9·6		56·2	0·0	–
9·8	6	34·5	22·3	
9·4		43·5	38·2	
7·5		56·5	25·8	8·0 Ga
9·7	8	49·7	35·1	
10·0	9	29·5	49·2	
9·8	12	45·0	7·9	9·5
9·0		50·0	57·0	9·0 Ga
9·9	13	39·0	4·1	
9·6	14	1·0	22·6	9·5 G
6·6		30·0	19·3	7·0 GSbl
9·0		34·0	15·4	9·0
9·9		42·5	56·9	
8·4	15	33·0	4·8	9·0
8·0	16	1·5	32·0	8·0 G
9·5		8·1	57·6	G
9·9		31·0	37·6	
7·8	17	55·5	5·8	8·0 GWbl
8·0	18	29·3	58·8	8·2 Gal
25pr.	+ 1	16·4	+ 8 4	

31—60.

mag.	0h. m	s	—24° ′	
8·0	18	31·0	8·7	9·0 GWal
9·2		36·0	8·8	G
9·7	19	29·0	10·2	
9·8	20	41·7	14·0	
9·7	21	37·7	53·9	
9·6		44·7	40·2	
9·8	22	26·7	46·1	
9·0		40·7	35·0	a
5·8	24	7·2	28·6	5·0 GSlπ
9·8		16·7	4·7	
9·9		49·7	10·7	
9·9	25	25·2	6·0	
9·2		34·2	12·8	
9·8		56·7	49·4	
9·8	26	10·7	33·6	
9·8		39·7	36·2	
9·5		44·7	10·9	
9·6	27	2·9	59·0	
8·6		26·2	5·2	9·0 Ga
9·8		32·2	29·2	9·5
9·9	28	6·7	2·0	
8·2		45·7	10·4	8·8 Ga
9·6	29	33·7	27·4	
9·5		42·7	29·4	
9·8	31	20·0	38·6	
7·0	32	24·2	17·2	7·5 Gal
10·0		38·8	12·4	9·5
9·8	33	31·3	52·3	Ga
9·0	34	11·3	7·0	
6·9		15·3	28·8	6·2 GSal
	+ 1	15·1	+ 8·3	

61—90.

mag.	0h. m	s	—24° ′	
9·2	34	54·8	12·7	9·5
10·2	36	25·6	28·8	
9·2		34·1	56·4	a
10·2	38	9·0	50·8	a
9·6		37·6	21·6	
10·0	39	1·6	46·1	
8·4		25·1	8·1	8·5
9·2		48·1	50·6	9·0 a
10·2		58·1	3·5	
10·0†	40	4·8	1·2	
10·0		9·6	8·8	
9·1		12·1	10·8	
7·4		50·1	54·0	7·6 Gal
9·1	41	25·1	12·6	8·7 a
10·0	42	31·6	48·8	
8·4		35·6	49·5	8·3 GWb
10·2		43·1	52·3	9·0 b
6·9	43	4·1	49·1	6·0 GSbl
8·4		11·9	0·8	8·0 Wal
6·2		24·1	2·7	6·5 GSal
8·2		51·1	48·0	GWa
10·0	44	33·8	57·2	
8·0		35·6	21·0	8·5 Ga
10·2		41·1	4·9	
9·8	45	8·2	1·9	
8·0		22·6	15·6	8·0 Gb
10·0†		36·8	1·8	
9·6	46	16·1	10·0	
6·6		31·1	41·2	5·5 GSbl
8·2	47	26·6	42·1	8·8 –
	+ 1	13·9	+ 8·2	

91—120.

mag.	0h–1h. m	s	—24° ′	
9·4	47	59·6	16·6	
10·2	48	25·5	36·6	
9·0		36·0	35·9	8·8 Ga
10·0	50	3·0	30·9	
9·8		30·0	42·7	a
8·4		30·0	20·1	9·0 Ga
9·8	52	34·0	12·8	
9·2		59·0	21·9	9·0 a
10·2	53	36·8	22·3	a
8·6	54	39·6	56·8	8·7 Ga
10·2		45·6	16·0	
10·4		50·6	35·0	
8·5	55	43·6	3·7	8·2 GSal
10·2	56	8·6	35·1	
10·4		27·6	12·6	
9·0		51·6	33·3	9·0 W
9·6		52·1	46·2	9·5 W
10·4	57	9·1	44·8	
10·4	58	12·6	19·9	
8·6		14·6	56·8	9·0 a
9·6		32·6	29·1	
8·8		45·6	31·7	9·0 Ga
10·4	59	5·6	51·7	
8·2		42·6	15·9	8·2 Ga
7·4	0	4·1	39·7	6·8 GSal
9·6		5·6	9·2	a
10·4		18·6	7·0	
10·4		40·1	59·2	
10·4		45·6	24·0	
9·6		55·6	8·6	a
	+ 1	13·1	+ 8·1	

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121—180.

mag.	1h. m	s	—24° ′	
10·0	0	56·1	7·0	
9·0		56·6	32·0	
9·6		57·6	7·1	
7·0	1	8·6	39·8	6·8 GSal
10·4		25·6	45·4	
9·4		37·6	38·0	9·5 a
8·2	2	24·6	54·6	8·3 Gal
9·6		56·6	42·4	
9·4	3	5·1	4·2	
10·4		19·1	48·3	
10·0		29·6	36·6	9·5 G
10·4	5	25·6	19·8	
9·6		55·1	55·2	
9·0	6	4·6	5·9	9·5
10·4		18·1	55·4	
9·2		26·1	40·0	
10·2	7	44·1	4·9	
8·8		50·6	55·2	9·5 a
9·0	8	19·6	57·9	9·2 GWa
9·2		25·5	29·6	
8·6	9	26·5	36·8	8·5 GSa
7·4		53·5	38·0	7·5 GSa
9·2	10	8·0	34·3	
10·4		40·5	51·3	
10·0		52·0	30·2	
10·4	11	27·5	55·7	
9·2		37·5	50·4	
8·8	12	4·0	24·0	a
8·0		17·5	9·3	8·0 Gbl
9·2		24·5	3·8	9·0 a
10·4		58·5	55·1	
10·2	13	3·5	55·8	
9·0	14	6·0	50·1	9·2 a
9·8	15	10·0	13·7	
8·4		47·9	47·1	8·2 Gbl
10·4	16	26·7	46·6	
10·4		58·9	26·1	
10·0	17	26·4	38·5	
10·2		33·3	16·0	
8·6		49·7	42·7	8·0 a
10·2	19	5·0	20·0	
9·4		20·5	13·3	9·0 a
10·2	20	41·0	56·1	
8·4	21	41·0	39·9	9·0 a
10·2		56·0	36·2	
8·4	22	31·5	6·8	8·5 G
9·4		40·3	50·7	
9·0		50·3	59·3	8·8 Gb
8·4		55·8	28·3	8·2
8·6		56·7	2·6	9·0 –
7·0	26	11·5	17·3	7·2 GSlπ
10·2		44·5	52·0	
7·6	27	19·3	48·9	7·2 GSal
10·2	28	44·8	45·4	
10·2		45·9	4·8	
7·4		55·8	20·4	6·8 GSbl
9·4	29	6·8	6·1	9·5
8·2		13·3	5·4	8·5 GWbl
9·8		29·8	45·0	
9·8		46·3	45·5	
25 pr.	+ 1	12·0	+ 7·9	

181—240.

mag.	1h.–2h. m	s	—24° ′	
10·2	30	21·3	59·8	
10·2	31	5·3	51·8	
10·2		31·3	49·9	
9·4		46·8	27·9	a
9·2		56·8	40·0	9·0 Ga
10·2	32	32·7	40·6	9·5 G
9·0	34	22·2	28·8	9·0 G
9·8		35·2	50·8	
10·2	36	8·7	28·3	
9·4		25·7	31·0	9·0 G
10·0		52·7	39·8	
9·2	37	14·2	32·9	9·0 G
10·0		20·2	22·7	9·0 a
9·4		42·0	47·8	8·5 a
10·2		54·5	42·0	
10·2		59·5	13·8	
9·4	38	12·6	13·8	a
9·0		20·0	55·7	9·2 Ga
10·2		44·0	35·7	
10·2	40	31·4	37·4	
8·4		49·3	38·6	8·2 Ga
9·4	42	50·2	23·1	9·5
7·8		51·2	29·6	8·5 Gb–l
10·0	43	41·2	43·9	
10·0	44	27·7	52·5	
8·4		30·2	23·6	8·5 G–l
9·4		50·4	13·7	–
9·8	46	28·9	55·1	9·5
8·8	47	31·9	49·5	8·2 Ga
10·2	48	0·4	7·0	
9·2	49	11·9	46·2	9·3
8·0		22·9	46·1	8·0 Gbl
9·4	50	4·9	27·2	
8·4		21·3	2·2	8·5 G–
8·4		29·4	44·7	8·2 G–
8·6		29·9	50·8	7·8 Gb
8·8		57·4	12·9	9·0 –
9·7	51	9·9	19·8	9·5
8·4		30·4	36·3	7·8 Gal
9·4		33·9	50·0	a
9·9	52	38·9	59·4	
9·2	53	25·1	21·0	
8·6		29·6	35·2	7·5 Gb
8·0		36·6	2·9	8·0 GWal
10·2	54	9·6	40·7	
9·0	55	27·6	33·2	9·5 a
9·7		51·1	31·0	
9·0		59·6	29·0	9·0 a
10·2	56	22·6	6·3	
7·8		24·6	38·8	7·0 Gal
9·0		57·6	51·1	9·0
7·5	57	4·6	29·3	8·0 GSbl
10·2		9·1	54·2	9·5
10·0		55·1	4·4	
9·8	58	9·0	32·5	
8·7	59	49·3	58·7	8·3 Ga
8·7		53·0	58·4	8·2 Ga
8·5	0	44·0	9·9	8·0 Gbl
10·0	1	3·6	27·3	9·0
9·4	2	11·0	41·2	
	+ 1	9·9	+ 7·4	

241—300.

mag.	2h. m	s	—24° ′	
9·6	2	23·2	47·9	9·0
8·2	3	3·0	37·4	a
8·6		13·0	23·9	9·0 Ga
8·4		18·5	57·6	8·5 G
8·2		21·0	21·4	9·0 a
7·0		50·6	56·3	6·5 GSbl
9·2	4	31·6	11·7	
9·8	5	10·6	58·8	
9·8		15·6	50·9	
8·2	6	5·6	56·1	8·8 Ga
9·8		50·6	36·7	
10·0	7	3·1	23·8	
8·7		15·6	11·3	9·0
9·2		24·1	3·3	
10·0		50·6	14·1	
8·6	8	1·6	33·5	
7·4	9	18·1	7·3	7·2 GSbl
9·8		19·6	35·7	
9·0		29·6	59·8	
10·0		47·6	51·6	
10·0	10	40·5	24·3	
8·7	11	23·0	55·8	8·0 G–
7·9		25·5	38·7	8·5 Gb–
10·0		30·8	58·8	
8·8	12	9·0	18·0	8·5 G
7·6		20·5	12·3	7·2 GSal
8·6	13	29·5	25·9	G
10·0		58·0	1·2	
9·0	14	4·5	26·3	8·5 GSa
8·1		7·5	26·5	8·5 GSa
8·1		11·0	12·5	8·5 SWb
9·4	15	5·0	17·1	
9·7		11·5	7·2	
9·4		12·5	26·4	
9·6	16	31·5	45·8	
6·1		50·5	23·0	5·5 GSlπ
9·2	17	2·5	26·1	9·0 G
9·7		40·5	15·4	
9·6	18	30·0	17·0	
9·6	19	40·5	39·3	
8·6		52·5	32·2	7·8 GWa
7·6	20	11·5	24·4	7·2 GWal
8·1		35·4	26·7	8·0 GWa
9·4		47·9	43·4	
7·8	23	52·1	39·8	8·0 GS=l
10·0	24	24·7	59·0	
9·0	26	20·3	29·0	–
9·6		31·3	24·3	
9·1		40·7	43·6	
9·6		45·7	31·1	
9·4		59·2	36·4	9·0 Ga
9·6	27	51·7	47·5	
9·4	29	9·2	52·8	
9·6		36·2	21·9	
8·4	30	21·2	4·2	8·0 Gbl
9·6		25·3	16·2	
8·0		51·2	27·8	8·0 GSal
8·5	31	17·7	48·5	8·2 Ga
8·4		42·0	16·0	9·0 –
8·0	33	31·0	52·7	8·0 Gb–l
	+ 1	8·4	+ 7·0	

301—360.

mag.	2h m	s	—24° ′	
9·6	33	46·0	33·7	
8·0	34	16·5	28·1	8·0 Gal
9·6		52·5	42·9	
7·4		56·5	40·4	8·2 GWal
9·1	35	21·5	27·4	
9·6	36	40·8	1·0	
9·4		51·3	13·0	
9·2		57·3	28·0	
9·0	38	28·3	39·4	
9·1		31·8	18·6	
9·2		34·3	20·4	
9·6		50·8	25·6	
8·2		55·3	56·4	
9·4	39	1·8	29·7	
8·8		15·8	21·8	–
8·8	40	25·6	7·2	9·5
9·6		28·6	46·2	
9·6		30·6	55·0	
9·6		35·1	48·5	
9·6	41	6·1	38·6	
8·6		47·1	12·2	9·0 G
9·0	42	20·1	45·8	
9·4	43	20·1	33·3	
9·0		49·6	15·9	a
9·4	44	5·1	59·1	
9·6		16·8	31·4	
9·4	45	6·8	6·9	
9·6		7·6	19·4	
9·0		20·3	52·1	9·0 Ga
9·2	46	2·1	42·1	9·0 Ga
9·6		38·8	50·0	
9·6		48·6	42·7	
9·2	47	11·7	1·3	–
9·2	49	23·0	29·3	
8·3	50	10·0	35·4	
9·8		14·4	21·4	
9·6		38·9	29·8	
8·4		50·9	48·6	8·8 Ga
8·8		54·9	6·7	a
8·9		59·9	39·1	
9·2	51	7·9	8·0	
9·0		8·9	37·9	
9·0		14·9	7·9	
5·1		49·9	21·8	5·5 GSπβ
7·3	52	31·9	6·6	6·0 GSπβ
9·0	53	5·9	16·8	
9·7		10·0	41·3	
8·2		45·9	11·3	8·0 Ga
9·2	54	4·4	38·2	
9·8		8·4	27·1	
9·8	55	0·4	0·1	
9·8		22·9	7·7	
9·8		26·9	10·3	
9·2		40·4	32·7	
8·7		49·9	30·3	a
9·4	56	2·4	41·9	
9·4		42·0	18·1	
4·4		53·4	6·9	4·2 GSπβ
8·7	57	21·4	2·1	
9·8		34·9	46·8	
	+ 1	6·7	+ 6·3	

361—420.

mag	2^h–3^h m	s	—24° ′	
9.2	57	34.9	9.0	
9.7		46.4	28.0	
8.6	58	41.9	40.8	9.0 G
9.4	59	1.9	54.7	9.0 Ga
9.0		44.4	54.6	8.8 Ga
8.0	0	12.9	41.4	8.5 Ga
9.7		42.9	28.2	
8.4		42.9	16.2	8.8 G
9.7	1	7.4	39.0	
9.8		7.9	8.0	
9.0		28.9	37.4	9.0 a
9.8	2	1.4	22.2	
9.8		3.4	0.2	
9.5		57.2	38.5	
8.4	3	43.7	36.9	8.3 Ga
9.6		48.7	5.1	
8.5		51.2	29.0	8.8 a
9.8		52.2	46.1	
9.0	4	10.7	11.2	
9.2		37.7	44.1	
8.6		47.2	39.6	Ga
8.7		59.2	28.3	
7.3	5	4.2	12.8	6.5 GSbl
9.8		14.7	46.4	
9.8		29.2	53.1	
8.5		40.2	30.2	9.0 a
9.8		57.2	29.4	
9.6	6	32.2	31.9	
9.6		32.2	55.2	
9.5		38.7	36.0	
9.0		41.2	51.1	a
9.8	7	9.2	6.0	
9.2		40.2	3.0	–
9.2	8	29.2	0.6	
8.6		29.7	46.0	9.0 Ga
9.2		39.6	17.0	
8.8	9	36.7	24.2	9.5 a
9.6	11	3.2	13.6	
9.4		4.7	39.0	
9.6		43.2	10.5	
7.8	12	59.2	33.5	8.5 G=
9.6	13	30.7	50.7	
8.4	14	4.2	56.8	8.5 G
7.5		8.2	34.6	6.0 GSct
7.7	15	0.2	33.9	7.8 GW–
9.6		35.2	34.5	
9.6		42.2	51.9	
9.6		43.2	32.7	
6.8		55.7	5.2	6.0 GStl
9.6		57.0	57.2	
9.0	16	5.2	37.7	
9.6		25.2	7.8	
9.6	18	5.2	37.1	
9.6		36.2	19.0	
7.6		50.2	44.6	7.8 Gkbl
9.2	19	2.7	41.2	
8.6		59.2	55.4	8.8 a
9.0	20	10.3	42.1	
9.6		35.2	45.8	
9.6	21	28.2	9.8	
25pr.	+ 1	5.7	+ 5.7	

421—480.

mag.	3^h m	s	—24° ′	
9.6	21	36.7	53.4	
9.2	22	27.4	40.3	
9.2		49.9	39.3	
9.0	23	55.9	32.1	9.0
8.4	24	28.9	10.6	9.0 Ga
8.4		48.4	10.5	8.5 Ga
8.4	26	4.9	16.6	8.2 Ga
8.6	27	9.9	3.3	9.5
9.0		20.9	32.2	
8.2		40.9	11.5	8.0 Ga
9.2		50.9	55.8	
9.4		54.9	16.6	
9.6	28	6.9	8.8	9.5 Ga
8.7		55.9	59.4	Ga
8.4	29	10.9	45.3	9.0 G
8.0		29.9	16.7	8.5 Ga
7.6		40.4	43.6	8.0 Gal
9.0		54.9	39.5	
8.6		58.1	21.8	8.2 Ga–
9.6	30	2.6	34.4	
8.8		9.4	58.7	8.5 G
8.8		32.1	36.5	9.0 Ga
8.9		35.6	56.0	9.0 Ga
9.6		49.1	19.1	
9.6	31	31.2	38.3	
9.0		39.1	15.1	9.0 G
9.4	32	58.7	45.6	b
9.0		58.7	25.0	
9.1	33	16.8	27.1	
9.8		29.8	3.5	
8.8		36.8	29.8	8.5 Ga
9.0		39.3	6.1	
9.6		50.9	20.6	
8.2	34	56.8	55.6	8.4 Ga
9.8		57.8	4.1	
8.0	36	36.8	2.8	8.5 G=
9.2	37	1.8	48.5	
8.8		22.8	51.1	9.0 G–
9.2	39	49.8	18.7	a
9.8	40	11.3	54.2	
8.4		51.8	46.8	a
8.5	41	8.8	26.2	a
9.6		17.8	3.3	a
9.4	42	16.8	38.7	
5.6		16.8	15.7	5.5 GSπβ
9.2		20.1	58.9	
9.8		23.9	6.5	
9.8		30.0	3.6	
9.0		34.0	24.6	8.8
9.2		39.0	42.8	
8.0	43	4.0	4.9	8.0 Gb–l
8.8		5.0	1.2	8.8 –
9.6	44	35.5	43.6	
8.6		40.0	14.7	9.5
9.4		57.0	12.1	
8.5	45	0.0	25.3	8.5
7.8		42.5	29.3	8.2 Gb–l
9.6	46	16.7	24.7	9.0
9.0		44.5	57.5	
9.1		50.5	47.2	
	+ 1	4.5	+ 5.0	

481—540.

mag.	3^h–4^h m	s	—24° ′	
9.0	48	8.0	6.7	
9.6		8.8	58.9	
4.3		23.5	59.1	4.8 GSπβ
9.8	49	9.4	57.6	
8.9		53.4	23.9	
9.2	50	12.4	23.0	
9.6		49.4	15.6	
7.2	51	53.9	59.6	7.5 G–
8.9	52	54.9	17.9	8.8
7.4	53	13.9	9.2	8.0 Gbl
10.0		50.7	41.4	
8.8	54	26.5	56.3	9.0 Ga
4.5		35.7	22.2	4.5 GSπβ
10.0		42.2	42.2	
10.0	55	6.2	10.6	
10.2	56	12.7	15.1	
10.0		15.7	46.7	
9.5		25.7	12.4	
9.8		35.7	21.1	
9.4		45.7	3.2	a
9.6		51.7	28.3	
9.8		52.2	59.9	
9.5		57.7	12.6	
8.6		59.7	47.6	8.8 Gb
10.2	57	21.2	59.1	
9.6		21.2	9.3	
9.0		31.7	19.9	9.0 Ga
10.1		34.2	18.2	
10.2		48.2	38.0	
9.5		59.7	40.6	a
8.0	58	10.7	48.3	7.5 Gal
9.5		18.3	21.9	
9.8		22.3	9.4	
10.0		46.3	17.2	
10.2	59	13.3	21.0	
8.4		36.8	45.6	8.8 Ga
10.0		40.5	59.0	
9.8		45.3	54.4	
10.1		54.8	16.0	
10.1	0	19.8	33.0	
10.1		26.3	4.4	
9.8		27.3	47.2	
9.8		28.3	10.0	
9.0		29.3	6.2	
9.1		32.8	20.3	
9.2		33.3	32.6	
10.2	1	1.3	30.8	
8.4	2	7.3	5.4	9.2
9.6		17.3	11.2	
8.2		29.3	8.6	9.0
9.5		36.3	29.0	
9.2		42.8	49.9	a
9.6	3	0.3	20.2	
9.4		54.8	19.0	a
10.1	5	25.3	31.8	
9.0	6	25.3	59.5	a
9.4	7	0.3	13.9	9.2 G
9.6		12.3	19.2	
8.8		27.3	13.0	8.8 Ga
9.4		27.3	41.6	
	+ 1	3.7	+ 4.2	

541—600.

mag.	4^h m	s	—24° ′	
7.8	7	30.3	8.6	7.0 GSa
10.1		38.3	14.8	
10.2		49.4	1.4	
9.8	8	22.3	8.2	
9.4		27.3	54.6	
9.8		31.3	37.1	
9.6		35.1	1.2	–
9.0		41.3	11.2	a
8.0		55.3	31.2	8.0 Gbl
8.8		56.5	0.9	9.5 –
9.4	9	30.5	28.3	
9.0		31.5	59.2	
10.1		35.0	24.0	
10.1		59.5	19.6	
10.1	10	13.5	7.5	
8.8		17.0	22.2	9.0
9.4		19.0	58.3	
8.2		40.0	19.3	8.5 Gbl
8.5		41.5	49.2	
10.1		52.5	0.8	
9.4	11	9.5	14.6	
9.1		40.0	16.6	
9.6		51.5	53.2	
9.1	12	0.0	44.8	
9.0		23.0	6.4	9.0 –
8.3		50.0	22.2	8.2 G
10.1	13	9.0	21.4	
9.4		9.5	6.0	
8.8		25.0	46.9	9.0 a
8.5		38.5	27.4	8.0 G
9.5		49.5	45.7	Ga
10.0	14	5.0	8.2	
9.0		15.0	34.4	9.0 G
9.2		51.0	33.5	9.0
9.0	15	10.0	56.8	8.9
10.2		12.0	13.0	
9.6		17.5	50.8	
10.1		29.0	50.0	
9.5		47.5	2.4	a
9.5		50.5	43.4	
9.0		55.0	50.2	a
9.6	16	8.0	43.0	
8.6		16.8	35.5	9.0 Ga
10.1		28.3	3.3	
9.6		40.7	59.9	
10.2		41.3	9.9	
10.0	17	3.1	2.9	
10.0		3.6	45.0	
9.4		13.3	43.4	
9.4		15.3	3.1	–
9.8		25.1	3.4	
9.8		36.1	27.7	
9.7	18	0.8	54.9	
9.4		24.6	25.1	
9.4		32.6	43.6	
9.1		37.6	1.8	8.8 Ga
10.0		39.6	23.1	
10.0		41.6	50.8	
9.4	19	10.1	20.4	
9.4		27.6	28.8	
	+ 1	3.2	+ 3.7	

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601—660.

mag.	4h. m	s	—24° ′	
9·8	19	43·6	1·4	
10·0		51·6	2·0	
9·4		51·6	36·1	
10·0		59·6	40·7	
9·7	20	10·2	18·5	
9·4		16·2	7·9	
9·8		48·2	6·3	
10·0		48·2	31·5	
10·0		48·7	33·6	
9·4		56·2	29·0	
10·0	21	2·2	4·4	
9·1		6·2	42·0	
6·6		41·7	21·7	6·5 GSb
9·5		51·2	56·0	
9·4	22	9·2	45·5	
9·4		16·2	18·9	
8·2		18·2	44·2	8·0 G
8·8		33·7	15·3	9·5
9·4		35·2	26·4	
10·0		38·7	32·1	
10·0		42·2	25·0	
9·4	23	3·7	43·9	
9·6		5·7	46·3	
9·6		12·7	58·7	
8·6		13·2	9·5	9·5
9·7		59·7	29·4	
9·2	25	0·7	14·8	
10·0		0·7	56·9	
8·8		6·7	38·4	
9·8		30·2	9·3	
10·0		37·7	11·4	
9·5	26	18·7	12·4	
10·0		21·7	29·6	
7·8		33·7	22·7	8·0 Gal
8·8		38·7	50·1	9·0
9·5	27	48·4	11·7	
8·8		50·9	16·6	8·8 a
9·0	28	0·4	17·3	8·8 a
8·2		10·4	12·1	8·2 Gal
9·8		20·4	48·4	
10·0		40·4	26·6	
10·0	29	10·4	19·6	
10·0		12·4	0·2	
7·8		23·4	18·1	6·8 GSal
10·0		46·4	19·9	
9·4		59·4	10·1	
6·8	30	4·4	47·5	7·0 GSal
10·0		27·4	52·8	
10·0		31·4	30·3	
9·0		41·4	47·7	8·2 a
9·1	31	3·4	39·9	a
10·0		20·5	16·9	
9·6		33·0	3·5	
9·6		54·5	7·9	
9·2	32	5·0	18·0	
9·8		59·5	27·4	
9·0	33	4·0	54·5	8·5 Ga
9·4		18·0	23·3	
10·0		35·0	25·9	
8·8		46·4	0·8	9·0 Gb
25pr.	+1	2·8	+3·3	

661—720.

mag.	4h. m	s	—24° ′	
9·6	34	0·0	41·9	
9·4		10·5	49·6	
9·8		11·5	10·3	
9·6		17·5	24·6	
8·8		23·5	35·7	8·8 a
9·4		45·0	23·4	9·0 a
6·8		55·0	43·6	6·0 GSlπ
9·4	35	4·5	59·6	9·5 Ga
10·0		10·7	34·7	
10·0		18·7	42·1	
9·4		20·7	32·7	
9·2		21·7	38·0	b
9·4		30·7	33·9	
9·4		33·2	39·0	
9·4		39·7	56·5	9·5
10·0		44·7	26·0	
9·8		53·7	30·9	
10·0	36	1·7	40·9	
10·0		7·2	17·6	
10·0		11·7	16·2	
10·0		14·7	5·9	
8·4		16·7	13·0	7·5 Gal
10·0		28·7	42·0	
9·8		29·7	0·9	
10·0		32·2	6·8	
9·8		47·2	56·5	
10·0	37	13·2	48·2	
10·0		17·2	13·9	
7·5		45·2	32·4	7·5 G
8·8		54·7	5·0	8·2 Wa
8·8		58·2	44·3	
10·0	38	9·8	48·2	
9·4		46·1	21·6	
9·4		53·1	45·3	
8·8	39	2·3	43·0	9·0
8·8		32·1	9·3	
10·0		36·3	49·3	
9·7-		48·1	4·6	
10·1		50·9	15·5	
9·6		52·1	7·1	
9·6		56·6	37·4	
9·2		59·4	3·9	8·5 –
8·4	40	3·8	21·7	9·0 G
9·6		11·4	30·3	
9·4		15·4	41·3	
9·9		24·4	5·2	
9·6		27·4	19·2	
9·9		55·4	53·7	
9·7	41	41·9	29·4	
10·2	42	10·9	7·6	
9·8		38·9	2·2	
9·4		42·4	14·9	
9·6	43	26·4	51·5	
9·0		26·9	27·0	8·8
9·7		42·9	53·5	
9·4		53·4	43·8	
9·9	44	0·4	46·2	
9·4		4·9	11·1	
9·0		32·4	6·5	9·0 a
9·6		43·4	2·0	
	+1	2·5	+2·9	

721—780.

mag.	4h. m	s	—24° ′	
9·4	44	45·4	15·1	a
10·0		52·4	49·6	
10·2		58·7	59·5	
8·6		59·9	53·2	9·0 G
8·4	45	5·4	35·0	8·2 bl
10·2	46	5·9	49·4	
10·2		7·4	26·8	
10·2		8·9	31·9	
9·6		10·7	2·1	a
9·2		11·4	41·6	
9·4		14·2	11·0	9·0 Ga
10·1		21·7	44·3	
8·6		30·2	34·8	8·5 bl
10·1		35·7	34·1	
9·6		44·7	7·7	
9·9	47	4·2	34·0	
9·7		7·2	1·5	
9·3		13·4	58·3	
8·8		20·2	6·2	8·8 Ga
10·2		27·7	27·8	
10·0		33·2	51·0	
9·9		38·2	32·0	
10·1		44·7	32·1	
9·4		44·7	27·1	b
8·8		50·2	26·9	a
9·6		50·2	43·1	
9·3		53·2	58·4	9·5 G
10·0	48	0·7	7·3	
9·6		20·2	9·7	
9·8		40·0	41·8	
10·2	49	0·2	49·2	
9·6		16·0	1·8	
10·0		48·1	13·3	
10·0		59·6	1·2	
9·7	50	45·1	8·2	
10·0		51·6	57·0	
10·1		55·1	2·2	
8·4	51	0·1	20·6	9·0 G
10·2		3·1	6·0	
9·6		22·6	59·6	
10·0		32·6	35·0	
10·1		34·1	0·2	
9·0		37·1	18·0	8·5 G
9·6		40·1	12·2	
9·6		44·1	26·0	
9·4		50·1	46·0	
8·5	52	44·1	26·4	8·8
9·4		55·0	38·5	
8·6	53	36·0	23·8	9·5
9·9		43·0	45·6	
9·4		52·0	46·1	
10·0		55·0	52·0	
10·1	54	3·0	3·4	
10·2		37·0	43·0	
10·1		46·0	13·2	
9·3		50·0	47·7	
9·6	55	1·0	25·5	a
10·1		5·0	33·5	
10·1		14·0	47·5	
10·0		19·5	34·3	
	+1	2·3	+2·5	

781—840.

mag.	4h—5h. m	s	—24° ′	
9·5	55	20·0	50·4	
8·9		38·5	13·0	9·5 a
10·0		49·5	34·4	
9·1	56	1·3	2·2	
9·9		2·7	27·1	
9·4		7·7	38·1	
10·2		25·7	25·5	
9·7		26·5	1·3	
10·2		34·7	3·9	
10·2		52·9	57·9	
9·0		59·7	12·9	a
9·0	57	0·2	19·8	a
10·0		1·7	50·0	
9·6		2·7	26·7	
9·8		3·7	9·6	
9·2		4·2	35·2	
10·0		12·5	11·8	
9·3		16·2	3·3	
9·0		34·2	57·7	9·5
9·6		42·7	19·8	a
10·2		59·7	33·7	
9·4	58	1·7	28·0	
10·2		4·7	4·0	
9·6		13·2	50·1	
5·5		43·2	33·7	6·0 GSb
9·4		59·7	52·7	
8·9	59	0·6	6·1	9·5 G–
9·9		4·6	59·3	
10·2		12·1	5·9	
9·4		27·1	42·7	
9·1		27·1	17·9	
10·1		46·1	42·9	
9·8	0	2·1	55·3	
9·0		19·1	38·9	a
9·1		49·1	40·1	a
10·2	1	4·3	31·9	
9·0		31·8	38·5	a
10·2		43·4	46·5	
9·6		51·3	32·4	
9·4		54·6	28·5	
9·4	2	0·8	8·8	
9·8		4·3	6·3	
10·2		8·5	24·9	
9·6-		24·3	17·9	a
9·8		42·0	13·9	
10·0	3	13·9	24·3	
10·1		14·2	17·0	
9·5		40·4	35·2	G
9·2		49·4	14·3	
9·8		49·9	30·3	
10·1		55·4	48·5	
8·5	4	14·4	56·4	9·2 G
9·4		37·4	18·3	
9·4		39·4	12·8	
10·0		46·9	14·5	
9·8		50·4	33·0	
10·0		55·4	17·7	
9·0	5	0·9	14·3	9·0 a
9·6		5·4	15·4	10·0
10·1		6·9	10·6	
	+1	2·1	+2·2	

80 11705

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841—900.

mag.	5h. m	s	−24° ′	
10·1	5	7·6	59·9	
9·6		10·4	14·2	
9·8		13·9	40·3	
10·1		23·0	57·3	
9·6		35·9	8·9	
9·8		•43·0	58·4	
8·3		53·4	36·2	8·8 a
10·1		55·9	7·3	
8·4	6	0·4	30·2	8·0 Ga
10·1		3·9	4·9	
9·6		4·4	29·7	
9·0		16·4	42·3	8·5
9·8		28·4	33·7	
10·1		38·9	15·3	
10·1		48·4	13·8	
9·8		54·4	18·0	
8·8		55·4	40·7	9·0 a
10·1	7	17·4	50·6	
10·1		25·4	9·1	
9·6		37·9	7·1	
10·0		51·4	5·5	
8·8		54·4	6·9	8·5 –
9·0		57·4	42·9	a
9·6	8	3·4	11·9	
10·1		13·4	57·8	
9·6		21·4	41·5	
8·8		27·9	57·8	9·0 a
9·4		37·4	1·9	
9·3		40·4	5·1	
10·1	9	4·4	10·0	
10·1		11·4	36·1	
9·0		12·4	36·5	9·2
10·0		15·4	24·2	
9·4		39·4	13·7	
9·2		39·4	30·4	G
9·8		50·4	42·2	
10·0	10	10·4	55·4	
10·1		15·4	26·0	
10·1		17·9	42·4	
8·4		35·4	25·7	8·5 Ga
10·1		45·9	53·0	
10·0	11	25·9	38·6	
9·0		30·4	18·3	9·5
10·0		40·4	52·9	
9·4		40·4	43·7	9·0
9·5		44·9	16·1	
10·0		53·9	30·9	
10·0	12	2·9	15·1	
10·1		10·4	29·1	
10·0		47·9	16·8	
10·0	13	6·9	53·1	
9·5		10·4	52·6	
9·5		32·4	17·1	
9·5		50·4	51·0	
9·0		56·4	17·8	8·8 G
9·4	14	0·4	53·9	9·5
9·8		4·4	54·2	
9·6		18·4	35·2	
9·1		33·4	50·4	
8·8		41·4	26·4	9·5 a
25pr.	+ 1	1·9	+ 1·8	

901—960.

mag.	5h. m	s	−24° ′	
10·1	14	59·9	18·5	
10·0	15	0·9	5·9	
10·0		20·4	55·0	
9·4		29·4	16·2	
9·3		37·9	33·1	
10·1		50·9	22·6	
9·0		51·9	49·8	9·2
9·8	16	5·4	54·5	
10·1		8·9	30·8	
9·3		15·4	40·0	b
5·7		38·4	53·8	5·8 GStπ
9·4		43·4	54·0	8·5 G
10·1		45·9	51·9	
10·1		55·9	12·3	
9·3	17	0·4	34·5	
10·1		17·4	44·9	
9·8		18·4	30·8	
10·0		21·4	29·3	
10·1		25·9	20·4	
10·1		32·3	3·7	
10·1		41·4	0·3	
10·1		43·4	1·3	
10·1	18	2·4	45·2	
10·1		5·9	15·9	
9·6		11·4	49·3	
9·8		24·9	14·3	
10·1		27·4	34·3	
10·1		29·3	11·5	
10·1		29·9	28·2	
10·1		44·4	9·4	
neb.	19	2·4	38·4	a
8·8		5·4	29·0	
8·4		8·4	48·3	8·7 Ga
9·6		10·4	51·9	
10·1		28·4	36·8	
9·6		37·4	44·3	
9·6		43·4	14·3	
10·0		53·9	24·9	
9·6	20	2·4	42·1	
10·0		13·9	54·0	
9·3		20·9	47·0	9·0 a
9·1		31·4	54·7	9·5 a
10·1		48·4	37·9	
10·1		57·9	19·7	
9·6	21	8·9	0·7	
9·8		11·4	9·0	
10·0		12·9	18·9	
9·0		32·4	28·7	8·5
10·1		34·4	5·5	
9·4		43·4	3·1	
10·1		50·4	51·9	
9·5		52·9	38·5	
10·0		55·4	3·7	
10·1		55·4	53·2	
9·3	22	3·4	46·2	a
9·6		32·9	50·3	
10·1		34·9	16·5	
9·4		34·9	55·1	a
10·1		50·4	24·9	
9·8		53·9	20·3	
	+ 1	1·8	+ 1·5	

961—1020.

mag.	5h. m	s	−24° ′	
9·5	22	55·4	11·8	a
9·5		59·4	15·3	
10·1	23	11·4	47·5	
9·8		15·4	2·7	
8·0		38·1	21·7	7·2 Ga
9·4		38·4	33·1	
9·8		40·4	20·5	
10·1		45·4	0·4	
9·0		55·4	31·7	8·3 G
10·0	24	0·9	1·3	
9·4		14·4	52·5	9·5 G
9·5		18·4	34·5	
10·0		19·9	53·3	
9·6		20·9	26·1	
10·1		21·9	22·0	
9·5		32·4	10·0	
9·8		38·9	20·0	
10·1	25	9·9	10·2	
9·9		19·3	25·3	
10·0		40·8	30·1	
8·7		46·3	21·7	
10·0		47·3	59·3	
10·0	26	21·3	20·8	
8·2		30·8	53·5	8·2 G
9·6		31·3	51·1	
9·9		31·3	11·9	
9·9		31·8	17·7	
8·4		40·3	1·7	8·5
10·0		50·3	6·1	
10·0		53·4	23·0	
9·8	27	13·8	9·7	
9·6		16·3	22·9	
10·0		20·3	6·6	
9·5		23·8	53·5	
9·9		32·8	17·7	
8·6		33·3	51·0	9·2
8·8		50·2	20·6	a
9·6	28	7·2	49·0	9·5
7·9		21·2	25·2	8·0 Ga
10·0		38·2	46·7	
9·9	29	2·0	52·1	
8·8		8·0	25·4	9·5
9·9		13·0	7·4	
10·0		28·7	7·7	
9·4		32·2	50·1	
9·9	30	20·7	10·7	
9·2		26·2	9·5	
9·6		27·2	13·7	10·0 G
8·8		47·2	4·7	8·2 a
8·8	31	8·2	42·3	8·5 G
10·0		23·7	8·2	
8·5		36·2	6·6	8·5 a
8·2		36·2	46·9	8·0 Ga
8·0	32	4·7	28·7	7·8 a
9·5		7·2	8·2	
10·0		9·7	3·9	
8·4		34·2	12·6	7·8 Ga
9·4	33	10·2	47·9	
9·6		16·2	4·7	
8·7		21·2	9·6	
	+ 1	1·7	+ 1·2	

1021—1080.

mag.	5h. m	s	−24° ′	
10·0	33	23·2	33·4	
9·9		24·7	59·5	
9·5		28·7	3·5	
10·0		29·2	35·9	
9·6		49·2	31·9	
8·4	34	4·4	57·1	7·8 Ga
9·8		6·2	32·6	
9·4		13·2	16·0	
9·8		22·8	2·5	
8·6		23·9	23·2	8·5
9·0		24·4	22·8	9·5
10·0		28·9	59·9	
9·4		55·9	47·0	
10·0	35	2·4	7·1	
9·2		36·4	6·0	9·5 G
9·2		48·4	29·3	
8·8		56·4	24·5	
9·0		57·9	38·0	9·0
9·0		59·9	37·9	
10·0	36	29·4	21·7	
8·6		34·4	53·8	9·0 Ga
9·4		42·4	39·3	
9·0		47·9	28·0	8·2 a
9·2		52·9	23·5	8·5 a
9·9		57·4	15·1	
9·8	37	40·9	48·6	
9·4		58·9	5·1	
9·4	38	3·9	56·6	9·0
10·0		24·4	28·7	
9·4		24·9	56·1	
9·2		25·4	35·2	
9·2		41·4	8·3	
9·4		44·4	23·5	
9·4		49·4	6·1	
9·5		59·4	6·1	
9·2	39	20·4	27·2	9·5
10·0		25·2	0·8	
9·6		59·4	49·7	
9·2		59·9	13·5	
9·9	40	1·7	13·7	
9·0		12·2	4·3	
9·8		31·7	18·1	
9·9		42·2	22·5	
9·6	41	5·2	47·4	
10·0		5·2	8·0	
10·0		29·7	15·0	
9·4	42	1·2	32·0	
8·2		4·8	32·5	8·2 Ga
9·8		5·2	7·7	
8·4		5·2	32·4	8·8 Ga
8·7		26·2	4·8	9·0
9·6		27·7	12·9	
9·5		34·2	28·9	
9·5		46·2	50·9	
10·0		54·9	1·6	
9·0		59·7	3·1	
8·2	43	12·2	30·2	8·0 a
10·0		25·7	51·7	
9·0		34·7	11·4	8·8
8·9	44	1·7	5·3	
	+ 1	1·6	+ 0·8	

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1081—1140.

mag.	5h. m	s	−24° ′	
8·6	44	9·5	57·5	8·5 a
8·6		12·2	18·7	8·2 G
10·0		12·7	24·2	
8·5		14·7	30·1	8·5 a
9·9		17·7	8·8	
9·4		29·7	0·4	
8·8		38·2	19·2	10·0
10·0		39·7	6·2	
10·0		41·0	1·7	
9·8		49·2	24·9	
9·8		50·7	16·7	
8·8	45	4·7	9·0	8·5 Ga
9·5		9·2	11·9	
10·0		11·7	9·9	
9·8		15·7	34·1	
9·2		17·2	22·7	10·0
9·4		28·4	56·2	
8·6		41·9	22·5	9·0
9·8		58·9	31·2	
9·9	46	0·9	7·8	
8·5		13·9	3·6	9·0 a
8·8		15·7	19·3	9·5
9·6		21·9	24·4	
9·6		41·9	3·4	a
9·5		48·0	55·2	
10·3		50·1	34·2	
10·3		51·9	19·0	
10·3		51·9	37·4	
9·4		52·1	11·7	
9·0		52·4	19·7	9·2
9·0		53·9	28·3	
10·0	47	1·9	31·1	
9·2		3·7	8·3	
9·4		6·7	24·6	
9·7		11·1	0·2	
10·3		29·9	22·4	
10·3		43·9	48·9	
8·7		47·7	28·0	9·0
9·2		48·2	54·0	
9·6		54·4	50·7	
9·4		57·9	33·0	
9·6	48	15·4	34·4	
8·6		20·9	40·7	9·5
9·4		25·9	6·2	
9·6		32·9	5·5	
9·4		52·9	19·9	
9·2	49	0·4	1·1	
10·0		13·9	11·4	
9·6		14·9	18·6	
10·3		20·4	36·9	
9·6		23·4	28·8	
10·0		25·9	52·6	
9·6		34·9	6·3	
10·0		46·4	57·6	
10·3		52·9	2·7	
9·2	50	7·4	34·2	
[illegible]		10·4	38·9	
8·4		18·9	17·1	9·0 G
10·1		34·9	31·1	9·5
10·1		38·9	29·0	
25pr.	+1	1·6	+0·5	

1141—1200.

mag.	5h. m	s	−24° ′	
9·7	50	42·9	2·0	
9·3		49·4	52·6	
9·6	51	3·4	33·8	
9·2		5·4	7·0	G
9·6		5·6	57·2	
8·5		8·5	6·6	8·0 G–
9·2		16·0	41·2	
9·7		52·0	3·0	
9·4	52	1·5	23·2	
9·6		1·5	52·8	
8·3		15·5	59·0	8·3 G
9·4		17·5	33·4	
10·3		27·0	6·6	G
9·8		27·5	25·1	
8·4		37·0	12·5	8·8
9·7		48·0	26·8	
9·6		51·5	20·1	
10·3		55·5	39·3	
10·3	53	1·5	25·2	
9·3		10·5	46·4	
8·9		12·0	38·5	9·0
10·3		23·5	33·2	
9·6		23·5	39·4	
9·4		36·0	45·8	9·5 G
9·0		36·0	50·0	8·5 G
9·2		36·0	58·5	
9·2		47·5	26·7	
10·0		47·5	44·8	
9·7		56·5	44·4	
9·3	54	3·0	25·2	
10·3		7·0	7·0	
9·6		15·0	5·6	
8·8		15·0	24·4	9·0
10·2		29·0	29·2	
8·6		29·0	28·3	9·0 G
10·3		40·5	57·8	
10·3		53·5	6·4	
10·3	55	2·0	57·5	
9·4		19·5	56·1	
9·4		20·5	13·2	
10·1		23·0	7·2	
10·2		37·0	48·7	
9·6		44·4	10·8	
9·2		46·4	45·3	
8·3		54·9	6·0	8·0 G
9·4	56	2·9	44·9	
10·2		16·4	9·9	
10·1		24·4	54·9	
9·7		29·4	49·9	
9·6		31·9	21·1	
10·3		38·4	2·9	
9·4		47·4	48·7	
9·4		57·4	11·9	
9·7	57	8·4	53·2	
9·7		33·9	40·3	
10·1		34·9	43·5	
10·3		38·4	6·1	
9·7	58	0·4	40·8	
10·3		4·9	3·1	
9·8		4·9	34·1	
	+1	1·6	+0·2	

1201—1260.

mag.	5h.–6h. m	s	−24° ′	
9·6	58	11·9	49·6	
9·8		30·4	5·4	
10·2		32·9	40·2	
10·3		36·9	13·9	
10·3		44·4	26·9	
9·6		45·9	53·9	
10·3		50·4	39·4	
9·3		53·4	19·2	
10·2	59	0·6	59·8	
10·3		31·9	11·9	
9·7		46·9	20·5	
10·3		49·9	50·8	
9·6		50·4	20·6	
9·6		54·4	40·4	
9·6		59·4	29·9	
9·6	0	1·9	4·1	
10·3		6·9	5·1	
10·3		13·2	23·9	
9·6		26·7	43·2	
8·0		36·7	11·1	7·0 GSb–
10·2		43·2	2·5	
8·1		55·2	54·7	8·5 GSa
10·0		56·2	2·0	
9·6	1	6·7	40·4	
9·7		29·2	36·9	
9·7		29·2	7·0	
9·7		31·2	25·7	
9·4		34·2	9·0	9·0
10·3		34·7	31·3	
10·2		38·0	28·2	
7·6		38·2	55·0	7·7 GSb
10·1		43·2	24·3	
9·3		45·7	8·5	8·5
9·4		56·2	53·8	9·5 a
10·1	2	6·7	0·7	
10·0		6·7	36·3	
10·1		10·2	12·1	
10·2		24·7	47·8	
10·3		27·2	2·0	
9·7		31·7	29·5	
10·2		32·2	46·9	
9·7		33·2	8·9	
9·3		38·7	23·1	
9·4		40·2	44·2	
9·6		44·2	39·7	
9·7		53·2	21·7	
10·2		56·7	9·4	
10·2	3	4·2	51·5	
10·2		8·7	39·2	
9·0		21·2	18·3	
9·6		24·7	47·9	
10·0		26·7	37·5	
9·6		33·1	11·5	
10·3		36·6	59·6	
9·0		39·1	33·8	9·0
9·6		45·1	42·5	
9·4		48·1	14·0	
9·0		59·1	20·0	
10·0		59·6	57·8	
9·6	4	0·1	7·8	
	+1	1·6	−0·1	

1261—1320.

mag.	6h. m	s	−24° ′	
9·8	4	4·1	14·7	
9·6		13·1	36·6	
8·1		20·6	13·7	8·5 G
9·2		45·1	31·9	
10·3		51·4	58·9	
10·3		53·1	12·1	
10·3		56·4	25·9	
10·3	5	1·6	33·6	
9·6		13·6	36·5	9·5
9·0		27·1	39·5	9·0
10·0		31·6	18·9	
9·8		36·1	11·9	
10·3		46·6	21·0	
8·4		47·1	21·9	8·0
10·0		47·1	42·5	
9·6		50·1	8·9	
9·6		52·6	27·2	
9·6		56·1	35·4	
9·8	6	8·1	48·3	
9·3		20·1	9·1	
10·3		22·1	47·9	
9·6		24·1	51·9	
10·1		25·6	11·7	
10·1		27·6	8·6	
9·6		36·4	58·7	
10·1		36·6	34·6	
10·0		48·1	47·5	
8·8		51·1	25·7	9·5
9·6		51·6	19·2	
10·3		51·6	57·8	
9·6		57 1	40·6	
10·0	7	2·9	57·5	
9·2		18·9	29·5	9·0 G
9·0		30·9	7·1	
10·2		38·4	19·4	
8·8		51·9	51·9	
9·4		53·9	31·1	
9·2		53·9	17·3	
10·3		53·9	11·7	
9·2	8	2·9	35·1	
10·3		6·4	11·5	
10·3		11·9	48·7	
10·3		16·9	19·7	
9·7		22·4	30·4	
10·0		25·2	59·4	
10·0		31·4	40·1	
9·6		39·4	41·9	
10·3		42·9	14·1	
10·2		54·9	44·7	
10·3	9	2·4	38·9	
9·3		2·9	49·7	
8·6		5·4	41·0	8·5 G
10·3		5·4	9·6	
9·4		25·9	20·9	
10·3		26·9	52·0	
10·3		32·9	20·6	
8·8		33·5	23·1	G
9·0		43·5	3·7	9·2 a
9·7		44·4	59·1	
9·8		45·1	45·9	
	+1	1·6	−0·3	

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1321—1380.

mag.	6h. m	s	—24° ′	
9·0	9	48·1	41·3	
8·4	10	3·5	21·3	8·8 G
8·9		10·1	29·3	9·0
9·6		10·3	50·0	
9·0		18·1	12·7	a
9·7		36·1	47·7	
10·0		53·1	49·9	
8·4		54·9	57·9	9·0 a
9·9		59·1	29·3	
9·8		59·1	42·2	
9·0	11	5·1	26·5	
10·0		9·6	38·2	
10·0		26·4	59·9	
8·9		43·1	54·2	8·0 Ga
9·5		46·6	5·2	
9·8		48·6	50·0	
8·8		56·6	32·1	
7·7	12	3·1	1·8	7·5 GSb≡
9·0		8·6	47·5	
9·6		12·1	23·7	
9·9		16·1	8·7	
9·0		19·6	11·2	9·0
9·5		24·6	13·9	
8·0		28·6	23·6	Ga
9·3		32·1	4·5	
9·9		36·1	36·7	
9·8		42·0	41·1	
9·6		42·1	12·0	
8·9		44·0	10·4	8·5 G
9·6		48·0	59·1	
9·7		56·5	45·2	
10·0	13	3·0	22·9	
9·6		5·0	59·3	
9·8		11·5	19·5	
8·6		16·0	17·0	8·0 Ga
9·8		17·0	51·2	
9·8		20·5	50·6	
10·0		21·5	6·0	
8·6		22·0	14·3	8·5 Ga
9·1		36·5	38·4	9·0
10·0		43·5	52·2	
9·8		44·0	9·1	
9·6		47·5	49·4	
7·5		49·4	57·9	7·0 GSa
9·6		55·5	49·3	
9·4	14	1·5	36·1	
9·6		2·5	47·9	
8·9		8·5	33·2	
7·6		9·5	55·5	7·5 GSa
8·4		9·5	54·4	8·2 Ga
9·7		10·0	36·7	
9·9		16·5	14·3	
9·2		33·0	2·1	
10·0		35·9	10·6	
9·3		37·5	46·3	9·0
8·8		42·0	4·4	
9·9		46·0	16·8	
9·5	15	8·5	6·0	
9·6		10·5	51·4	
9·2		28·5	14·6	
25pr.	+1	1·6	—0·5	

1381—1440.

mag.	6h. m	s	—24° ′	
9·9	15	30·2	0·7	
9·5		32·0	36·0	
7·7		37·5	14·7	7·5 G
9·2		44·0	24·7	
9·6		48·0	23·1	
10·0		56·0	30·6	
10·0		56·0	29·8	
9·2		59·0	23·3	
8·4	16	3·5	27·4	9·0
8·4		6·0	11·8	9·0
9·7		35·8	9·4	
10·0		37·6	43·0	
9·8		39·3	20·7	
9·1		42·3	41·0	
9·0		45·3	13·4	9·5
9·2		47·3	10·4	
10·0	17	2·3	44·4	
9·4		2·8	9·8	
9·0		6·3	36·0	
9·9		26·3	59·4	
8·7		40·3	49·0	Ga
9·5		41·8	22·7	
8·4		47·3	54·7	Ga
8·1		49·8	29·6	Ga
9·7		59·8	9·8	
9·8	18	1·3	17·9	
9·7		3·0	1·6	
9·8		31·3	38·5	
9·1		39·3	50·8	9·5
10·0		42·3	54·0	
9·4		55·8	34·2	
9·4		57·3	53·1	
9·4	19	2·8	27·8	
9·7		2·8	41·4	
9·6		11·3	13·5	
8·8		15·8	58·8	9·0 a
8·8		17·8	55·9	8·5 b
9·9		17·8	19·2	
10·0		20·6	24·9	
10·0		20·8	46·0	
9·2		23·3	36·4	
10·0		32·8	48·6	
9·7		35·3	8·7	
9·6		35·8	10·6	
9·6		36·8	8·4	
8·6		37·3	5·7	W=
9·4		37·8	28·4	
8·3		41·3	45·4	8·5
9·0		43·5	59·5	
9·0		47·3	18·2	
9·4	20	10·1	15·0	9·5
8·7		12·1	2·5	=
10·0		12·6	1·1	
9·8		42·6	3·8	
9·8		43·1	53·0	
9·0		47·1	10·8	9·5
9·9		48·1	29·0	
9·8		49·1	3·0	
9·7		53·1	25·8	
9·1	21	1·6	34·9	9·5 G
	+1	1·6	—0·7	

1441—1500.

mag.	6h. m	s	—24° ′	
9·4	21	3·1	12·0	
9·6		10·6	16·7	
9·3		11·6	51·1	
10·0		26·6	9·0	
9·6		27·1	57·0	
9·4		31·6	36·7	
10·0		40·1	33·4	
8·7		40·1	56·6	9·0 a
10·0		47·1	4·5	
9·6		52·1	23·8	
10·0		55·6	20·5	
9·0		58·5	0·8	=
8·8	22	0·1	9·9	Ga
8·9		2·4	0·0	
9·8		5·6	46·7	
9·8		7·1	10·4	
9·6		10·1	8·0	
9·6		11·6	46·6	
9·9		12·6	32·7	
8·6		15·1	12·2	Ga
9·9		23·6	54·8	
9·6		30·6	16·4	
10·0		36·6	1·2	
10·0		38·6	12·1	
9·6		41·6	28·1	
10·0		49·6	14·8	
9·8		53·8	56·6	
9·6		55·6	8·8	
9·4	23	0·6	54·5	
9·6		12·1	35·0	
9·9		17·6	8·8	
9·1		19·1	29·8	
9·2		21·6	36·6	
9·2		22·6	44·2	
9·4		27·1	46·5	
10·0		30·6	19·3	
9·6		37·6	39·6	
9·9		40·6	34·6	
9·5		49·1	18·2	
9·2	24	20·1	15·8	
10·0		26·1	50·2	
9·8		26·6	49·3	
9·6		29·6	37·3	
9·9		32·6	22·5	
10·0		32·6	2·5	
10·0		40·6	24·2	
9·4		46·6	44·7	
9·8		47·6	16·7	
9·8		53·1	4·9	
9·6		55·9	59·0	
10·0		59·6	29·1	
9·7	25	2·6	51·1	
9·5		4·6	53·2	
9·0		11·6	27·1	
8·4		14·1	3·6	8·0 Ga
9·8		16·6	57·8	
9·6		20·1	37·0	
9·3		24·6	1·7	9·5
9·7		29·1	25·8	
9·5		30·1	19·2	
	+1	1·6	—0·8	

1501—1560.

mag.	6h. m	s	—24° ′	
9·6	25	35·6	58·5	
10·0		38·1	7·7	
9·0		52·6	48·4	10·0
9·2		58·6	48·8	
9·1	26	1·6	36·2	
10·0		8·6	34·9	
9·5		17·6	19·2	
9·9		22·1	19·7	
9·0		27·1	4·7	
9·0		32·1	57·5	9·2
9·2		38·1	40·0	
10·0		56·1	9·2	
9·6	27	13·6	25·2	
9·2		19·6	42·9	
9·2		20·6	2·3	
9·0		32·6	3·3	
9·7		32·6	45·4	
9·8		35·6	28·3	
9·5		39·1	26·0	
9·6		39·6	39·9	
8·7		41·1	16·5	8·0
9·9		42·1	53·9	
9·6		47·6	52·1	
9·4		51·1	24·1	
9·3		54·1	17·6	
8·8	28	6·6	22·6	9·0
10·0		6·6	34·2	
9·9		9·1	42·6	
9·5		12·6	54·6	
9·6		16·1	25·9	
8·2		18·6	7·7	8·5 Ga
9·6		21·6	38·7	
9·3		40·6	24·9	9·5
9·8		49·1	25·2	
9·7		52·1	52·7	
9·8	29	7·6	28·6	
9·6		14·1	11·1	
10·0		15·6	44·2	
9·8		15·6	43·3	
9·5		26·1	26·8	
8·6		28·6	6·9	a
9·1		32·6	4·2	a
9·8		45·6	30·0	
8·6		58·1	19·1	
9·7	30	2·1	28·3	
9·5		6·1	48·2	
9·0		11·1	36·4	8·5
9·8		18·1	29·0	
9·8		30·6	29·2	
9·4		35·6	21·6	
9·9		41·1	49·7	
9·6		51·6	5·5	
9·9		52·6	33·6	
8·8		52·8	1·5	9·0
7·9		55·4	1·1	8·0 GWa
8·5		57·6	45·8	
9·0	31	1·1	19·6	8·5 a
9·6		9·4	11·8	
9·9		13·1	10·1	
9·8		19·6	53·4	
	+1	1·7	—1·0	

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1561—1620.

mag.	6h m	s	−24° ′	
9.6	31	28.6	6.0	
9.8		36.1	31.3	
10.0		44.3	54.8	
10.0		54.1	38.0	
9.8	32	9.3	56.6	
10.0		11.6	39.4	
10.0		26.3	42.1	
9.9		31.3	58.9	
9.3		34.1	39.1	9.0 a
9.5		35.1	3.7	
9.9		37.1	18.3	
9.9		38.7	57.7	
9.5		40.1	38.5	
9.7	33	11.6	21.3	
9.2		24.1	48.5	a
8.9		26.1	3.8	
8.8		28.6	51.5	9.0 a
9.4		53.1	32.1	
8.7		57.6	14.3	
9.2		58.1	48.7	a
9.6	34	0.1	32.7	
9.9		22.1	31.9	
9.1		31.1	40.9	a
9.1		37.1	46.0	a
9.9		44.1	33.9	
9.9		48.6	16.2	
9.9		59.1	15.4	
9.5		59.1	34.2	
9.8	35	5.6	45.1	
8.8		9.1	46.0	a
9.7		13.1	57.6	
9.5		23.1	31.4	
9.1		41.1	45.6	8.5 Ga
9.3		47.1	32.6	
8.8		47.9	59.1	9.0 a
8.8		57.1	41.8	9.0 a
9.2		57.1	25.7	
9.3	36	0.1	30.7	
9.9		14.4	6.3	
8.0		17.6	15.9	8.0 Ga
9.2		22.1	16.7	
9.9		38.4	49.3	
8.5		56.9	7.3	8.5 Ga
9.0	37	13.4	6.9	8.5 G
8.4		26.9	21.2	8.0 G
9.9		28.9	9.3	
9.5		40.9	55.8	
9.5		45.9	4.4	
9.9		46.4	54.9	
9.9		50.9	30.9	
9.9		54.4	56.9	
9.8		54.9	18.6	
9.2		58.9	47.7	
9.0	38	2.9	18.9	8.5
9.5		9.9	34.2	
9.0		13.9	26.9	
9.5		22.9	39.2	
9.8		23.9	31.1	
9.5		26.9	20.3	
9.7		34.9	19.1	
25pr.	+1	1.7	−1.3	

1621—1680.

mag.	6h. m	s	−24° ′	
9.5	38	38.9	53.5	9.5
9.9		52.9	50.7	
9.9		53.9	0.7	
9.4		56.9	14.9	
9.8	39	2.4	9.9	
9.9		12.9	23.8	
9.6		24.4	4.0	
9.8		38.9	8.6	
9.3		40.4	9.2	
9.9		40.9	10.0	
9.4		44.4	8.0	
9.5		50.9	54.6	
9.9		52.9	30.9	
9.7		53.9	53.4	
9.6		58.9	30.0	
9.5	40	0.9	13.1	
9.3		1.9	6.1	8.8 a
9.3		2.7	29.3	
9.9		2.7	1.8	
9.9		4.7	3.5	9.5
9.9		9.2	9.1	
9.9		11.7	46.1	
9.9		14.2	12.3	
9.9		15.7	11.9	
8.9		23.7	45.9	a
8.4		26.7	3.3	8.5 a
9.9		26.7	17.9	
9.9		32.7	23.4	
9.7		37.7	37.9	
9.9		46.7	39.9	
9.9		53.7	14.9	
9.9		58.7	24.1	
9.6	41	14.7	27.2	
9.7		22.7	27.8	
9.6		22.7	39.3	
8.0		27.1	0.7	8.2 Ga
9.1		32.7	36.5	9.5
9.7		44.7	26.1	
9.8		47.2	59.3	
9.7		53.7	29.3	
9.7	42	13.2	48.7	
9.9		17.2	6.3	
7.8		31.7	48.4	8.0 Ga
9.7		33.7	42.1	
9.1		33.7	57.4	8.8 a
9.2		35.7	10.5	9.8
9.4		38.7	36.1	
9.5		38.7	10.6	
9.9		44.7	36.9	
9.9		54.2	39.3	
9.8	43	1.4	58.9	
9.9		3.7	54.9	
9.7		4.2	22.7	
9.9		6.7	15.3	
8.6		7.7	25.5	a
9.7		8.7	17.8	
9.9		34.0	5.3	
8.5		44.5	51.7	9.2 a
9.9		51.7	8.0	
9.9		53.5	58.1	
	+1	1.8	−1.5	

1681—1740.

mag	6h. m	s	−24° ′	
8.7	43	58.5	28.4	9.5 a
9.7	44	2.5	17.7	
9.6		7.0	18.4	
9.9		24.0	55.0	
9.1		25.5	4.4	8.3 a
7.8		26.8	0.2	7.7 GSa
9.9		32.0	22.1	
9.9		38.5	10.6	
7.9		42.5	51.3	Ga
9.7		42.5	16.9	
9.5		43.5	11.3	
9.9		47.0	48.5	
9.0		53.5	55.1	
9.9		57.7	19.0	
9.6	45	4.0	41.4	
9.8		6.0	14.8	
9.7		6.0	57.8	
9.5		12.8	59.7	
9.4		16.0	3.2	
9.9		16.5	44.1	
9.9		19.3	59.0	
8.6		24.5	48.8	
9.7		36.5	4.8	
8.3		47.0	35.5	9.0
8.4		47.0	15.1	9.0
9.2		53.5	22.2	
9.6		55.7	58.4	
9.0		57.0	33.5	
9.7	46	5.0	40.0	
9.9		23.5	25.9	
9.5		28.0	55.0	
9.8		35.5	24.4	
9.5		41.0	15.2	
9.4		44.5	58.2	
9.5		52.0	37.2	
9.0		58.5	47.1	9.5
9.7	47	12.5	5.9	
9.9		13.5	41.2	
9.1		18.5	53.4	9.5
9.2		23.5	18.6	
9.9		27.2	8.9	
9.7		33.7	34.2	
9.4		38.2	10.1	
9.9		50.2	4.6	
9.9		54.2	28.1	
9.9		56.7	32.8	
8.4		59.2	45.2	9.0
7.6	48	2.2	0.9	8.5 Sb
8.9		3.2	6.6	
7.4		13.2	31.6	GS
9.9		16.7	6.8	
9.7		16.7	55.6	
8.9		22.7	15.7	G
9.9		26.7	30.3	
9.5		30.2	13.6	
8.6		30.2	13.9	GSb
9.9		32.2	7.9	
9.6		32.2	11.0	
9.9		37.2	53.3	
7.9		38.2	4.6	8.5 GStπ
	+1	1.9	−1.7	

1741—1800.

mag.	6h. m	s	−24° ′	
9.8	48	41.7	6.9	
9.5		44.2	41.8	
7.0		46.2	23.0	GSbl
9.5		54.2	36.4	
7.2		56.4	1.8	4.0 GSπβ
9.8	49	1.7	38.3	
9.7		6.2	21.8	
9.9		22.2	13.7	
9.9		23.2	40.5	
9.9		24.2	26.9	
8.4		31.2	6.0	9.0
9.9		32.5	1.7	
8.7		33.2	0.6	
8.4		33.7	46.0	
8.2		33.7	9.6	9.0 a
9.7		36.7	19.1	
9.1		37.7	26.3	
9.7		38.2	39.6	
9.7		42.2	38.0	
9.9		42.5	35.1	
7.9		44.0	33.6	8.5
9.8		44.5	55.9	
9.2		46.0	31.3	9.0
9.0		48.0	6.1	9.5
9.1		50.0	35.6	
9.5		52.0	36.1	
9.1		54.0	16.3	
9.2		56.4	2.2	
9.2		56.5	22.4	
8.6	50	13.5	12.1	9.5
9.9		22.0	13.1	
8.8		23.0	13.5	9.0 Ga
9.7		28.5	5.8	
8.0		33.0	31.1	8.0
9.9		34.0	26.6	
9.9		43.0	38.5	
9.9		46.5	40.0	
9.9		50.5	23.9	
9.4		51.5	0.5	
9.9	51	2.0	34.2	
8.9		3.0	38.7	8.5 G
9.9		3.0	10.0	
9.9		11.0	39.1	
9.9		13.0	27.9	
9.6		16.0	45.6	
8.6		28.0	42.1	9.0
9.8		28.5	8.3	
8.4		43.5	21.1	9.5 a
8.6		45.0	48.3	8.5 GSbc
9.9		50.0	44.1	
9.4		56.0	26.3	
8.8	52	1.0	18.5	9.5 a
8.7		2.0	17.3	9.0 a
8.6		2.0	59.4	8.5 Ga
9.3		2.0	20.7	
9.9		9.0	46.5	
9.7		15.0	13.7	
6.6		23.7	28.1	6.0 GStπ
8.9		32.7	30.7	
9.6		32.7	7.1	
	+1	1.9	−1.8	

1801—1860.

mag.	6h. m	s	−24° ′	
9·7	52	33·2	1·3	
9·3		54·4	2·8	
8·7	53	3·7	8·2	9·0 G
9·9		10·7	39·9	
9·9		14·7	46·9	
9·9		20·2	56·3	
9·7		20·7	21·3	
9·3		28·7	4·4	
9·9		30·2	6·1	
9·7		30·7	10·9	
9·0		35·7	21·1	
9·6		41·7	31·0	
9·0		43·7	45·6	
9·9		51·7	14·9	
9·3		53·2	46·3	9·0 a
9·1		57·2	31·4	
9·9		58·2	22·5	
8·9	54	1·5	42·3	10·0
9·7		2·7	20·6	
9·5		3·7	8·9	9·5 a
9·9-		11·2	20·9	
9·8		16·7	2·4	
9·7		20·5	17·6	
9·3		32·7	42·8	
9·8		33·7	25·3	
9·8		34·2	26·4	
9·8		34·6	15·2	
9·6		35·2	53·4	
9·4		36·2	31·4	
9·6		42·2	39·1	
9·7		42·4	0·3	
9·7		45·7	16·2	
8·8		47·4	30·6	9·5
9·2		47·7	52·2	
8·9		54·7	23·8	
9·8		57·9	0·7	
8·8	55	4·7	7·0	
9·4		5·2	53·5	
9·8		7·2	6·9	
9·4		7·7	8·2	
9·2		17·7	22·5	
9·8		20·2	3·8	
9·0		23·2	6·8	−
8·4		23·7	27·1	9·0
8·1		43·7	18·8	8·5
9·6		44·2	11·0	
9·8		46·7	20·7	
9·7		47·7	16·8	
9·8		49·2	58·5	
9·8		52·7	37·4	
9·8		53·2	33·8	
9·8		54·4	0·9	
9·4		54·7	7·2	
9·5		56·7	26·2	
9·4		56·7	28·2	
9·6	56	1·2	26·0	
9·5		3·7	15·9	
9·6		4·7	9·0	
9·5		7·7	39·1	
9·8		14·4	59·9	
25pr.	+ 1	2·0	−2·0	

1861—1920.

mag.	6h. m	s	−24° ′	
9·3	56	14·7	35·8	
9·8		19·2	33·0	
9·8		19·2	41·4	
9·8		28·7	37·9	
9·8		32·2	39·2	
9·3		33·2	17·5	
9·7		37·7	43·7	
9·8		44·7	7·0	
8·8		50·7	30·8	
9·5		50·7	4·3	
9·0		57·2	21·3	
9·3		58·7	14·8	
9·0	57	1·7	5·4	
9·8		9·2	29·7	
9·8		17·7	55·4	
8·8		18·7	41·7	
9·6		36·7	8·8	
9·6		38·2	8·1	
9·8		38·2	54·8	
7·9		43·7	24·1	8·5 G
9·8		48·7	53·4	
9·4		48·7	43·4	
8·4		49·7	3·1	=
9·4		51·2	4·9	
9·1		52·7	25·9	9·5
9·0		53·7	19·4	
9·7		54·7	49·8	
9·5		55·2	59·3	
9·3	58	1·2	34·5	
9·2		2·7	32·4	
8·8		5·2	9·8	
9·1		8·7	8·0	
9·6		8·7	50·1	
9·7		10·7	44·1	
9·6		16·7	23·7	
9·6		18·2	33·1	
9·8		20·9	39·8	
9·6		21·2	4·8	
9·5		22·7	4·1	
9·5		24·2	36·8	
9·2		26·7	5·7	9·5 G
9·0		32·7	19·6	
8·3		32·7	7·6	9·0 G≡
9·6		33·7	8·3	
7·3		33·7	54·1	7·5
9·6		35·7	33·5	
9·6		37·2	50·1	
9·6		43·7	31·5	
9·7		48·7	20·8	
9·6		49·7	31·3	
9·6		53·7	48·1	
9·8		54·7	11·8	
9·4	59	4·7	11·4	
9·4		7·3	1·3	
9·4		7·5	1·0	
9·2		14·2	59·6	
9·8		39·2	22·1	
9·4		40·7	40·3	
9·4		46·7	29·9	
9·6		48·2	56·9	
	+ 1	2·1	−2·1	

1921—1980.

mag.	6h.–7h. m	s	−24° ′	
9·8	59	52·7	54·3	
9·4		53·7	58·9	9·2
9·0		56·7	22·4	9·5
8·3		58·2	54·8	8·5 a
9·5		59·2	35·8	
9·1	0	2·7	16·0	
9·8		3·7	52·5	
9·8		7·7	18·2	
9·4		13·7	8·9	
9·2		18·7	38·7	
9·8		21·2	6·3	
9·6		25·7	50·5	
9·6		26·7	55·3	
9·8		27·8	25·4	
9·6		30·7	45·3	
8·8		32·2	22·8	9·5 a
9·0		32·7	34·0	
8·4		36·7	49·1	9·0 a
9·0		39·5	2·7	
9·4		45·2	29·5	
9·8		53·2	15·6	
9·6		53·7	37·9	
9·6		59·2	42·9	
9·6		59·2	58·9	
8·3	1	1·7	29·5	8·5 Ga
9·4		1·7	24·8	
9·6		2·2	35·1	
9·3		6·7	25·5	9·5
9·4		9·2	31·1	
9·7		18·0	0·5	
9·3		23·7	18·3	
9·8		30·2	55·4	
9·7		32·7	47·7	
9·6		33·7	32·0	
9·3		33·7	9·9	
9·0		38·7	11·2	
9·6		41·7	27·3	
9·8		41·7	26·3	
8·1		42·7	46·1	7·0 GSa
9·6		42·7	20·8	
9·7		42·7	43·0	
9·6		46·7	43·0	
9·3		47·7	39·4	
9·6		56·7	18·1	
9·8	2	1·2	57·7	
9·0		2·7	28·9	
9·0		2·7	35·6	
9·4		3·7	30·8	
9·3		6·7	44·0	
9·8		10·2	0·3	
9·4		12·7	16·9	
9·4		13·2	54·1	
9·7		14·2	4·6	
9·8		18·7	8·0	
9·4		22·7	20·4	
9·7		23·7	40·9	
9·6		32·7	9·4	
9·8		34·7	42·4	
9·1		36·7	18·2	
9·8		38·7	15·8	
	+ 1	2·1	−2·2	

1981—2040.

mag.	7h. m	s	−24° ′	
9·7	2	43·7	46·0	
9·7		44·7	1·0	
9·2		46·7	27·4	
9·5		46·7	43·5	
9·0		47·2	33·9	
9·8		52·2	19·4	
9·2		52·7	8·1	
9·8		54·2	47·1	
9·0		55·7	46·1	
9·6		56·2	54·1	
9·3		56·7	40·4	
9·8		56·7	23·9	
9·5	3	0·7	58·5	
9·6		6·2	21·6	
8·6		6·5	3·2	9·2 a
9·8		10·2	2·6	
9·7		15·7	43·9	
9·5		16·7	4·0	
9·5		22·7	59·8	
9·3		23·7	11·7	
9·5		28·7	24·4	
9·4		29·2	12·7	
9·8		31·7	33·4	
9·6		35·7	34·1	
9·2		42·7	54·4	
9·8		44·7	51·5	
9·4		55·7	46·2	
9·8		56·7	55·0	
8·8		58·7	16·0	9·5
8·4		59·7	59·4	9·0 a
9·5		59·7	19·9	
9·8	4	0·7	17·0	
9·5		3·7	20·5	
9·2		3·7	33·4	
9·8		3·7	58·2	
9·2		4·7	9·3	
9·1		18·0	59·1	
9·1		22·7	6·5	8·5 −
9·6		23·7	26·3	
9·6		25·7	58·2	
9·6		28·7	21·2	
9·3		34·7	12·8	9·5
9·4		36·7	13·8	
9·8		42·7	35·8	
9·8		42·7	40·5	
9·7		44·7	6·5	
8·6		46·7	12·5	9·5
9·6		49·2	21·9	
9·2		50·7	45·1	
9·4		52·7	54·9	
9·7		52·7	26·8	
9·3		56·7	23·6	
8·6	5	5·2	4·5	9·5 a
9·6		13·5	59·8	
8·4		14·7	8·6	8·8 Ga
9·5		18·7	26·2	
9·6		19·2	18·4	
9·7		19·7	26·7	
9·5		21·7	4·1	
9·2		26·7	2·3	
	+ 1	2·2	−2·3	

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2041—2100.

mag.	7h. m s	−24° ′	
9·2	5 32·2	53·0	
9·8	33·7	56·7	
9·3	33·7	8·8	
9·8	40·8	46·9	
9·5	42·7	9·9	
9·7	53·7	0·5	
9·5	53·7	30·8	
9·6	58·7	39·2	
9·8	6 1·2	33·4	
9·7	3·7	55·1	
9·7	5·2	32·6	
9·6	5·2	29·0	
9·6	7·7	51·3	
9·4	15·7	34·0	
9·4	16·7	30·3	
9·4	24·2	11·8	9·5
9·4	24·7	7·4	
9·7	29·7	33·1	
9·8	40·8	37·4	
9·3	41·8	25·6	
9·8	46·7	53·7	
9·8	52·2	30·1	
9·8	56·2	40·9	
9·3	7 8·7	36·3	
9·8	10·7	9·2	
9·6	13·7	25·7	
9·8	16·7	39·7	
9·8	18·8	58·9	
9·0	19·7	44·6	10·0
9·5	26·2	14·6	
9·8	33·2	51·5	
9·4	36·7	8·6	
9·8	37·2	51·2	
7·8	37·3	24·2	
9·7	38·7	36·3	
9·2	45·7	34·2	9·5
9·8	48·7	12·0	
8·3	50·7	1·2	8·2 G≡
9·7	50·7	14·4	
9·5	51·7	10·4	
9·8	57·2	51·0	
9·5	8 6·2	51·0	
9·8	7·2	5·8	
9·0	12·2	20·4	9·5
9·8	16·2	40·1	
9·3	22·2	14·2	
9·2	26·2	4·8	
9·4	27·2	11·8	
9·8	28·2	2·6	
9·0	32·2	36·6	
9·5	41·7	55·9	
9·8	43·2	17·4	
9·6	49·2	27·4	
9·8	49·2	39·2	
9·7	53·2	34·8	
9·0	56·2	19·6	9·0
9·4	9 1·2	6·2	
9·4	9·2	26·8	
9·4	9·2	34·0	
9·5	12·4	58·9	
25pr.	+1 2·2	−2·4	

2101—2160.

mag.	7h. m s	−24° ′	
9·5	9 13·2	51·9	
9·3	14·2	7·4	
8·8	16·2	39·4	9·0
9·3	16·7	38·7	
9·5	19·2	51·0	
9·8	22·2	18·3	
8·5	23·2	43·3	9·0
9·6	23·2	27·5	
9·8	24·2	37·2	
9·8	39·2	3·0	
9·4	39·7	42·0	
9·5	41·9	51·9	
9·0	42·4	8·7	8·5 –
9·4	44·9	1·4	
9·8	50·4	22·0	
9·5	51·8	23·5	
9·2	52·9	38·6	
9·0	52·9	36·0	9·0
9·1	53·9	25·8	
9·1	55·9	23·0	
9·8	10 5·9	49·0	
9·4	11·9	31·2	
9·2	13·4	7·6	
9·2	13·9	16·3	9·0
9·0	31·9	20·8	9·5
9·4	31·9	50·0	
9·4	45·9	48·6	
9·5	49·9	32·6	
9·3	54·4	22·2	
9·6	55·9	53·6	
9·6	56·4	19·6	
9·5	57·4	53·2	
9·8	57·9	0·0	
9·5	11 6·9	26·4	
9·5	8·9	29·0	
9·8	9·4	5·0	
9·0	13·4	54·3	9·5
9·8	17·8	58·3	
9·8	19·9	17·6	
9·8	20·6	1·6	
9·3	23·9	17·6	
9·4	26·4	19·3	
9·8	29·8	52·8	
9·4	30·3	3·2	
9·4	32·9	26·4	
9·0	38·9	28·2	
9·8	40·4	13·2	
7·5	40·9	56·4	7·5 GSa
9·8	47·2	41·8	
9·2	47·8	2·5	9·5
9·8	47·9	17·0	
9·8	47·9	16·5	
9·5	54·2	32·9	
8·2	57·2	7·8	8·5 Ga
9·6	58·2	6·2	
9·6	59·7	36·9	
9·5	59·9	1·9	
9·4	12 1·2	24·9	
9·4	2·7	20·9	
9·4	5·9	1·9	10·0
	+1 2·3	−2·5	

2161—2220.

mag.	7h. m s	−24° ′	
9·1	12 10·7	17·6	
8·3	25·7	35·5	
9·3	27·2	46·5	
9·8	31·7	24·9	
9·5	37·7	38·3	
9·4	37·7	16·1	
9·4	39·2	15·2	
9·2	41·2	55·2	G
9·6	41·9	1·3	
9·7	45·7	59·5	
9·6	47·2	13·3	
9·5	47·2	18·0	
9·2	52·2	29·0	
9·4	54·2	12·5	
9·6	54·2	10·5	
9·6	54·2	25·7	
9·8	57·2	36·3	
9·5	57·5	1·0	
9·8	58·2	16·2	
9·6	59·4	56·6	
9·8	13 2·7	17·0	
8·8	4·7	42·1	
9·1	5·7	7·6	
9·7	10·5	26·3	
8·6	11·2	37·6	
9·4	11·5	18·8	9·5
9·8	12·5	31·5	
9·0	15·5	38·5	
9·5	17·5	54·0	
9·4	18·1	1·7	
9·8	20·0	42·7	
9·4	20·5	7·2	
9·6	21·5	53·8	
9·6	21·5	1·1	
9·6	22·5	47·3	
9·3	23·5	41·6	
9·5	24·0	43·8	
9·5	24·0	43·2	
9·6	24·0	45·7	
9·8	24·5	41·8	
9·4	25·0	48·2	
9·7	25·5	33·7	
9·0	25·5	46·0	
9·1	26·5	42·5	G
9·0	27·0	44·1	
9·7	27·5	45·4	
9·0	27·5	44·7	
9·3	27·5	42·7	
9·8	27·5	55·0	
5·4	28·0	19·8	6·0 GSπβ
9·7	29·5	45·2	
9·4	30·0	44·7	
8·6	30·5	46·6	
9·3	31·0	34·6	
9·6	31·5	55·3	
5·2	32·5	43·7	GStπβ
9·4	32·5	42·2	
9·4	32·5	40·2	
8·8	32·5	25·4	9·5 a
9·4	33·0	44·7	
	+1 2·4	−2·6	

2221—2280.

mag.	7h. m s	−24° ′	
9·8	13 33·5	35·3	
9·8	35·0	45·2	
9·2	35·0	46·0	
8·4	35·5	25·7	9·0 a
9·4	36·0	44·2	
9·4	37·0	39·8	
9·3	37·5	15·9	
8·4	37·5	43·3	Ga
9·8	38·5	45·0	
9·6	39·5	45·7	
8·8	39·5	44·2	
9·4	39·5	36·2	
9·8	41·5	52·1	
9·8	42·5	41·5	
9·5	43·0	45·8	
9·4	43·0	43·7	
9·8	44·0	42·7	
9·6	44·5	30·0	
9·0	44·8	57·7	•
9·4	47·5	44·0	
9·3	50·0	51·1	
9·0	51·5	25·7	
9·5	51·5	34·2	
9·5	54·0	42·6	
9·7	54·5	54·4	
9·4	58·9	36·9	
9·6	14 1·4	53·0	
7·1	2·4	43·6	GSatπ
9·0	3·9	52·2	
9·0	5·4	39·8	
9·6	6·4	41·6	
9·0	8·9	27·5	10·0
9·4	11·4	41·0	
9·3	14·9	42·8	
9·6	20·9	3·8	
9·7	23·4	34·2	
9·5	26·4	51·4	
9·8	32·4	37·8	
9·8	35·4	24·0	
9·6	35·4	19·7	
9·0	35·4	17·4	
9·5	37·4	57·4	
9·8	40·4	8·8	
8·6	41·4	46·0	Ga
9·6	41·4	57·4	
9·5	41·9	8·8	
9·7	41·9	43·7	
9·4	42·7	58·4	
9·6	45·4	30·1	
9·8	45·4	42·2	
9·6	50·4	56·8	
8·2	50·4	11·2	8·5 –
9·8	55·4	42·9	
9·6	55·4	32·6	
9·5	15 0·9	29·4	
9·6	1·2	57·3	
9·6	5·4	32·0	
9·4	5·4	35·9	
9·6	6·9	11·2	
9·5	6·9	48·1	
	+1 2·4	−2·7	

2281—2340.

mag.	7h m	s	—24° ′	
9·0	15	9·3	4·3	
9·6		10·8	41·9	
9·7		10·8	48·9	
9·5		11·3	38·9	
8·9		14·3	16·1	9·5
9·6		17·3	51·8	
9·8		20·3	25·7	
9·8		25·3	28·0	
8·6		25·3	56·5	a
9·1		29·3	36·0	9·0 a
9·4		31·0	2·3	
9·4		31·3	6·3	
9·1		32·8	35·1	
9·0		33·3	20·3	10·0
9·3		33·6	1·8	
9·0		35·0	2·2	10·0
9·8		37·3	54·7	
9·8		38·3	55·7	
9·4		45·3	22·0	
9·4		51·3	5·8	
8·9		52·6	58·3	a
9·2		57·3	38·0	9·5
9·7		58·8	55·0	
9·4	16	1·3	59·7	
9·6		2·3	57·7	
9·6		2·3	53·3	
9·1		3·3	18·3	
9·6		5·3	30·0	
9·6		6·3	44·1	
9·4		11·3	24·8	
9·6		12·3	32·9	
9·7		13·3	34·8	
9·7		14·8	43·9	
9·8		15·8	44·8	
9·7		16·3	45·0	
9·8		22·3	8·2	
9·5		26·3	56·0	
9·5		27·3	37·2	
9·3		30·8	12·9	
9·5		33·3	25·8	
9·2		36·3	10·5	
9·6		36·3	26·0	
9·8		36·8	14·2	
9·4		41·6	48·3	9·5
9·4		45·1	45·1	
9·4		46·1	58·7	
9·6		51·3	28·9	
9·6		57·3	23·9	
9·8		57·4	28·3	
9·7		59·6	20·6	
9·8	17	0·6	26·9	
9·8		1·1	31·1	
9·3		3·6	58·2	
9·7		5·3	53·1	
9·6		7·1	57·1	
8·8		12·1	40·0	8·0 GWa
9·5		14·3	29·4	
9·8		16·9	31·5	
9·8		18·9	26·3	
9·8		20·1	33·0	
25pr.	+ 1	2·4	—2·7	

2341—2400.

mag.	7h m	s	—24° ′	
9·0	17	24·8	51·7	
9·4		29·3	55·6	
9·4		33·5	1·2	
8·5		35·0	56·1	–
9·4		40·8	31·6	
9·8		41·5	54·9	
9·8		41·8	48·5	
9·3		42·7	21·5	
9·8		44·0	29·2	
9·8		44·3	42·1	
9·3		45·0	43·1	
9·8		48·9	22·4	
9·6		50·0	38·4	
9·8		52·5	14·2	
9·6		53·5	23·8	
9·8		54·5	14·4	
9·8	18	2·0	50·3	
9·5		11·5	17·2	
8·8		17·5	42·8	8·5 GWa
9·4		25·0	32·5	
9·0		26·5	19·5	
9·6		27·0	7·0	
9·6		32·5	46·6	
9·6		33·0	52·9	
9·7		40·0	33·9	
9·6		41·5	35·9	
9·0		44·5	4·6	
9·8		45·0	41·6	
9·5		46·5	55·2	
9·5		46·5	7·0	
9·8		47·0	49·8	
9·5		48·0	6·8	
9·7		50·8	58·9	
9·7		51·2	51·0	
9·6		51·2	41·4	
9·8		53·7	42·5	
9·8		54·7	32·7	
9·8	19	1·7	32·6	
9·8		1·7	29·4	
9·8		1·7	55·4	
9·2		5·2	24·5	
9·8		5·2	29·2	
9·8		5·7	55·2	
9·8		7·2	24·1	
8·7		11·2	35·5	9·5 G
9·3		12·2	47·2	
9·2		16·2	40·1	9·5
9·6		18·2	28·8	
9·8		24·7	47·2	
9·6		34·2	26·6	
8·7		36·2	48·4	9·0
9·1		36·2	49·1	9·5
9·2		43·7	34·1	9·0
8·1		45·2	10·8	8·5 G≡
9·8		46·2	21·2	
9·6		53·2	41·2	
9·8		54·2	28·2	
9·6		54·4	57·5	
9·5		58·2	49·5	
9·8	20	1·7	19·8	
	+ 1	2·5	—2·8	

2401—2460.

mag.	7h m	s	—24° ′	
9·8	20	10·7	2·2	
9·8		13·2	11·6	
6·3		14·7	58·4	6·5 GSa
9·8		15·7	27·5	
9·6		19·2	27·2	
9·8		21·2	16·6	
9·8		22·2	19·3	
9·8		24·7	12·2	
9·6		27·7	43·0	
9·6		28·2	52·4	
9·1		31·2	51·5	
9·3		36·2	48·2	
9·0		36·7	34·7	
9·4		39·2	45·1	
9·8		41·7	17·4	
9·4		41·7	23·6	
9·3		43·2	38·9	
9·5		49·7	18·6	
9·4		50·7	49·8	9·5 a
9·6		51·2	15·5	
9·4		53·2	7·5	
9·6		57·4	56·8	
9·8	21	1·2	53·8	
9·6		6·2	22·6	
9·0		6·2	47·1	10·0
9·6		11·7	19·2	
8·2		26·2	12·7	9·0 –
9·6		27·2	37·8	
9·2		27·2	36·2	
9·2		40·7	18·6	
9·6		43·3	1·8	
9·0		44·7	4·0	
9·8		46·2	4·1	
9·8		53·2	24·6	
9·4		54·7	35·0	9·5
9·4		55·2	49·7	
9·8		56·9	58·4	
9·3	22	11·2	44·4	
9·6		16·2	3·4	
9·8		16·5	0·6	
8·0		20·2	47·7	8·5
9·8		25·7	48·3	
9·6		29·2	47·9	
8·8		32·2	31·2	9·0
9·8		33·7	50·0	
9·4		36·7	16·1	
9·7		38·7	39·2	
9·5		53·2	11·6	
9·6		56·9	57·2	
9·8	23	2·2	19·6	
9·8		3·7	53·0	
9·6		10·2	40·6	
8·8		11·7	52·4	8·5 –
9·8		11·7	7·2	
9·4		15·2	10·2	
9·6		15·7	12·6	
9·4		16·2	38·2	
9·6		20·2	42·2	
9·5		21·2	21·4	
9·8		24·2	14·8	
	+ 1	2·5	—2·9	

2461—2520.

mag.	7h m	s	—24° ′	
9·6	23	24·2	43·5	
8·8		25·2	3·1	9·5
9·6		27·7	55·9	
9·4		38·2	39·0	
9·5		40·2	13·2	
9·0		43·4	57·6	
9·2		55·2	30·9	
9·8		55·7	40·0	
9·4		56·2	14·2	
9·8	24	0·7	25·8	
9·2		1·2	56·2	9·0
9·3		6·2	56·2	8·5
9·8		12·2	5·2	
9·4		14·2	3·7	
9·5		17·7	39·7	
9·4		24·2	6·4	9·5
9·2		24·2	17·2	
9·4		27·2	5·4	
8·8		30·2	12·4	9·0
9·4		32·2	27·4	
9·3		40·2	53·7	G
9·7		43·7	16·4	
9·6		45·2	55·8	
8·0		51·2	53·3	8·0 GW
9·7		55·2	18·6	
9·8		55·7	12·0	
9·8	25	3·2	35·8	
9·0		9·0	1·2	10·0
9·6		9·7	58·6	
9·8		10·2	20·0	
9·2		18·7	24·3	
9·7		21·2	41·2	
9·6		23·7	54·4	
9·8		26·2	24·5	
9·0		27·2	12·7	
9·8		29·0	2·1	
9·8		31·2	43·0	
9·7		31·2	43·2	
9·4		33·7	25·7	
9·4		36·2	24·4	
9·6		37·2	19·7	
9·6		41·0	1·6	
9·8		41·2	50·6	
8·2		43·2	24·3	9·0
9·2		47·2	52·2	
9·8		53·2	21·7	
9·2		55·2	36·6	
9·8		56·2	29·2	
9·8		57·2	22·1	
9·8	26	3·2	12·2	
9·8		6·2	13·8	
9·6		16·2	4·4	
9·6		17·2	21·2	
9·5		17·4	59·0	
9·6		20·2	26·4	
9·3		24·7	15·6	
9·4		26·2	40·8	
9·4		31·2	15·2	
9·6		36·2	12·4	
9·1		36·4	57·8	
	+ 1	2·6	—3·0	

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2521—2580.

mag.	7h. m s	—24° '	
9.4	26 46.7	52.8	9.5
8.9	51.2	7.4	9.0 a
8.7	55.7	53.6	8.8 a
9.6	56.7	44.0	
9.0	58.7	45.2	
9.8	27 1.2	6.0	
9.8	4.2	44.0	
9.6	4.2	59.2	
9.4	7.7	19.9	
9.8	8.2	38.8	
8.8	11.2	47.0	
9.8	16.2	2.9	
9.8	16.2	16.5	
9.4	19.7	37.6	
8.8	24.2	18.3	9.0 a
9.4	25.7	46.6	
9.4	30.7	17.5	9.5 a
9.6	33.2	55.0	
9.8	44.7	23.0	
9.8	52.2	37.2	
7.0	56.2	26.5	7.0 GStl
9.4	28 3.2	44.7	
9.2	4.7	27.6	
9.8	5.9	59.9	
9.6	6.2	35.4	
9.4	11.7	28.6	
9.4	11.7	47.4	
9.6	12.7	18.6	
8.4	19.2	3.0	9.0 –
9.8	20.8	20.0	
9.3	21.2	29.6	9.5
9.7	24.2	14.7	
9.8	24.7	32.7	
9.8	26.7	52.0	
9.2	28.2	53.7	
8.8	36.1	29.0	9.0 al
9.5	38.6	5.2	9.5
9.8	41.8	58.0	
9.7	42.1	0.4	
9.8	52.1	13.2	
9.6	54.1	47.8	
9.0	56.6	17.8	
9.4	29 9.6	38.2	
9.4	12.6	15.0	
9.6	12.6	13.2	
9.8	16.1	12.7	
9.7	16.1	43.5	
9.5	16.1	19.1	
9.8	25.1	5.2	
9.6	26.1	6.9	
9.8	26.6	33.1	
9.8	27.1	19.2	
9.4	36.6	39.4	
9.6	43.6	5.8	
9.3	45.1	40.7	
9.6	46.6	46.1	
9.7	51.6	9.8	
9.7	58.1	15.3	
9.4	59.1	30.2	
9.3	59.6	20.0	
25pr.	+1 2.7	−3.1	

2581—2640.

mag.	7h. m s	—24° '	
9.6	30 7.1	42.2	
9.1	7.6	40.6	
9.6	9.6	35.5	
9.3	18.6	26.7	
9.8	21.1	53.6	
9.8	21.6	30.2	
9.2	23.6	48.3	
9.3	25.5	37.7	
9.6	26.0	46.0	
9.0	33.0	10.9	
9.2	35.0	55.2	
8.7	38.0	37.0	9.0
9.8	38.0	7.3	
9.6	38.0	55.4	
9.8	50.0	50.6	
9.4	54.0	3.2	
9.4	56.0	27.4	
9.3	31 0.5	32.9	
8.1	4.5	19.9	
9.3	6.0	34.0	9.5
9.8	11.5	35.1	
9.6	14.0	49.7	
9.8	14.0	7.0	
9.5	20.5	24.1	
9.8	22.0	56.1	
9.8	23.5	46.0	
9.2	26.5	3.4	
9.6	32.0	53.1	
9.6	33.0	46.2	
9.8	34.0	23.9	
9.6	35.0	58.0	
9.4	37.0	19.9	
8.1	42.0	1.3	8.2 –
9.6	45.0	19.6	
9.6	46.0	44.9	
9.3	46.5	43.8	
9.8	47.5	18.6	
9.8	48.0	16.1	
9.8	50.0	14.5	
9.7	52.9	20.4	
9.2	53.5	7.2	
9.6	32 4.9	34.0	
9.8	8.9	43.1	
9.6	11.4	30.7	
9.8	12.4	12.3	
9.6	16.4	24.7	
9.2	16.9	18.6	10.0
9.8	20.9	32.6	
9.6	22.9	27.9	
9.5	23.9	16.9	10.0
9.3	23.9	52.0	
9.6	25.4	31.3	
9.4	27.4	52.4	
9.8	31.4	10.5	
9.6	33.9	38.5	
9.8	36.9	22.7	
9.8	36.9	42.2	
9.7	44.4	19.1	
9.1	44.4	13.3	
9.8	46.4	20.6	
	+1 2.8	−3.3	

2641—2700.

mag.	7h. m s	—24° '	
9.4	32 46.9	9.5	
9.4	47.4	52.2	
9.8	52.9	30.9	
9.8	55.9	16.4	
9.8	33 1.4	20.3	
9.6	3.9	5.4	
9.8	19.9	24.8	
9.7	22.9	12.3	
9.8	30.9	36.4	
9.6	44.9	43.7	
9.0	45.9	43.0	
9.7	51.4	33.0	
9.8	51.9	28.0	
9.8	55.9	37.5	
9.6	34 2.2	57.9	
9.8	3.4	13.4	
9.8	5.4	0.7	
9.8	5.9	14.5	
9.8	6.9	5.5	
9.8	7.9	44.1	
9.2	17.4	17.6	9.5
9.8	18.4	42.0	
9.8	20.8	31.1	
9.6	24.4	41.0	
9.8	25.9	4.8	
9.8	39.4	48.4	
9.0	43.4	48.1	
9.1	44.4	6.0	
9.2	45.9	44.9	
9.8	46.4	35.3	
8.9	46.9	26.1	8.5 Gal
9.6	48.9	38.3	
8.7	53.4	15.1	8.5 bl
9.2	54.4	9.4	9.5
9.6	56.9	9.2	
9.6	59.6	0.0	
9.0	35 1.9	13.3	9.5
9.8	3.9	21.9	
9.7	4.4	16.0	
9.8	6.9	47.4	
9.6	8.4	4.2	
9.8	10.4	17.3	
9.8	10.4	4.0	
9.4	11.9	33.8	
9.8	15.9	3.8	
9.8	17.4	25.8	
9.8	18.9	38.7	
9.8	24.9	47.3	
9.3	25.9	10.3	
9.4	26.3	20.3	
9.6	28.8	31.5	
9.8	30.1	1.2	
9.4	30.8	45.9	
9.1	36.3	19.4	9.5 a
9.6	37.8	4.1	
9.4	42.8	15.2	
8.8	45.8	18.4	9.0 a
9.6	47.8	7.2	
9.8	47.8	23.5	
9.6	49.8	56.4	
	+1 2.8	−3.4	

2701—2760.

mag.	7h. m s	—24° '	
9.5	35 50.8	25.1	
9.8	36 0.6	59.9	
9.6	1.8	3.9	
9.5	11.3	6.8	
9.8	12.3	4.5	
9.4	13.3	54.9	
9.0	14.3	15.3	9.5
9.8	15.8	47.9	
9.8	16.3	15.0	
9.6	17.3	14.4	10.0
9.6	23.8	34.9	
9.8	25.3	22.4	
8.6	25.3	35.4	
9.7	35.8	45.0	
9.8	36.3	18.0	
9.8	38.8	49.3	
9.0	38.8	40.4	
9.6	40.8	41.6	
9.7	41.8	12.5	
9.6	41.8	1.2	
9.8	48.3	56.2	
9.8	54.3	11.7	
9.4	54.4	57.3	
9.4	55.8	55.7	
9.8	56.8	55.4	
9.8	58.0	23.8	
9.8	37 1.5	12.3	
9.6	5.5	47.8	
9.0	13.0	47.9	
9.7	14.0	5.2	
9.7	19.5	21.3	
9.4	20.5	10.2	
9.8	21.0	17.1	
9.6	21.0	34.5	
8.6	23.0	12.4	9.0 a
9.6	26.0	13.2	
9.4	26.5	50.0	
9.2	29.5	14.6	9.5 a
9.6	30.5	50.5	
9.8	45.0	28.1	
9.7	45.5	30.9	
9.8	45.5	31.4	
9.7	46.5	4.2	
9.6	51.5	26.1	
9.8	52.0	39.2	
8.9	53.0	18.1	9.5
9.8	53.0	44.2	
9.8	54.3	58.9	
9.2	55.5	19.3	
9.8	56.5	53.3	
9.8	57.5	29.1	
8.8	59.0	18.3	8.5 Ga
9.6	38 1.0	13.9	
9.8	3.5	27.8	
9.6	4.5	42.2	
9.8	4.5	46.0	
9.8	5.0	35.5	
9.6	8.0	10.0	
9.7	9.4	17.3	
9.5	10.4	48.2	
	+1 2.9	−3.4	

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2761—2820.

mag.	7h. m	s	−24° ′	
9·4	38	13·9	20·3	
9·8		14·2	45·9	
9·2		20·4	35·5	
9·8		20·9	8·0	
9·8		22·4	7·6	
9·7		24·2	58·4	
9·8		24·4	41·1	
9·7		30·4	55·0	
9·8		30·4	7·5	
8·8		30·9	22·0	9·5 a
9·8		33·1	1·0	
9·4		33·9	26·0	
9·2		35·4	31·0	
9·2		41·9	31·4	
9·8		46·1	13·9	
9·3		46·9	40·7	
9·3		51·4	55·7	
9·1		52·4	38·1	G
9·6		52·9	34·0	
9·6		53·4	38·3	
9·8		53·4	10·8	
8·6		54·9	38·9	Ga
9·1		55·9	52·5	
8·8		55·9	30·7	9·5 a
9·1		55·9	22·8	
9·8		58·3	35·1	
9·4		58·3	48·9	
9·8		58·8	5·9	
9·3	39	1·7	33·8	
9·8		2·6	16·0	
9·1		4·4	37·4	
9·0		4·6	24·2	
9·2		5·4	1·8	
9·9		10·2	5·9	
9·9		10·2	29·9	
9·9		12·2	40·3	
9·5		14·7	24·9	
8·8		17·2	45·1	
9·8		19·2	41·0	
6·6		19·7	22·5	7·0 GScl
9·9		21·3	59·8	
9·7		21·7	51·0	
8·8		22·5	15·1	
9·3		23·0	6·2	
9·9		24·0	4·4	
9·9		24·7	41·8	
9·6		26·0	50·3	
9·9		27·0	52·7	
9·6		31·0	49·5	
9·5		33·0	22·1	
9·3		33·0	27·5	
9·5		35·2	24·8	
9·9		37·0	49·0	
9·9		38·0	22·7	
9·9		38·0	58·0	
9·8		39·9	16·1	
9·5		40·5	47·4	
8·8		40·7	42·4	a
9·9		41·0	3·8	
9·8		44·3	10·4	
25pr.	+1	3·0	−3·5	

2821—2880.

mag.	7h. m	s	−24° ′	
9·7	39	45·2	23·2	
9·9		45·2	21·0	
9·8		45·2	11·8	
9·6		45·7	30·4	
9·8		47·0	10·8	
9·8		48·2	46·1	
9·9		49·0	2·3	
9·9		51·0	2·9	
9·6		51·2	59·5	
9·8		52·5	48·1	
8·4		54·8	21·2	8·5 Gal
9·9		55·3	47·5	
9·5	40	8·3	5·0	
9·9		10·3	48·1	
9·7		11·3	5·3	
9·8		17·8	23·9	
9·9		20·3	6·0	
9·9		28·8	1·1	
9·8		32·3	39·5	
9·6		35·8	56·0	
9·5		38·6	57·4	
9·2		42·3	29·8	
9·1		42·8	7·9	
9·9		45·3	8·3	
9·6		46·3	39·4	
9·5		48·5	58·3	
9·7		49·8	57·8	
9·5		53·8	40·2	
9·9		54·8	41·9	
9·8		58·3	31·5	
9·7		58·6	1·1	
9·8	41	0·3	22·4	
9·8		1·3	50·0	
9·0		3·8	0·9	9·5 a
9·8		5·3	21·5	
9·8		9·3	4·1	
9·9		10·3	5·6	
9·9		14·3	17·9	
9·0		18·8	50·5	
8·7		22·8	10·9	9·5
9·5		23·8	50·2	
9·9		25·8	52·1	
9·8		29·3	2·1	
9·6		32·9	23·2	
9·0		38·9	22·1	
9·8		39·9	57·0	
9·7		40·4	14·1	
9·0		42·9	14·9	9·5
9·1		45·9	39·1	9·0
9·8		50·9	22·0	
9·6		51·9	15·7	
9·9		53·9	54·2	
9·8		56·4	52·1	
9·5		56·4	58·1	
9·4		58·9	28·2	
9·0		59·9	47·4	
9·8	42	2·4	11·0	
9·9		4·4	56·5	
9·5		4·4	49·0	
9·9		5·4	47·3	
	+1	3·0	−3·6	

2881—2940.

mag.	7h. m	s	−24° ′	
9·9	42	5·9	19·8	
9·9		10·4	19·8	
9·9		12·9	19·8	
9·4		12·9	39·0	
9·6		20·4	29·0	
9·8		22·4	58·3	
9·9		24·4	15·7	
9·5		25·4	25·9	
9·8		27·2	50·3	
9·6		28·4	41·1	
9·5		29·4	47·2	
9·5		33·6	57·1	
9·6		35·4	28·0	
9·9		35·7	0·6	
8·7		35·9	6·3	9·2
9·5		40·4	36·4	
9·8		40·9	32·5	
9·8		42·5	50·1	
9·2		45·5	46·1	9·5
9·5		48·5	20·6	
9·7		51·0	40·2	
9·7		52·2	59·7	
9·5		54·7	1·4	
7·8		57·2	16·1	8·0 GSbl
9·9	43	0·0	34·7	
9·6		0·0	19·2	
9·4		0·0	27·5	
9·0		0·5	15·5	10·0
9·7		2·0	42·6	
9·9		2·5	47·0	
9·9		9·5	24·4	
9·9		14·0	54·4	
9·0		15·5	11·2	9·5
9·7		15·5	26·4	
9·0		18·5	51·8	
9·6		18·5	20·1	
9·7		20·5	44·8	
9·5		21·0	10·2	
9·1		32·5	9·0	9·5
9·8		35·5	6·8	
9·5		36·8	57·4	
9·5		37·0	13·9	
8·7		37·5	43·4	
8·4		37·5	39·2	Gbtlπ
9·6		41·0	36·6	
9·6		42·0	36·0	
9·8		45·5	45·1	
7·4		46·5	36·1	GStlβ
9·9		49·0	29·8	
9·2		50·5	12·6	9·0
9·5		51·0	50·0	
9·0		51·9	28·4	
9·4		52·9	34·5	
9·8		55·9	41·5	
9·7		55·9	28·2	
9·6		58·4	15·6	
9·5		58·4	50·8	
9·8	44	0·4	31·1	
6·4		1·9	32·8	GSπβλ
9·2		10·9	25·0	
	+1	3·1	−3·6	

2941—3000.

mag.	7h. m	s	−24° ′	
9·4	44	16·9	18·5	
9·8		28·4	5·3	
9·4		35·4	50·1	
9·8		36·4	42·1	
9·1		39·9	43·3	
9·6		45·9	54·1	
9·8		47·4	45·9	
9·2		53·4	30·6	
9·2		55·4	37·0	
9·6		55·4	15·0	
9·4		55·4	24·9	
9·7		59·4	28·8	
9·6	45	10·7	59·2	
9·5		11·7	58·0	
9·9		12·9	45·6	
9·5		16·6	0·5	
9·7		19·4	17·3	
9·9		19·7	33·6	
9·5		23·4	13·1	
9·9		28·4	48·7	
9·4		28·9	9·0	10·0
9·9		31·9	45·9	
9·5		35·4	54·6	
9·9		35·4	51·6	
9·9		40·8	57·5	
7·5		43·8	12·6	7·0 GSal
9·4		44·8	55·1	
9·9		47·3	4·4	
10·5†		49·1	1·6	
9·9		51·1	2·3	
9·7		54·3	55·4	
9·5		57·3	42·8	
9·8	46	1·8	48·0	
9·0		5·3	43·4	
9·8		5·8	39·5	
9·8		8·3	14·8	
9·0		10·8	17·6	9·5
9·7		14·8	37·9	
9·8		19·8	24·6	
8·8		20·3	31·2	9·0 Ga
9·4		20·3	45·3	
9·9		20·3	50·7	
9·8		20·8	40·1	
9·9		20·8	51·6	
9·9		24·9	30·5	
9·6		25·3	29·3	
9·9		27·8	27·0	
8·4		30·3	53·3	8·5
9·9		32·8	13·9	
9·9		35·3	15·9	
9·0		39·8	48·4	
9·9		40·3	29·1	
9·4		40·8	11·5	9·5
9·5		43·3	27·2	
9·4		47·3	11·0	
9·5		48·3	10·6	
9·7		49·8	54·8	
9·6		53·8	13·9	
9·7	47	0·3	26·0	
9·8		0·3	42·1	
	+1	3·2	−3·7	

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3001—3060.

mag.	7h. m	s	−24° ′	
9·8	47	2·8	16·5	
9·8		9·3	28·5	
8·3		15·3	36·3	9·0 Ga
9·8		15·3	8·6	
9·8		15·8	37·4	
9·6		23·8	49·6	
9·7		25·8	34·1	
9·8		25·8	6·9	
9·8		28·0	59·0	
9·5		30·3	37·7	
9·0		30·8	42·7	10·0 G
8·4		30·8	46·8	9·0 Ga
9·9		31·8	10·4	
9·6		31·8	28·2	
9·9		35·8	27·6	
9·8		38·3	28·3	
9·4		40·8	23·4	
9·8		45·3	39·6	
9·8		49·8	16·1	
9·6		50·3	28·1	
9·5		50·8	53·2	
9·9		50·9	58·3	
9·1		53·8	54·7	9·0 Ga
8·7		55·3	15·8	9·0 a
9·9		59·3	16·8	
9·6	48	5·3	47·7	
9·8		9·8	45·1	
9·4		15·3	9·6	
9·8		15·8	17·0	
9·4		20·3	26·6	
9·9		21·8	10·1	
9·9		25·3	24·4	
9·8		25·3	38·7	
9·6		25·3	32·1	
9·6		25·8	28·1	
9·5		33·8	3·3	
9·4		33·8	22·2	
9·9		35·3	54·2	
9·0		35·3	28·8	
9·9		37·3	53·9	
9·6		38·3	18·1	
9·6		39·8	23·8	
9·6		40·8	46·2	
9·7		43·8	49·7	
9·8		43·8	49·0	
9·9		45·3	36·0	
9·3		46·8	9·0	
9·0		48·3	34·5	
9·7		49·8	7·0	
9·5		50·8	3·5	
9·5		51·8	5·3	
9·8		53·6	2·3	
9·9		55·3	56·1	
[illegible]		55·3	18·7	
[illegible]		59·5	59·1	
[illegible]	49	0·8	39·0	
[illegible]		6·5	2·6	
[illegible]		7·3	37·9	
9·6		8·3	18·3	
9·4		19·3	20·5	
	+ 1	3·2	−3·8	

3061—3120.

mag.	7h. m	s	−24° ′	
9·5	49	19·3	1·0	
9·0		21·8	11·7	
9·0		23·8	43·4	
9·5		23·8	31·0	
9·9		25·3	6·5	
9·6		25·8	22·8	
9·5		25·8	19·3	
9·9		26·3	43·7	
9·8		27·8	9·9	
9·0		28·2	46·8	a
9·8		29·1	2·0	
8·9		29·8	28·5	a
9·8		29·8	35·8	
9·7		30·8	55·3	
9·9		31·8	16·6	
9·6		33·8	49·6	
9·7		34·3	1·2	
9·2		35·3	4·7	
9·4		35·4	0·6	
9·4		40·1	11·5	
9·8		43·1	25·5	
9·6		44·6	14·6	
9·9		44·6	28·3	
9·5		45·1	55·9	
9·8		47·2	57·5	
9·9		51·1	3·2	
9·4		51·1	16·0	
9·7		51·6	2·9	
9·8		51·6	13·8	
9·8		52·6	28·1	
9·9		53·5	32·4	
9·4		53·6	20·6	
9·5		54·6	10·1	
9·5		55·6	54·0	
9·6		56·1	24·0	
9·6		56·1	40·1	
9·0		58·1	10·2	
9·8	50	0·6	43·7	
9·4		1·6	24·1	
9·9		4·5	51·4	
9·8		4·6	48·0	
9·5		8·6	5·6	
9·5		15·1	51·8	
9·9		15·1	17·1	
8·8		24·6	39·4	
8·8		25·9	57·2	Ga
9·4		26·6	43·5	
9·7		29·7	59·3	
9·8		30·1	27·3	
9·6		35·1	46·6	
9·6		36·6	59·5	
9·5		38·6	35·2	
9·6		43·1	18·7	
9·9		43·6	49·4	
9·8		45·6	18·2	
9·9		48·5	35·9	
9·9		50·0	10·1	
9·8		51·5	1·9	
9·9		53·5	10·1	
9·6		54·5	22·0	
	+ 1	3·3	−3·9	

3121—3180.

mag.	7h. m	s	−24° ′	
9·5	50	55·0	22·7	
9·9		58·0	36·7	
9·8	51	0·0	12·0	
9·4		2·5	30·1	9·5
9·9		4·0	33·8	
9·8		10·5	30·9	
9·9		11·5	59·6	
9·8		13·5	54·2	
9·8		14·5	31·4	
9·5		15·0	53·7	
9·9		20·0	17·8	
9·6		24·5	16·2	
9·4		25·0	31·0	9·0
9·1		29·5	48·3	
9·7		29·5	55·5	
9·5		36·0	10·9	
9·8		45·5	41·8	
9·8		46·5	33·2	
9·8		49·0	27·2	
9·8		49·5	16·1	
9·7		52·3	58·2	
9·6		52·5	22·7	
9·5		55·0	3·8	9·0
9·5		55·5	56·9	9·5
9·2	52	0·5	24·4	
9·4		1·5	8·0	
9·6		3·5	48·7	
8·4		7·5	11·2	8·5 Gal
9·9		19·5	15·4	
9·8		22·0	27·1	
9·9		22·5	12·6	
9·4		25·0	22·3	
9·9		30·0	48·9	
9·6		35·0	13·0	
9·8		39·5	53·7	
9·3		40·0	28·3	8·5
9·4		42·0	59·3	
9·8		44·6	59·1	
9·5		45·0	35·0	
9·4		45·5	49·0	
9·0		45·5	25·0	
9·6		52·0	36·1	
9·9		53·1	43·2	
9·2		58·0	43·1	
9·0	53	5·5	35·7	9·5
9·0		9·5	28·3	8·8
9·5		10·5	7·0	
9·9		11·5	21·5	
9·9		14·5	50·9	
9·6		19·0	14·8	
9·9		24·5	42·0	
8·6		24·5	37·8	8·5 G
9·4		24·5	9·9	
9·4		30·0	15·1	
8·8		31·0	27·6	8·8 G
9·9		37·5	18·6	
8·8		49·8	56·4	9·0 a
9·6		52·0	21·1	
9·9		57·5	58·5	
9·8	54	1·0	10·2	
	+ 1	3·4	−4·0	

3181—3240.

mag.	7h. m	s	−24° ′	
9·8	54	2·0	34·8	
9·7		6·0	8·4	
9·4		6·5	27·9	
9·8		10·8	57·1	
9·1		12·5	28·0	9·8
9·6		14·0	48·7	
9·9		16·5	45·1	
9·6		17·5	58·5	
9·5		19·5	27·1	
9·8		21·0	34·6	
8·9		21·5	15·9	9·5
9·8		23·0	13·8	
9·0		27·5	19·4	
9·9		27·5	43·2	
9·8		29·2	0·6	
9·7		29·5	47·4	
9·9		33·3	58·1	
9·7		34·5	28·1	
9·8		35·5	6·0	
9·7		40·0	56·3	
9·9		46·5	50·3	
9·6		55·0	6·0	
9·9		55·0	29·1	
9·9		55·5	20·1	
9·7		59·0	19·1	
9·8	55	17·5	44·5	
9·8		22·0	42·2	
9·4		23·5	47·2	
9·6		25·5	6·2	
9·8		35·3	10·0	
9·7		35·5	14·7	
9·8		46·3	22·2	
9·6		47·3	41·2	9·5
9·6		49·3	29·2	
9·5		56·3	7·1	
9·6		58·3	54·7	
9·6	56	4·3	16·0	
7·8		5·3	36·5	8·2 Gal
9·9		14·3	6·7	
9·3		19·3	22·2	
9·4		19·8	50·5	
9·6		24·3	45·2	
9·6		27·3	56·1	
9·4		29·3	16·2	
9·6		29·3	41·2	
9·6		30·3	51·7	
9·9		30·3	30·0	
9·1		31·3	48·2	9·0
9·7		34·3	53·4	
9·5		36·3	48·3	
9·8		39·3	57·4	
9·9		40·2	1·2	
9·6		53·8	21·5	
9·1		54·3	53·0	
9·8		55·8	35·4	
9·9		57·8	39·1	
9·5	57	4·0	0·9	
9·8		4·3	11·3	
9·9		4·3	10·3	
9·5		4·8	34·7	
	+ 1	3·5	−4·1	

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3241—3300.

mag.	7h. m	s	—24° ′	
9·9	57	4·8	46·2	
9·9		9·3	48·3	
9·9		11·3	6·9	
9·5		13·3	53·0	
9·3		14·0	18·0	a
9·1		14·5	26·2	
9·7		17·5	1·2	
9·6		17·5	3·4	
8·2		18·0	41·2	8·0 Gal
9·6		24·5	36·2	
9·7		29·5	49·2	9·5
9·5		36·0	46·2	
9·4		39·0	24·4	
9·0		39·0	48·9	9·5 a
9·5		39·5	39·0	
9·7		45·5	49·0	
9·7		45·5	40·2	
9·9		49·0	10·5	
9·6		49·5	6·0	10·0
9·9		50·0	31·9	
9·0		51·0	33·5	9·0 a
8·6		51·5	15·2	8·0 GWal
9·5		52·5	2·4	
9·5		52·5	10·8	
9·9		54·5	57·2	
9·8		59·5	11·1	
9·5	58	0·5	29·0	
9·5		2·5	3·2	
9·5		4·5	28·6	
9·9		5·5	46·2	
9·5		6·5	3·8	
9·9		7·0	54·6	
9·5		9·5	20·9	
9·8		15·0	56·8	
9·0		18·5	4·6	10·0
9·9		20·3	41·1	
9·4		24·0	33·4	
9·5		29·5	58·8	
9·9		30·0	1·1	
9·8		34·5	22·2	
9·0		35·0	21·5	
9·2		42·0	7·6	
9·6		44·0	37·2	
9·6		49·0	43·2	
9·0		50·0	18·2	
9·5		50·0	17·0	
9·5	59	4·5	43·2	
9·4		14·0	4·9	9·5
9·7		14·0	12·3	
9·6		14·5	36·6	
9·7		15·5	18·0	
8·4		19·5	0·8	8·2 Gal
9·8		23·0	12·3	
8·7		24·5	10·9	9·0
9·9		25·0	10·2	
9·8		29·5	44·3	
9·6		32·0	43·9	
9·0		34·5	56·6	
9·6		35·0	25·8	
9·8		45·0	22·1	
25pr.	+ 1	3·5	— 4·1	

3301—3360.

mag.	7h.–8h. m	s	—24° ′	
9·6	59	47·0	25·5	
9·8		54·5	59·0	
9·3	0	0·0	48·2	9·0 a
9·5		0·0	28·9	
9·8		4·5	46·2	
9·2		7·0	23·6	
9·8		9·0	56·2	
9·5		11·5	17·1	
9·8		14·0	50·1	
9·0		15·5	52·1	8·0 Ga
9·8		18·0	25·0	
9·8		21·0	55·0	
9·9		30·5	23·2	
9·6		33·5	8·1	
9·8		38·5	53·1	
9·9		39·3	56·9	
9·8		42·5	23·0	
9·8		43·0	51·8	
9·7		47·5	5·7	
9·5		49·1	43·1	
9·9		54·5	59·5	
9·9		55·5	50·8	
9·9		59·1	28·0	
9·8	1	1·1	16·3	
9·9		2·0	46·7	
9·0		8·0	9·9	9·5 a
9·9		9·5	8·7	
9·5		11·0	26·1	
8·7		12·0	45·6	8·0 Ga
9·5		13·0	21·9	
9·0		13·5	29·1	
9·8		21·5	6·1	
9·8		24·0	1·7	
9·2		26·9	19·1	
9·6		29·5	23·3	
9·4		44·5	16·9	
9·8		56·0	2·1	
9·8		59·5	33·8	
9·0	2	0·5	43·6	
9·8		4·5	42·7	
9·6		8·1	31·1	
9·9		9·3	37·5	
9·4		10·0	45·7	
9·1		10·5	18·1	a
9·5		13·0	21·7	
9·2		30·0	9·7	8·8 Ga
9·6		30·0	58·9	
8·8		41·3	24·6	9·5
9·7		41·3	17·1	
9·0		41·8	13·4	
10·2		42·6	48·9	
9·9		45·3	39·6	
9·7		46·3	34·2	
10·2		49·3	31·6	
10·2		50·3	54·2	
9·5		51·3	38·6	
10·2		53·3	27·2	
10·2		53·3	19·1	
9·8		53·8	15·2	
10·2		56·9	57·2	
	+ 1	3·6	— 4·2	

3361—3420.

mag.	8h. m	s	—24° ′	
10·0	3	13·6	55·0	
9·4		14·9	59·2	10·0
9·6		15·3	55·0	
9·9		20·3	43·4	
9·8		20·3	6·2	
8·6		20·8	1·4	8·5 GWa
10·0		21·3	43·6	
8·7		26·3	10·2	9·0 a
9·0		27·8	22·1	
10·1		29·8	36·9	
9·7		32·3	10·9	9·5
9·8		35·8	27·0	
10·1		36·8	27·2	
10·1		40·3	6·8	
9·8		42·3	18·5	
10·2		51·0	58·6	
9·2		56·3	46·4	
10·2		57·7	50·0	
10·0	4	7·7	23·1	
10·2		12·2	9·5	
10·2		14·7	7·1	
8·2		17·7	14·5	8·2 Ga
9·5		19·2	38·1	
10·0		24·2	16·8	
9·8		30·2	27·1	
9·3		31·7	27·2	
8·5		32·2	9·2	8·5 Ga
9·7		39·7	30·5	
9·9		40·2	1·5	
9·8		42·4	58·2	
9·7		45·2	48·9	
10·2		45·7	24·1	
10·1		49·2	34·6	
10·1		50·2	5·1	
10·0		58·2	9·0	
10·2	5	0·7	11·8	
9·0		1·7	43·0	9·5
10·2		3·2	32·3	
10·0		9·7	22·2	
10·0		9·7	32·1	
9·7		15·2	55·8	
9·9		22·7	18·6	
10·2		23·2	3·5	
10·1		24·2	41·6	
10·1		25·2	23·0	
10·1		30·2	1·1	
10·1		30·7	2·2	
9·5		34·7	12·0	
9·7		36·2	46·2	
10·2		42·2	7·0	
9·8		48·7	13·0	
10·2		54·7	13·8	
9·5		59·2	49·6	10·0
10·0	6	0·2	48·0	
10·1		2·2	14·4	
10·0		5·7	5·0	
9·7		9·7	2·7	
9·7		10·2	14·4	
9·8		11·1	10·1	
9·7		11·1	7·4	
	+ 1	3·8	— 4·3	

3421—3480.

mag.	8h. m	s	—24° ′	
10·2	6	14·6	42·6	
9·2		14·6	20·9	
10·1		24·6	4·7	
10·0		25·1	16·7	
10·0		25·1	22·2	10·0
9·2		27·9	57·5	
10·1		30·1	24·1	
10·1		30·6	8·0	
10·1		33·1	26·3	
8·9		36·6	13·7	9·5
10·2		40·6	21·6	
9·7		47·1	34·9	
9·7		49·6	8·1	
10·0		59·6	13·0	
10·2	7	0·1	2·6	
10·2		8·1	51·1	
9·7		14·1	49·1	
9·3		20·1	7·0	9·0 Ga
10·2		20·6	21·1	
10·1		25·1	49·0	
10·2		26·1	42·8	
9·9		31·1	43·5	
10·2		33·6	51·2	
10·1		41·6	35·5	
9·7		46·6	1·5	
9·3		50·1	39·9	
9·8		50·6	36·9	
9·7		50·6	6·7	
10·0		52·1	1·4	
10·0		52·6	19·6	
10·2		52·6	23·2	
10·1		54·1	45·6	
9·2	8	4·1	31·1	9·0
10·0		5·1	25·9	
8·8		11·6	22·9	9·5 a
9·6		14·6	22·7	
9·8		19·5	11·0	
10·2		25·0	42·4	
10·1		28·0	48·3	
10·0		29·5	33·7	
9·8		30·0	3·8	
9·8		32·5	28·5	
10·2		51·0	58·0	
8·3		54·5	33·3	8·0 Ga
9·7		54·5	37·9	
10·2	9	2·0	52·8	
10·2		5·0	23·3	
10·2		6·5	52·3	
9·7		14·5	24·4	
10·1		23·0	15·3	
10·2		29·5	7·3	
10·2		32·5	58·5	
9·3		33·0	17·4	
9·7		41·5	51·1	
10·1		46·0	21·9	
10·2		50·0	34·8	
10·1		58·0	5·4	
9·4	10	0·0	17·7	
10·2		0·0	12·2	
8·9		0·5	35·7	9·0 a
	+ 1	3·9	— 4·4	

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3481—3540.

mag.	8h. m	s	−24° ′	
10·2	10	1·5	4·1	
10·0		5·0	30·2	
9·9		8·0	15·9	
9·8		11·0	29·6	
10·2		13·0	47·5	
9·6		18·0	50·1	
9·7		25·5	39·6	
9·6		27·0	27·8	
10·2		30·0	40·6	
10·1		36·4	33·9	
8·8		44·4	51·1	8·2 GWa
9·2		44·9	48·7	9·0 Ga
10·1		44·9	38·5	
10·1		49·9	21·3	
9·8		55·4	9·1	
10·2		59·9	6·9	
10·2	11	0·4	52·2	
9·5		0·4	8·8	
9·7		1·9	23·1	
10·2		6·4	52·7	
8·9		7·4	34·0	9·5 a
9·1		13·4	32·1	
9·2		13·4	51·1	
9·8		17·7	2·7	
9·8		23·4	11·1	
9·7		23·9	31·2	
9·5		29·5	57·2	9·8
10·1		29·9	31·1	
9·5		30·4	20·2	
9·1		34·4	48·1	a
9·0		36·9	0·9	
10·0		39·4	26·3	
8·6		40·4	57·5	9·5 a
9·3		49·4	27·0	
9·7		54·4	58·1	
10·2		56·4	29·3	
10·2		59·4	51·1	
9·5	12	2·9	56·1	
9·7		6·9	46·7	
9·3		6·9	28·9	
10·0		10·4	43·7	
9·8		11·9	56·3	
9·8		12·9	17·9	
9·8		14·4	36·9	Ga
10·2		21·4	31·3	
9·2		24·4	59·1	8·8 Wa
[illegible]		25·4	2·7	9·0 –
9·2		26·2	38·6	
9·0		27·4	55·9	9·0 Wa
10·1		30·8	58·7	
8·6		35·2	58·5	8·2 GWa
9·0		37·7	44·9	a
10·2		40·2	55·6	
10·2		41·7	56·5	
10·1		42·7	50·3	
10·2		49·7	42·0	
10·2		59·7	25·0	
8·0	13	1·7	13·7	
9·7		1·7	41·9	8·5 G
10·2		8·2	7·8	
	+ 1	4·1	−4·6	

3541—3600.

mag.	8h. m	s	−24° ′	
10·1	13	9·7	8·4	
9·9		14·7	13·7	
9·7		14·7	22·9	
9·7		15·7	16·1	
10·1		18·2	43·1	
9·6		19·4	57·5	
9·3		24·2	24·0	
10·1		32·2	19·4	
10·1		39·7	20·9	
9·6		43·2	24·1	
10·1		50·2	48·0	
9·9		56·7	20·3	
9·6	14	0·2	50·8	a
9·1		2·2	16·1	10·0
10·2		4·5	0·3	
9·0		5·2	18·8	9·5
9·9		10·2	18·7	
9·1		13·7	32·8	
10·2		19·2	24·4	
10·2		20·2	56·2	
9·5		26·2	54·4	
10·0		40·8	8·6	
8·5		47·7	3·6	–
10·1		49·4	40·9	
8·4		57·4	2·4	
10·0		58·9	19·5	
10·2	15	0·9	15·5	
10·0		4·4	6·1	
9·9		7·4	51·0	
9·8		8·9	53·5	
9·5		10·4	47·4	
10·1		13·9	19·5	
10·2		18·9	39·9	
9·7		27·4	57·3	
8·4		28·9	44·3	8·0 a
9·8		34·4	10·5	
10·4†		34·9	2·1	
10·4†		36·9	1·3	
10·1		39·4	17·7	
9·7		52·4	50·1	
9·9		53·9	51·5	
10·0		59·4	11·0	
9·8		59·9	25·3	
10·0	16	0·9	15·9	
9·7		9·9	19·1	
9·6		9·9	49·4	9·5 a
9·1		13·9	7·7	
10·1		15·9	25·5	
9·4		16·9	23·7	
10·2		24·9	2·6	
9·5		28·9	4·7	
10·2		39·4	44·9	
10·2		49·4	17·5	
9·7		52·9	40·2	
8·4	17	5·4	22·9	9·0 a
8·6		8·9	59·8	9·0 Ga
10·0		9·9	44·7	
9·3		25·4	9·3	
9·2		28·2	0·3	9·5
10·1		29·4	15·1	
	+ 1	4·2	−4·6	

3601—3660.

mag.	8h. m	s	−24° ′	
9·6	17	31·4	6·9	
9·9		39·4	29·8	
10·2		44·9	38·8	
9·2		47·4	39·5	
8·7		47·4	1·7	9·2 –
9·5		49·4	38·2	
9·8		49·4	39·3	
10·2		52·4	16·0	
10·2		54·4	5·1	
9·5		55·4	6·0	
10·1		55·9	40·1	
10·2	18	0·4	32·1	
9·7		1·4	38·0	
10·2		5·9	11·2	
9·0		8·9	20·0	9·5 a
10·2		8·9	31·9	
8·8		9·4	17·5	9·5 a
10·0		13·4	17·0	
9·6		16·9	4·0	
9·8		17·9	21·6	
9·7		24·4	41·5	
9·1		24·9	19·4	9·5
10·2		31·0	27·1	
10·0		31·4	49·8	
9·7		32·6	2·0	
10·2		36·9	36·1	
9·3		41·4	36·7	
10·0		56·6	58·9	
10·0		56·9	36·9	
10·2	19	6·4	55·2	
9·9		7·9	41·2	
9·7		9·4	56·1	
9·9		13·9	50·2	
10·0		19·4	9·4	
10·0		23·4	9·1	
7·8		39·4	8·1	
10·2		51·0	33·6	
10·4†		55·3	2·3	
9·3		59·4	33·2	9·0
10·2	20	2·9	0·6	
10·2		5·4	26·2	
10·2		8·9	26·7	
9·8		18·9	24·1	
9·8		24·4	27·5	
10·0		26·9	37·6	
10·2		26·9	14·5	
9·9		34·3	16·3	9·5
9·7		36·8	29·7	
10·2		45·3	49·6	
9·3		50·6	57·9	
9·9		54·3	5·7	
10·1		59·8	25·4	
9·8	21	1·3	40·0	
9·6		2·5	59·0	
9·9		14·3	4·3	
10·2		19·3	42·1	
9·8		19·3	39·2	
9·7		24·3	8·5	
9·9		26·8	56·1	
9·6		29·3	19·4	
	+ 1	4·3	−4·8	

3661—3720.

mag.	8h. m	s	−24° ′	
9·6	21	32·3	20·6	
9·7		33·3	53·8	
9·7		35·3	1·4	
10·1		42·8	6·2	
10·1		48·8	46·7	
9·8		49·1	2·3	
10·2		49·3	22·5	
10·0		59·3	49·2	
10·1	22	5·8	29·4	
9·0		10·8	56·2	
9·1		11·6	0·7	
8·4		11·8	40·2	8·5 G
9·6		23·8	33·0	10·0
10·1		23·8	17·0	
8·3		24·3	28·7	8·0 GSat
10·2		24·8	16·4	
10·2		29·8	4·0	
9·8		32·3	33·3	
9·3		33·3	13·1	
9·7		34·8	3·9	
10·1		35·3	13·8	
9·7		37·3	32·7	
10·1		38·7	30·1	
8·8		39·7	3·2	9·5
10·0		41·2	55·6	
9·6		46·2	11·8	
9·7		47·2	5·5	
9·1		48·7	47·7	
10·2		48·7	3·1	
9·5		56·7	42·4	
9·7	23	19·4	20·9	
10·0		20·2	57·0	
10·1		29·2	25·6	
9·8		47·2	55·3	
9·9		49·0	23·6	
10·0		52·7	30·9	
10·1		53·2	37·9	
10·0		57·7	44·2	
10·0	24	4·2	43·8	
10·2		12·7	29·1	
10·0		13·2	3·1	
9·0		22·2	29·7	8·5 G
10·1		29·4	34·8	
9·9		29·7	26·9	10·0
10·1		29·7	13·9	
9·1		40·7	28·0	9·c
10·1		44·2	7·6	
10·2		53·6	1·4	
8·6		54·2	0·3	8·5 a
10·2		59·7	7·9	
8·8	25	0·2	45·2	a
9·0		3·7	54·0	a
9·4		11·7	4·3	9·5
10·0		14·7	21·9	
9·9		20·6	27·0	
8·4		22·2	55·1	9·0 a
9·3		42·2	34·6	
10·0		42·7	2·8	
9·4		45·5	38·0	
9·3		48·0	53·4	
	+ 1	4·4	−4·9	

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3721—3780.

mag.	8h. m	s	—24° ′	
9·6	26	9·5	22·0	a
9·4		15·5	44·5	
9·9		31·5	18·8	
10·0		32·0	2·5	
9·3		35·5	25·3	
8·5		50·5	20·0	Ga
9·4		50·5	16·0	
9·3		54·0	16·7	
9·2	27	0·5	39·4	
8·9		1·0	7·9	a
10·0		3·0	36·0	
10·0		3·0	56·9	
9·9		15·2	56·3	
10·0†		38·3	0·2	
9·6		38·7	10·0	
7·5		40·2	10·9	6·5 GSa
9·7		45·2	13·5	
9·3	28	5·2	10·7	
9·9		10·2	16·0	
10·0		13·2	27·2	
9·9		20·2	26·4	
9·7		30·2	33·8	
7·4		39·2	40·3	7·0 GSb
9·0		43·2	23·8	
10·0		51·1	1·0	
9·9		54·7	54·8	
9·4	29	2·2	52·8	
9·0		3·7	35·8	10·0
9·4		25·7	7·6	
9·4		27·2	40·9	
10·0		43·7	49·6	
10·0		48·4	59·0	
10·2†	30	1·7	0·4	
10·4†		2·7	2·7	
8·2		4·2	40·7	8·0 GW
9·8		10·2	9·0	
9·7		12·7	22·1	
10·0†		19·7	0·4	
10·0		34·2	8·2	
9·1		40·2	25·8	9·0
10·0		53·1	25·6	
9·3	31	7·3	58·1	
9·9		8·1	35·3	
10·0		12·1	26·7	
9·9		14·1	54·6	
10·2†		18·9	0·1	
10·0		25·1	56·8	
9·4		34·6	53·5	
9·9		39·1	45·5	
10·0	32	5·1	10·8	
10·0		15·1	3·2	
9·4		25·1	41·8	
9·7		41·1	39·8	
10·0		41·1	34·2	
8·9		46·1	33·7	9·5 a
8·7		50·1	12·2	9·5 Ga
10·0		54·9	33·2	
9·0	33	0·9	35·1	9·5 a
8·8		9·9	36·1	9·5 a
9·2		14·9	38·0	
25pr.	+1	4·7	—5·1	

3781—3840.

mag.	8h. m	s	—24° ′	
8·4	33	34·9	39·1	9·0 Ga
9·6		49·9	55·3	
8·5	34	14·9	8·0	8·2 G=
9·6		25·4	28·0	
8·0		28·4	17·6	8·5
9·6		29·9	54·6	
10·0		30·9	19·9	
9·4		33·9	52·2	
9·9		49·9	44·8	
9·9	35	0·9	4·8	
9·4		4·9	22·8	a
9·9		10·9	14·1	
9·3		21·6	33·1	
10·2†		22·0	0·2	
10·0		23·6	3·5	
9·4		24·6	13·1	
9·1		24·6	54·6	
8·2		28·1	10·4	8·0 Ga
9·4		29·1	56·0	
9·3		34·6	25·6	
9·3		44·6	6·8	
8·8		44·6	32·2	
9·4	36	3·8	2·9	
9·6		4·6	23·0	
9·9		37·1	33·2	
9·3		43·8	0·0	
10·0		44·6	56·4	
10·2†	37	0·0	0·5	
9·3		2·6	46·1	
10·0		4·0	3·0	
9·6		14·6	7·5	
9·7		41·1	22·4	
9·2	38	8·1	8·1	10·0
8·5		9·1	4·8	9·0 a
8·9		12·1	51·2	9·5 a
8·9		14·6	38·4	
8·4		16·1	15·5	9·0 a
9·8		16·1	20·0	
8·8		47·8	30·8	9·5
9·3		53·1	1·9	
9·9		54·8	30·8	
9·2	39	9·3	42·2	
9·9		19·3	41·0	
9·3		49·3	40·5	
9·2		50·3	5·0	
9·9	40	5·8	23·7	
9·7		7·8	15·5	
10·4†		8·0	0·2	
8·6		8·3	26·5	9·0 a
6·5		24·8	56·2	6·5 GSb
10·0		29·3	31·4	
9·0		42·8	13·3	8·5 a
9·4		54·1	19·5	
8·9		55·8	55·7	9·5
9·4	41	4·3	11·2	
9·8		16·3	56·5	
9·1		18·9	16·3	
9·6		21·9	46·1	
8·8	42	57·9	7·8	
9·3	43	5·4	20·3	
	+1	5·0	—5·3	

3841—3900.

mag.	8h. m	s	—24° ′	
9·1	43	17·9	59·1	8·2 G
9·6†		22·0	0·5	
10·0		30·9	14·9	
9·2		41·9	13·6	9·5
10·4†		45·0	0·5	
9·4		46·9	5·7	
9·4	44	1·4	3·7	
9·4		1·9	19·3	9·0
8·5		29·9	7·0	8·5 GWa
9·4	45	13·9	9·7	9·5
10·0		20·9	21·4	
10·0		30·4	37·5	
10·0		32·7	32·2	
9·4		38·7	53·4	9·5 Ga
9·4		41·7	54·3	9·5 Ga
9·4		45·6	2·2	
8·8	46	11·2	16·8	9·0 a
9·9		55·5	46·9	
10·2	47	3·4	10·0	
9·9		4·6	17·0	9·5 a
7·8		8·3	58·4	8·0 Ga
10·2		12·9	45·1	
10·2		16·9	25·9	
8·5		52·9	46·5	9·0 Ga
10·2		54·4	51·2	
9·5	48	5·9	7·9	9·2 a
10·2		8·9	37·3	
9·8		13·4	55·1	G
10·0		20·9	48·4	
10·0		20·9	15·7	9·5 a
8·4		22·9	36·7	8·5 Ga
10·2		32·4	10·6	
9·8		33·4	25·6	
10·2		37·9	39·2	
10·2		42·9	47·1	
10·0		42·9	23·1	
10·0		47·4	39·8	
10·2		56·9	47·0	
10·0	49	11·4	15·5	
9·4		15·9	53·2	
9·8		32·4	6·6	
10·0		51·0	32·0	
9·9	50	1·5	56·4	
9·8		6·0	8·9	
9·9		14·5	4·2	
9·8		19·5	8·1	
8·4		21·0	56·2	9·0 a
10·2		21·0	14·1	
10·2		34·5	6·7	
9·8		35·5	57·8	
9·5		35·5	15·0	9·0 a
9·9		44·1	12·0	
8·1		57·8	59·4	9·0 a
10·2	51	0·1	4·5	
9·4		2·1	23·8	9·5
10·2		5·1	12·7	
10·0		37·6	32·0	
9·8		40·6	10·6	
10·2		45·1	18·8	
9·9		48·1	13·8	
	+1	5·5	—5·6	

3901—3960.

mag.	8h. m	s	—24° ′	
10·2	52	0·6	17·2	
7·4		11·1	21·4	7·5 Ga
9·9		15·6	24·7	
10·2		21·6	45·8	
10·2		26·1	42·6	
10·2		47·1	50·7	
9·4		51·1	11·8	
10·0		52·6	12·4	
10·0		56·1	31·2	
9·5		59·8	1·2	9·0
9·5	53	3·1	10·8	Ga
10·0		9·6	6·2	
10·2		15·1	27·0	
10·2		28·6	14·5	
9·8		36·6	43·5	
9·6		39·6	14·0	
8·0		50·1	14·4	8·5 Ga
10·2	54	6·1	45·2	
10·0		25·6	9·0	
10·0		43·8	57·4	
9·9		44·6	4·5	
9·8		46·5	36·0	
8·0		48·0	40·8	
10·2		51·5	55·0	
9·2		52·0	10·3	9·5 Ga
10·2		53·0	59·5	
10·2	55	4·5	0·1	
10·2		18·0	23·1	
10·2		27·0	23·0	
7·9		29·5	28·9	7·5 Ga
9·8		31·0	40·9	G
9·7		32·0	10·1	
10·2		35·5	48·0	
10·0		37·5	7·3	
9·9		50·5	51·1	
10·2		53·0	18·4	
10·2	56	5·5	22·8	
10·0		9·3	3·1	
10·2		12·0	32·7	
9·3		12·0	2·8	
8·0		15·5	56·6	7·5 GSa
10·2		18·0	40·2	
9·0		44·0	55·1	8·8 Ga
10·2		56·0	42·9	
10·0	57	2·5	47·5	
10·2		10·0	25·9	
10·0		10·5	30·2	
10·2		38·0	52·7	
10·0		56·5	19·2	
9·5		58·0	32·0	9·0
10·0	58	1·5	34·1	
9·2		3·6	44·4	
10·0		21·1	5·4	
10·0		28·6	54·8	
9·9		34·1	52·0	
10·2	59	2·4	59·9	
10·2		6·1	15·8	
9·2		31·1	3·6	
9·9		33·6	42·2	
10·2		36·1	6·2	
	+1	5·8	—5·8	

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3961—4020.

mag.	9ʰ m	s	—24° ′	
10·2	0	20·1	4·9	
9·3		22·1	15·8	
10·2		31·1	24·1	
8·6		31·6	36·5	9·0 b
9·7		39·6	19·9	
9·9		45·6	0·6	
10·2		50·1	33·0	
8·0		52·1	53·8	9·0
9·4	1	1·1	15·2	
10·2		11·1	56·2	
10·0		11·1	48·6	
10·2		16·1	37·8	
9·9		22·1	10·0	
10·2		32·1	44·2	
10·2		37·6	42·4	
10·2		46·1	36·8	
8·8		47·1	39·0	9·0
9·7	2	0·1	59·6	
10·2		0·1	5·0	
10·0		0·1	2·2	
9·8		0·6	18·0	
9·4		2·1	26·7	9·5
10·0		5·1	3·6	
10·0		8·6	42·4	
10·2		11·1	45·6	
10·2		13·6	27·2	
9·8		19·1	34·4	
10·2		21·6	5·8	
10·2		21·6	29·6	
9·0		26·1	43·0	
9·2		31·6	27·4	9·5
10·2		39·6	6·0	
9·6		39·6	5·0	
10·0		41·9	57·9	
10·2		44·6	44·6	
9·1		49·1	53·8	a
10·2		49·1	6·5	
9·8	3	3·6	39·0	
9·0		16·6	51·0	9·5 a
10·0		23·1	6·5	
10·0		26·6	46·2	
9·0		38·1	20·2	Ga
9·7		45·1	44·0	
10·2		46·6	10·3	
10·2		47·6	48·0	
10·2		50·6	13·8	
9·8		50·6	23·0	
10·2		54·6	34·0	
9·6		59·1	37·6	
10·2	4	3·1	42·2	9·5 a
9·8		12·1	21·8	
10·2		12·6	20·8	
10·2		23·4	30·7	
10·2		29·6	19·9	
9·9		40·1	33·3	
10·2		43·6	32·7	
10·2		49·2	0·7	
10·0		53·1	40·8	
[illegible]		54·6	20·2	
[illegible]		59·1	30·4	
	+1	6·1	—6·0	

4021—4080.

mag.	9ʰ m	s	—24° ′	
10·0	5	11·4	42·1	
9·6		11·9	16·6	9·5
10·2		21·9	4·9	
10·2		27·4	52·0	
10·2		37·4	9·9	
9·7		39·2	0·9	
9·8		53·4	12·2	
10·2	6	1·4	18·4	
10·2		5·9	44·8	
10·2		8·4	28·7	
9·3		14·4	12·9	
9·7		16·4	27·4	
10·2		17·4	20·5	
9·7		24·4	46·8	
10·2		27·9	36·8	
10·2		27·9	41·9	
9·9		33·6	14·2	
9·9		51·6	3·3	
10·2		56·9	41·8	
9·5	7	8·4	53·3	
10·2		13·4	25·9	
9·8		13·4	43·3	
10·2		14·4	57·8	
9·4		15·4	33·1	9·0
10·2		19·4	31·7	
10·2		28·9	22·8	
9·9		35·4	34·4	
8·3		48·4	6·8	7·8 Ga
8·3		55·9	20·3	Ga
9·4		59·4	21·8	a
9·8	8	11·4	6·7	
7·9		14·4	23·3	8·5 Ga
10·2		22·1	57·2	
10·0		26·9	17·3	
10·2		29·6	8·5	
10·0		38·4	39·4	
9·2		38·6	25·3	9·5
10·0		49·9	41·0	
9·5		51·2	8·5	
9·7		58·5	43·5	
10·0	9	18·2	39·1	
10·2		20·2	43·3	
9·8		23·2	37·0	
9·8		31·2	29·3	
9·8		44·2	25·5	
8·9		45·3	0·7	9·5
10·2		59·7	36·0	
9·8	10	1·0	53·9	
10·0		2·7	44·0	
9·9		12·1	3·9	
10·0		25·8	45·0	
10·0		31·8	34·1	
8·8		56·3	46·9	8·5 Ga
10·4†		56·9	1·7	
9·8	11	17·3	37·8	
9·2	12	10·3	50·6	9·0 Ga
10·0		12·3	33·7	
10·0		19·8	54·3	9·5 a
10·0	13	29·3	24·4	
9·8	14	20·3	13·8	
	+1	6·4	—6·1	

4081—4140.

mag.	9ʰ m	s	—24° ′	
8·2	14	30·3	43·2	8·5
10·0		55·3	23·2	
10·0	15	11·8	6·0	
10·0		41·8	43·2	
7·7		50·3	16·8	8·0 G
10·4†		54·4	0·6	
10·2†		58·9	2·0	
10·0	16	0·3	13·4	
9·2		30·3	48·8	a
10·0	17	13·3	38·7	
10·0		20·5	2·6	
10·0		25·6	27·4	
10·0	18	10·1	58·9	
9·2		14·6	17·4	
9·0		20·1	5·5	8·5
8·5		55·1	52·7	8·5 Ga
9·8	19	7·1	17·9	
10·0		11·1	29·2	
10·8†		12·3	0·6	
9·2		40·1	6·3	
9·2		49·1	49·0	
10·0		50·1	30·8	
7·0	20	2·6	47·8	7·0 GSa
9·6		20·1	15·4	
10·4†		28·3	0·8	
10·0		32·1	44·5	
8·2		44·7	33·8	8·5 Ga
9·8	21	19·7	56·6	
9·4		43·7	42·6	
9·2		53·2	52·4	9·0 —
10·0	22	44·7	53·1	
9·8	23	2·7	56·4	
7·2		4·2	53·2	7·5 GSb–
10·6†		10·3	0·0	
10·0†		16·8	2·7	
9·2		23·2	28·9	8·5 Ga
10·0		32·2	13·4	
10·0		48·8	1·3	
8·0	24	10·2	59·0	7·5 GSa
9·8		14·7	7·2	
9·8		19·6	11·9	
9·6		23·2	57·6	
8·5		41·2	28·4	8·5 a
9·6		44·7	57·9	
9·8		48·7	28·4	
10·0	25	10·6	7·2	
8·6		28·7	33·9	8·5
7·8		29·7	17·4	8·2
10·0	27	27·6	36·3	
9·6		59·1	2·5	
9·6	28	22·6	14·7	9·5
10·0		32·6	42·1	
8·2	29	3·1	35·5	8·5 Ga
9·4		4·6	46·4	b
10·0		20·1	35·0	
10·0		27·1	47·1	
9·2	30	4·6	47·4	a
9·6		9·6	26·6	
8·6		9·6	17·8	a
9·6		39·4	1·7	
	+1	7·1	—6·4	

4141—4200.

mag.	9ʰ m	s	—24° ′	
7·2	30	55·6	8·8	7·0 GSa
10·0	31	18·6	11·8	
10·0		19·8	44·8	
6·6		23·4	44·3	6·5 GSa
8·4		25·6	39·3	9·0 a
9·4		26·6	20·9	a
9·5		48·7	31·1	
10·0	32	5·3	45·2	
9·8		37·3	49·8	
9·4		40·3	11·7	
10·0		47·3	25·1	
8·9	33	12·3	26·1	a
9·2		15·7	0·0	
9·8		32·8	33·3	
8·6	34	11·3	6·6	a
10·0		19·3	30·0	
10·0		22·8	46·1	
10·0		25·3	30·8	
9·2		27·3	26·1	9·0
9·5		30·3	27·8	
10·0		37·3	44·5	
10·0		44·3	27·4	
10·0	35	0·3	44·4	
10·0		9·3	51·4	
10·0		15·3	24·0	
10·0		18·6	58·7	
9·8		25·3	11·8	
9·6		25·3	38·1	
9·4	36	0·0	0·0	
10·0		10·4	59·1	
9·0		25·3	9·8	
10·0		55·3	49·6	
9·0	37	15·3	14·1	
9·5		20·3	5·9	
9·7		36·8	11·8	
10·0		38·3	22·5	
9·7	38	2·3	19·8	
10·0		30·3	30·1	
8·4		32·3	24·5	8·5 a
9·8	39	17·8	51·9	
8·6		24·3	28·4	a
9·5		41·3	1·3	
9·8		59·8	37·9	
8·9	40	8·8	53·0	
9·4		16·8	48·2	
10·0	41	13·0	58·7	
8·5		20·0	6·4	
9·0		26·5	40·2	9·0 W
10·0		45·2	0·8	
8·8		46·0	48·3	9·5 a
8·6		53·0	43·4	8·5 Ga
9·0		57·0	46·4	9·5
8·9	42	20·0	51·2	
7·8		36·5	37·7	8·0 GWa
9·0		40·0	8·0	9·0
8·5		52·0	57·7	8·5 Ga
8·9	43	29·5	46·5	
8·6		30·0	38·7	8·5 –
8·2		31·5	3·9	8·0 G
10·0		47·5	31·5	
	+1	7·9	—6·8	

4201—4260.

mag.	9h. m	s	−24° ′	
9·0	43	57·5	25·3	
9·3		59·5	0·9	
9·6	44	4·0	1·1	
10·0		12·0	30·0	
9·2		14·8	0·5	
10·0		19·9	37·6	
8·4		37·0	10·2	a
9·8		38·0	14·0	
8·8		41·5	2·7	9·5
9·8		53·0	38·1	
9·8		56·0	45·6	
10·0		58·5	40·3	
10·0	45	33·0	36·1	
9·4	46	15·0	2·4	
9·7		40·0	43·8	
10·0		45·0	55·9	
10·0	47	37·5	43·0	
9·8	48	22·0	18·4	
9·4		24·7	59·0	9·5
8·6		25·0	52·9	8·5 G≡
9·5		40·0	8·6	
10·0		41·5	33·4	
10·0		55·0	27·8	
9·2	49	0·0	5·1	
9·0		7·0	20·5	
9·4		21·5	32·5	
9·4		22·0	46·6	
10·0		25·0	37·2	
10·0		28·7	59·6	
8·6		50·0	56·3	9·5 −
9·4		52·0	7·8	
10·0	50	3·5	51·1	
9·5		22·0	36·9	
10·0		22·0	27·4	
8·9		26·5	1·3	
9·7		30·0	20·6	
8·2		31·0	29·3	8·0 Ga
9·8		37·8	59·3	
9·3		38·0	43·1	
9·6		42·0	55·3	
8·1		58·5	44·5	8·5 Ga
10·0	51	1·0	8·7	
9·8		37·0	16·0	
9·7		41·0	4·5	
9·8		41·0	55·1	
9·2		47·0	20·2	
10·0	52	14·8	58·8	
9·5		21·0	3·5	
9·7		25·0	34·5	
7·5		30·0	32·2	7·0 GSbt
9·0	53	15·0	31·2	
9·0		19·2	2·0	
8·9		50·0	15·7	
10·0		55·0	0·3	
9·4	54	10·0	31·4	
9·4		14·4	43·1	
9·8		15·6	44·0	
10·2		19·1	58·1	
10·2		22·6	55·0	
9·9		48·6	44·0	
25pr.	+1	8·6	−7·0	

4261—4320.

mag.	9h.–10h. m	s	−24° ′	
9·3	54	53·1	10·3	
10·0	55	6·6	30·0	
9·7		29·6	27·9	
10·2		40·6	31·5	
9·5		43·6	37·4	
9·6		44·6	16·6	
9·7		45·6	39·3	
9·1		46·6	48·6	a
9·7	56	6·1	12·4	
9·9		8·6	55·0	
10·1		18·6	10·9	
9·7		31·2	0·3	
9·5		33·1	17·3	
10·0		46·1	22·3	
8·5		48·1	51·8	8·5 a
9·8	57	1·1	42·7	
9·7		2·1	26·4	
10·2		7·6	9·3	
9·9		10·1	39·8	
9·1		18·1	35·3	
10·0		23·1	4·9	
9·5		29·1	31·7	
10·2		33·1	14·0	
9·9		35·6	9·6	
8·8		36·1	5·7	9·0
9·3		39·1	12·4	
9·9		39·6	28·2	
9·1		52·1	28·8	
7·4		57·1	42·7	7·0 GSa
10·2		58·6	57·0	
10·2	58	5·1	48·7	
9·7		8·1	2·8	
8·8		9·1	51·8	9·0 Ga
10·0		10·6	49·7	
9·9		19·1	15·0	
10·2		21·6	31·2	
9·9		23·1	30·5	
9·9		28·1	33·9	
10·2		38·1	46·9	
10·0		42·1	36·6	
10·2		43·0	26·9	
10·0		43·3	59·4	
10·2		48·5	43·1	
10·0		53·7	59·6	
9·9	59	0·5	29·3	
10·2		3·0	57·7	
10·2		4·0	5·9	
10·1		16·0	39·9	
8·8		37·0	43·0	
9·9		43·0	28·8	
10·1		54·5	43·7	
10·2		57·0	30·0	
10·0		59·0	13·3	
10·0		59·3	57·0	
9·7	0	0·5	42·7	
9·9		5·0	35·3	
10·0		6·5	44·3	
10·2		8·5	1·3	
10·2		9·0	5·6	
9·9		19·0	30·4	
	+1	9·1	−7·2	

4321—4380.

mag.	10h. m	s	−24° ′	
9·9	0	19·5	43·1	
10·2		23·0	9·7	
9·8		24·0	41·5	
9·9		24·0	33·9	
9·0		37·0	9·1	9·0
9·8		43·5	44·1	
8·9		46·5	42·8	8·5
9·6	1	2·0	27·3	
7·5		3·0	6·5	7·5 GSb=
10·2		5·0	41·1	
9·9		14·5	38·5	
9·9		19·5	10·4	
10·2		24·0	37·1	
10·2		26·0	30·5	
10·1		29·0	11·5	
9·7		30·0	12·7	
10·2		35·0	56·9	
8·5		38·0	19·5	8·0 W
10·1		40·5	40·1	
10·0		50·0	37·9	
9·9		51·0	4·9	
8·6	2	2·0	31·7	8·8
8·3		15·0	21·1	8·2 W−
9·9		17·5	50·3	
10·2		21·0	16·9	
10·2		23·0	28·0	
9·9		24·0	16·7	
9·8		26·0	54·0	
10·2		27·0	25·7	
10·2		39·0	25·1	
10·2		40·5	56·5	
9·9		41·0	18·4	
10·0		49·2	58·5	
9·5		53·0	12·1	
8·0		55·5	22·5	7·7 G−
9·0		58·0	31·5	9·0
9·5	3	1·0	38·5	
9·8		9·0	51·1	
8·8		9·0	16·3	
8·6		10·5	26·9	8·2 G−
9·3		27·0	34·9	
9·8		29·0	50·0	
9·5		29·0	5·9	
9·2		43·5	15·7	9·0 a
9·8		48·0	12·1	
9·6	4	1·0	16·4	
9·6		6·0	46·4	
9·3		6·5	46·9	
9·9		27·0	31·5	
9·8		52·0	53·9	9·5
9·7		53·0	28·9	
9·6		56·5	47·9	
8·2	5	4·0	49·3	8·1 Ga
10·0		9·5	47·6	
9·7		14·5	27·0	
9·7		16·0	23·7	
10·2		26·0	36·0	
9·9		28·0	32·9	
10·0		30·5	25·9	
8·9		33·5	34·0	9·0 a
	+1	9·4	−7·3	

4381—4440.

mag.	10h. m	s	−24° ′	
10·2	5	37·0	55·3	
10·2		39·5	51·9	
9·3		40·7	56·5	
8·8		41·0	45·7	9·0 a
9·5		43·4	2·2	
9·7		44·5	48·9	
9·9		49·0	6·8	
10·1		50·0	40·6	
10·2	6	3·0	26·2	
9·9		9·5	55·0	
9·7		19·0	58·5	
9·0		27·0	17·8	8·0 =
9·7		33·5	50·7	
9·9		39·0	49·7	
9·9		47·0	24·2	
8·3		50·0	31·3	8·2 Ga
9·0		54·0	19·3	9·0
10·0	7	2·0	51·9	
9·3		3·5	54·2	
9·9		6·0	23·1	
10·2		23·5	8·4	
9·3		34·0	29·3	
9·8		39·5	17·8	
10·1		39·5	31·9	
9·7		43·5	22·6	
10·2		44·0	16·9	
10·0	8	0·0	52·3	
10·2		32·0	24·9	
10·1		34·0	8·1	
9·7		37·5	36·7	
9·3		51·0	30·4	
9·3	9	2·5	46·9	9·0
9·6		3·5	30·7	
8·5		6·5	56·0	−
8·5		11·5	43·8	7·8 G=
10·2		15·0	25·4	
9·9		17·0	57·6	
10·1		17·0	45·9	
8·4		18·0	22·0	a
9·2		18·5	7·4	
9·7		23·0	12·9	
9·3		36·0	30·3	
9·1		36·0	43·6	8·8 Ga
10·0		46·5	40·6	
10·0		56·0	6·3	
10·1	10	0·5	34·9	
9·4		8·5	6·5	
10·1		14·5	24·1	
9·1		23·5	9·1	
9·9		24·0	52·0	
9·8		30·0	24·6	
9·8		31·5	23·6	
10·0		40·3	26·3	
10·2		40·8	23·2	
8·7		55·8	3·3	9·0 −
9·9	11	7·3	34·1	
10·0		20·8	25·1	
9·6		28·3	7·5	
8·3		28·8	27·3	9·0 a
9·4		52·3	13·2	
	+1	9·7	−7·4	

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4441—4500.

mag.	10h. m	s	—24° ′	
10·2	11	58·8	32·7	
9·9	12	3·3	48·8	
8·8		3·8	52·2	9·0 =
9·9		10·3	33·7	
10·2		12·3	57·5	
9·9		14·8	52·6	
9·9		19·8	49·5	
9·0		29·8	39·2	9·0
9·5		32·3	42·4	
10·1		35·3	30·8	
10·0		39·8	2·0	
9·6		40·3	24·6	
9·7		42·3	41·5	
9·8		43·3	30·7	
10·0		44·3	42·3	
9·7		59·3	51·8	
10·2	13	0·8	19·3	
9·5		10·3	47·6	
10·1		12·3	56·2	
8·8		13·5	58·3	9·0 =
10·2		18·3	40·2	
9·8		21·3	18·6	
9·7		26·3	29·5	
9·7		28·3	47·6	
9·1		34·3	39·6	9·0 a
10·2		40·8	20·4	
8·6		52·8	36·2	9·0 a
9·7		56·3	21·3	
9·7	14	18·3	26·8	
9·8		28·3	12·5	G
10·0		32·3	55·5	
9·9		42·8	14·4	
9·7		46·7	54·9	
9·9	15	7·2	35·1	
9·9		12·7	36·3	
10·0		15·7	50·1	
9·9		27·2	28·7	
10·2		27·7	11·9	
10·2		30·2	18·1	
7·9		30·7	44·7	7·0 GSat
9·9		42·7	27·1	
10·2		43·7	55·4	
9·7		44·2	55·1	
9·3		46·9	51·9	9·0 a
9·1		53·7	24·5	
9·0	16	4·7	57·9	9·5
10·0		4·7	1·7	
10·1		7·7	0·6	
9·5		8·0	22·5	9·5
10·0		10·2	26·1	
9·7		14·2	23·1	
9·6		20·2	31·3	
9·9		22·2	26·1	
10·2		26·2	26·4	
10·0		31·7	43·7	
10·2		32·2	30·8	
10·2		34·7	54·0	
9·6		39·7	50·2	
9·0		41·7	19·3	
10·[illegible]		52·7	6·6	9·0
	+1	10·1	—7·5	

4501—4560.

mag.	10h. m	s	—24° ′	
9·3	17	33·9	58·9	
10·1		39·2	7·4	
10·2		45·2	39·0	
9·7		49·7	53·6	
7·8	18	35·7	56·0	7·5 G≡
9·0		55·2	46·9	8·5 a
8·6		58·2	20·2	8·0 Ga
9·0	20	17·2	49·8	9·0 a
9·6		29·2	7·9	
8·8		34·7	42·8	9·0 a
9·6	21	7·2	24·1	
9·6		7·7	23·7	
9·2		54·7	2·6	9·5
9·6	22	34·7	20·1	—
9·6		44·7	41·4	9·0
9·6	23	3·7	19·2	
9·4		6·2	13·3	
9·2		9·2	55·7	9·0 =
8·2		46·7	26·1	8·8 =
8·6	24	27·8	14·4	8·5 Ga
8·8		31·8	3·3	9·5
8·0		54·8	34·9	8·5 GWa
9·6	25	49·8	30·5	
9·0	26	54·3	34·4	9·0 —
8·8		59·8	30·1	9·0 =
9·6	27	6·3	44·6	
9·4		10·3	7·4	
8·8		10·8	56·9	9·0 a
9·2		16·8	51·3	9·0 Ga
9·6		40·3	30·9	
9·2		42·5	57·2	9·0
9·6		59·8	37·0	
8·0	28	54·8	27·0	8·5 =
8·8	29	17·8	49·2	9·0 a
9·6		43·7	2·0	
9·0	30	59·3	52·5	
9·6	31	12·3	57·7	
9·6		12·3	55·4	
9·4		28·3	25·0	9·0 —
9·4		39·7	12·6	9·0 —
9·2		50·8	21·7	9·2 =
9·6	33	23·3	24·1	—
9·2	34	13·8	29·5	a
9·6		15·3	3·3	9·5
9·2		26·3	1·6	9·0 =
9·6	35	24·6	0·4	
9·2		57·3	35·5	9·0
8·8	36	19·8	18·0	8·0 Ga
9·6		50·3	21·4	
9·6		50·3	49·9	
8·8	37	7·3	50·6	9·0
8·8		28·3	5·0	—
8·6		39·3	25·9	8·0 a
8·8	38	8·8	43·5	9·0 a
9·2		33·1	13·1	
8·8		59·6	27·1	9·5 =
7·7	39	34·9	22·2	8·0 Ga
9·2	40	18·4	31·7	
10·0		44·9	17·1	
9·8		46·9	43·2	
	+1	10·9	—7·7	

4561—4620.

mag.	10h.–11h. m	s	—24° ′	
8·2	40	48·9	52·7	7·5 Ga
9·2	41	29·9	46·7	9·0 a
9·6		48·4	32·1	
10·2	42	21·9	18·1	
8·8		36·9	30·0	8·8 a
10·2		53·9	23·4	
9·6		59·4	38·9	
9·4	43	52·4	6·2	9·5 —
10·2	44	31·4	19·0	
9·1		41·9	51·7	8·5 Ga
9·8		43·4	41·7	
9·4		53·9	41·1	9·5
9·6	45	37·9	27·0	
10·2		42·9	56·1	
10·0		42·9	58·9	
10·2		46·2	57·4	
9·8	46	19·3	0·4	
8·2		47·9	3·4	8·5 a
8·8		54·9	5·3	8·2 Ga
8·5	47	40·9	9·2	8·0 Ga
10·2	48	3·4	28·8	
10·2		27·9	42·8	
8·6		39·9	8·7	8·5 Ga
8·6		49·9	34·4	8·5 G
10·2		52·9	12·3	
9·3	49	16·9	5·5	
9·6	50	8·5	1·4	
8·6		14·4	55·1	8·5 Ga
9·2	51	20·4	37·5	9·0 =
10·2		40·4	28·4	9·5
10·0	52	56·4	55·4	
9·8	53	51·4	51·7	9·0 a
10·2	54	21·4	22·8	
9·8		27·4	28·0	
9·3	55	34·9	21·4	
10·0		52·9	32·0	
8·8	56	10·7	3·1	—
10·2		37·9	24·1	
9·4		39·9	8·7	
7·4	57	1·4	54·3	7·0 GSa
9·0		4·4	30·1	a
9·4		10·9	15·3	
8·2		37·7	59·3	8·8 Ga
8·8	59	29·4	20·7	9·0 =
9·6	0	30·4	33·3	9·5
10·2		34·4	33·1	
10·2	1	20·1	26·0	
10·2		49·6	19·7	
9·8	2	38·1	41·5	
10·2	3	3·6	20·2	
9·6		39·6	40·1	
9·8		52·1	30·8	
8·0		59·6	55·9	7·7 GSMa
10·0	4	16·8	0·1	
10·2		39·9	42·5	
10·2	5	10·9	24·6	
9·8		46·4	35·7	9·0 —
10·2	6	20·4	0·3	
9·8		27·4	26·0	
10·0	7	7·9	6·6	
	+1	12·3	—8·0	

4621—4680.

mag.	11h. m	s	—24° ′	
9·5	7	33·4	45·2	
10·2	8	11·8	34·7	
9·8		12·9	48·0	—
10·2		29·3	0·2	
9·6		48·9	53·1	9·5
10·2	9	8·4	54·2	
10·2		16·4	48·3	
9·0		50·9	19·4	
8·8		54·4	38·0	9·0 —
9·4	10	21·6	59·1	
10·0		36·4	58·2	
9·8		39·9	22·2	
10·0	11	22·4	52·2	
10·0		53·9	41·9	
9·6		57·4	20·0	
8·4	12	52·4	32·6	8·5 G=
10·0	13	23·6	59·0	
10·0		27·9	5·4	
10·2		34·4	33·8	
10·2	14	8·6	1·1	
9·6		20·4	58·3	
10·0		26·4	28·7	
8·8		36·4	34·4	9·0 =
9·3	15	11·4	22·6	9·0 G=
10·0		22·4	17·1	
9·6		22·4	5·7	
9·6		28·9	54·5	—
10·0		30·4	43·0	
9·8		40·9	18·5	
9·6		46·8	2·4	
9·1		54·9	5·5	9·0 =
10·0	16	3·4	40·7	
10·0		3·4	54·7	
8·4		5·9	30·6	8·2 Ga
9·6	17	0·4	52·6	10·0
8·8		8·4	53·2	8·8 G>
9·8		15·0	24·3	
9·8		33·0	25·3	
9·6		41·0	49·7	
10·0	18	13·0	7·3	
10·2		26·7	2·0	
10·0	19	2·0	19·7	
10·2		6·5	2·8	
9·6		8·5	22·1	
9·3		12·0	7·1	—
9·6		38·8	59·3	
9·6		39·3	59·8	
10·2	20	13·0	11·1	
9·4		16·0	33·4	M=
9·8		16·5	36·2	
10·2		35·5	8·6	
9·8		43·0	45·4	
10·0	21	21·5	8·8	
9·6		58·5	36·0	
8·8	22	11·5	11·3	≥
8·0		46·0	4·7	8·5 —
7·6	23	32·8	18·7	7·5 GSb=
9·6		50·0	52·0	9·0 a
10·0	24	9·5	52·7	
10·2		21·6	24·2	
	+1	13·9	—8·2	

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4681—4740.

mag.	11h m	s	—24° ′	
10·2	24	34·0	47·2	
9·3	25	7·8	4·0	
8·6		14·1	31·9	9·0 Ma
10·0		28·1	46·0	
9·6		33·1	46·9	
9·3	26	51·1	14·0	a
9·2	27	19·8	2·1	a
9·8†		20·9	1·7	
9·8		28·7	53·1	
9·4	28	13·7	37·3	9·5 M=
9·2		48·2	53·2	10·0 G–
9·2	29	19·7	4·4	a
9·8		45·7	16·0	
10·0	30	27·7	16·0	
9·8		38·7	15·6	
10·0	31	40·7	43·1	
9·0		48·2	6·2	9·0 –
8·6	32	2·7	53·9	9·0 Wb
9·1		3·7	55·6	9·2 W=
10·0		19·2	43·0	
10·0		29·7	16·8	
7·2		44·1	1·3	6·5 GSbl
8·0	33	5·9	12·1	7·5 Gb–l
10·0		20·4	52·8	
10·0	35	2·4	30·5	
9·4		5·9	30·7	
9·3		12·4	4·7	
10·0		15·9	22·8	
9·6		29·9	53·5	
10·0	36	5·9	25·3	
10·0		8·9	48·5	
9·1	37	3·4	3·9	8·8 Ga
9·6		3·4	58·4	
9·8		6·4	51·5	–
10·0		7·7	1·8	
8·6		27·0	58·2	9·1 Ma
9·3		29·9	7·9	
10·0	38	13·1	40·1	
8·8	39	5·1	19·0	8·3 ≡
10·0		16·1	39·3	
9·2		27·1	23·9	8·7 –
8·4		52·1	10·7	7·5 GMal
9·6	40	3·1	2·3	9·0
7·8		7·6	16·8	7·5 GMal
9·8		25·1	18·8	
10·0		45·9	9·2	
9·6	41	8·4	8·2	9·0 a
9·3		21·4	46·8	8·8 M–
8·8		36·9	35·2	9·0 a
10·0		42·9	43·4	
10·0	42	5·9	43·5	
7·8		11·9	23·5	7·8 Ga
10·0		31·4	33·6	
10·0		51·4	34·0	
9·8	43	10·4	3·9	
9·6		17·9	13·8	
9·8		18·9	32·9	
9·8		39·9	20·2	
10·0	44	7·4	54·5	
9·6	45	51·0	27·2	9·0 M=
25pr.	+1	15·2	–3·3	

4741—4800.

mag.	11h.–12h. m	s	—24° ′	
10·0	45	52·6	27·0	
10·0		53·6	48·4	
10·0		54·0	51·9	
10·0		54·8	48·8	
10·0	46	43·8	59·6	
9·6		45·5	47·3	–
10·1	47	37·5	10·1	
9·4		45·0	5·3	9·0
10·1	48	32·0	1·0	
9·2	49	5·5	49·3	
7·7		9·5	9·8	7·0 GSal
7·9		25·6	27·1	8·2 GMa
8·0		34·1	13·8	7·5 Gal
8·2	50	41·1	47·1	7·8 Ga
10·0†		51·7	1·3	
10·0	51	23·2	59·1	
8·4		24·1	5·7	9·0 a
10·1		34·1	54·1	
9·6		42·1	5·6	
9·0	52	22·1	22·3	9·5 =
10·0		58·1	50·6	
9·8†	53	1·2	0·9	
10·1		23·1	41·3	
10·0		44·1	9·9	
8·9		50·1	34·9	9·2 =
9·8		56·6	47·1	
8·8	55	23·1	22·0	M=
10·0		24·1	5·3	
10·1	56	9·1	8·5	
10·0		29·1	40·1	
10·0		33·1	23·9	
10·1		50·6	56·1	
10·0		54·1	48·3	
10·1	57	43·3	43·4	
10·1	58	6·3	55·3	
9·0		16·3	12·3	8·5 GMa
9·2	59	47·8	10·1	8·5 ≡
10·1		49·8	59·2	
9·8		54·3	11·1	9·0
8·7	0	0·8	49·8	8·8 M≡
10·1		11·3	31·5	
9·6	1	18·3	30·6	–
8·6		21·8	38·6	9·0 =
10·1		39·8	28·1	
9·6		58·8	51·5	–
5·0		59·0	1·9	4·2 GSπβ
10·1	2	2·3	45·8	
10·1		27·3	44·0	
10·1		55·0	22·1	
10·0	3	22·8	42·1	
7·4	4	2·8	15·8	7·5 GStπ
10·1		4·0	35·2	
10·0		12·8	24·3	9·0
9·6		14·8	3·9	
8·6		46·8	9·0	9·2 a
10·1	5	49·3	31·0	
10·1		50·3	4·3	
10·1		54·3	9·4	
10·1		59·3	11·9	
8·4	6	25·6	7·9	9·0 –
	+1	16·6	–8·4	

4801—4860.

mag.	12h. m	s	—24° ′	
9·9†	6	39·3	2·3	
10·0	7	10·1	44·1	
8·8		17·6	15·0	8·8 Ga
9·2		18·1	39·3	8·5 Ga
10·0†		47·3	0·3	
10·0		55·6	31·9	
9·5		57·6	18·3	9·0 a
10·1	8	12·6	9·5	
7·8		16·8	4·9	7·5 Gal
10·0†		23·0	1·6	
10·0		31·6	47·7	
10·2	9	49·1	52·3	
9·4	10	15·6	34·5	9·0 –
10·2		19·7	54·9	
9·9†	11	0·5	1·1	
9·2		52·1	21·9	M
9·0	12	34·1	59·2	9·5
9·2	13	3·1	39·1	a
10·2		11·6	6·7	
8·4		36·1	52·2	8·7 Gal
9·8	14	44·6	31·1	
10·2	15	1·6	15·0	
10·2		7·6	16·7	
8·5		33·3	0·1	9·0 Ga
9·8		45·6	23·0	
9·4		51·6	30·0	9·0 M=
9·4	16	5·6	24·0	
9·5		6·6	53·8	
9·8		25·6	20·9	
7·9		30·6	10·7	7·2 GSlπ
8·8		42·6	34·8	8·8 –
10·2		45·6	8·9	
7·4		51·6	8·7	6·0 GSπβ
9·5		59·6	7·3	
9·4	17	2·6	13·1	
9·6		21·6	21·0	M
8·3		47·6	51·7	8·0 b=l
8·2		51·6	31·0	7·8 G=
9·8		53·6	52·7	9·8
10·2	18	11·6	34·7	
9·2		23·6	8·9	b
10·0		35·6	25·5	
8·4	19	10·1	14·4	8·5 GMal
8·8		12·6	52·8	9·0 a
9·0		52·1	27·4	–
9·2	20	20·1	5·0	8·7 Ga
9·8		23·6	59·2	
10·0		29·6	48·5	
10·2	21	0·6	2·2	9·5
8·0		8·8	2·1	7·5 Gal
8·4		19·1	38·1	8·5 a
9·2		23·1	58·4	8·7 a
10·2		32·1	11·8	
9·6		58·1	6·9	
9·4	22	1·6	21·3	
9·8		12·6	18·2	
10·2		16·6	31·2	
10·2		22·6	13·9	
9·8		29·1	20·2	
10·2		45·1	15·4	
	+1	17·9	–8·3	

4861—4920.

mag.	12h. m	s	—24° ′	
9·6	23	8·1	36·9	9·0 a
8·9		28·1	33·8	9·5 a
10·0		35·1	8·9	
9·4		35·6	15·3	
9·8	24	2·6	46·6	
10·2		47·6	55·0	
8·8	25	46·6	56·8	8·7 ≡
8·6	26	44·6	34·5	8·5 G
10·2	27	12·2	1·1	
10·2		13·1	0·8	
9·5		36·6	5·7	
10·2		46·8	58·6	
9·6		47·6	22·8	
9·8		57·1	3·3	
9·4	28	32·6	46·6	
9·5	29	41·4	9·8	
9·4		51·4	14·0	
8·8	30	2·4	37·6	9·0 M–
9·0		2·4	3·4	b
8·6		29·4	31·7	9·0 Ga
8·4		36·4	12·2	7·5 Gal
9·0	31	1·2	56·1	9·5 G–
8·9		5·7	50·5	8·5 GMal
10·2		33·0	56·6	
8·8		59·5	47·7	8·3 Gal
9·7	32	42·0	48·9	
9·9		42·5	20·9	
9·6	33	6·0	20·0	
9·2		18·0	36·2	9·5 a
8·8		35·0	32·8	9·5 a
9·8		58·0	12·2	
9·4	34	13·5	37·0	
8·2		51·0	18·4	8·0 GWal
9·0	35	22·0	39·8	b
10·2		53·0	3·8	
9·2	36	7·0	36·4	
9·6		13·5	59·2	9·0 a
9·7		22·0	20·4	
10·2		27·0	10·0	
8·0		36·0	18·2	7·0 GSbl
10·0		47·5	13·7	
9·0		50·0	33·2	a
10·2	37	12·0	0·8	
8·8		16·0	21·3	8·5 Gal
10·0†		27·3	2·2	
9·2		29·5	28·8	
10·1		29·5	55·9	
10·2		50·4	8·8	10·0
9·7	38	40·9	30·1	
8·0	39	6·9	17·5	7·9 Gal
10·1		13·9	14·7	
10·2		33·9	52·7	
8·8		42·9	36·2	9·2 a
10·2		49·4	11·4	
10·0	40	3·1	59·0	
10·2		25·9	28·4	
10·1		48·4	37·8	
8·0	41	14·4	19·8	7·0 GSal
7·0		15·9	10·2	6·5 GSal
8·8		33·9	7·7	7·9 a :
	+1	19·1	–8·3	

4921—4980.

mag.	12h. m	s	–24° ′	
8·4	41	41·9	6·9	8·0 bl
9·4	42	7·4	52·8	
9·4		19·4	12·2	
9·6		39·4	46·2	
9·4		42·3	59·1	
8·1		46·9	36·7	8·0 Gal
10·1		54·9	15·2	
9·0	43	0·4	33·8	9·0 a
9·4		21·4	54·8	
10·0		41·9	35·6	
10·2		42·8	43·0	
9·6		48·9	21·9	9·0
9·7		50·4	53·6	
10·2	44	11·9	19·6	
9·2		14·9	3·4	
9·8		15·9	20·2	
8·8		25·4	32·3	9·0 a
9·2		30·9	8·2	
8·8		31·4	7·5	a
9·2		46·4	40·8	9·5 a
10·1	45	8·4	55·6	
8·8		18·9	1·7	9·0 Ga
9·1		52·9	39·5	M
10·2	46	0·4	38·5	
9·0		4·5	48·1	9·0 M–
9·6		49·0	56·0	
9·2		51·0	35·2	9·0 G
10·2	47	5·5	39·0	
10·2		9·3	0·5	
10·0		24·5	45·8	
9·9		29·0	45·4	
9·3		34·5	51·3	
9·7		45·5	5·6	
9·4		59·5	29·2	
10·2	48	6·5	3·8	
8·5		11·5	45·0	8·0 Gal
8·0		29·5	16·5	7·7 Gal
9·4		40·5	12·6	
10·2		46·5	21·1	
10·2		47·2	59·1	
9·6		49·0	54·6	
10·2		52·5	13·3	
9·6	49	16·0	48·8	
9·7		19·0	12·9	
9·4		26·5	19·4	
9·4		43·5	47·9	
9·6		47·5	14·5	
9·0	50	5·5	42·6	—
9·4		41·5	48·5	
9·0		51·5	22·4	
9·3		55·5	33·2	
10·0	51	6·0	47·1	
[illegible]		12·5	2·5	a
10·2		12·5	3·1	
10·2		18·0	47·7	
[illegible]		36·5	29·3	
[illegible]	52	4·5	44·7	7·5 Gal
[illegible]	53	29·5	39·9	
[illegible]		41·3	21·6	
[illegible]		52·0	52·1	9·0 =
	+ 1	19·9	—8·2	

4981—5040.

mag.	12h.–13h. m	s	–24° ′	
9·4	54	12·8	33·5	
9·6		13·3	41·0	
9·6		52·3	38·7	
10·0		55·1	12·0	
9·6	55	2·1	26·1	
10·0		4·1	52·9	
9·0		12·1	39·5	a
10·0	56	10·1	13·1	
10·0		46·4	59·3	
9·7		58·1	24·5	
9·4	57	35·1	39·5	9·0 a
10·0		54·1	19·3	
9·8	59	36·1	9·7	
10·0		37·1	31·6	
9·6		42·6	6·1	
10·0	0	55·6	31·0	
10·0		59·7	58·8	
9·0	1	28·6	34·0	9·0 M=
9·7	2	10·1	22·8	
10·0		26·1	31·3	
9·0		31·1	32·7	9·0 a
8·8		51·6	4·3	8·5 Ga
8·2	3	25·6	52·2	7·8 Ga
8·2		36·1	21·7	8·0 Gbl
9·4		58·1	28·2	
10·0	4	7·8	54·2	
10·0		43·8	22·0	
10·0		45·3	22·4	
10·0		46·8	47·0	
9·4	5	0·1	2·3	a
10·0		3·3	31·2	
10·0		5·3	45·6	
9·7		11·3	2·7	
9·6		35·3	38·4	10·0
10·0		58·3	39·0	
9·5	6	16·3	30·8	
10·0		16·3	49·0	
9·4		22·8	3·3	a
10·0		35·8	55·7	
8·8	7	31·8	33·0	8·5 a
9·5	8	10·3	57·0	a
9·0		13·5	13·6	=
10·0		32·0	48·0	
9·2		41·0	39·6	9·5
9·4	9	43·0	30·2	a
9·6		55·0	18·4	
9·7	10	10·0	9·2	
9·9		12·2	12·9	
8·8		22·5	22·0	8·7 Ga
9·8		40·0	58·1	
9·2		51·0	50·2	9·5 M–
10·0	11	1·0	32·8	
9·2		12·0	28·1	
9·9		21·5	34·2	
8·8		29·5	51·8	8·1 Gb≥l
10·0		59·0	45·0	
9·1	12	5·0	41·8	9·2
8·0		9·5	56·2	8·2 Gal
8·6		10·0	35·6	8·8 M=
9·0		17·0	25·4	8·5 G=
	+ 1	21·1	–8·0	

5041—5100.

mag.	13h. m	s	–24° ′	
9·7	13	18·0	32·2	
9·4		29·0	12·2	
9·2		42·0	17·1	9·0
9·7	14	22·1	6·3	
9·7		34·6	1·9	
9·5		34·6	52·6	9·5 GM
10·0		35·6	2·7	
7·7		41·6	16·4	8·0 Gal
9·9		50·6	37·4	
9·4		54·6	47·0	
9·4	15	4·6	28·4	
9·6		9·1	42·4	
9·8		24·6	11·0	
10·0		28·1	10·7	
10·0		31·7	24·0	
9·9		36·6	35·8	
8·0	16	20·9	5·0	7·8 Gal
8·5		30·9	0·2	7·8 Gal
9·5	17	17·1	30·4	9·5 –
7·8		24·3	28·6	7·5 GWbl
9·4		28·0	2·8	a
9·6		31·8	48·8	
10·2		47·8	28·0	
10·0	18	20·8	12·5	
8·6		21·8	24·0	9·0 –
8·9		23·8	43·9	8·2 M–
9·6	19	15·3	25·6	
9·6		23·3	41·2	
8·6		45·8	31·1	8·5 M=
10·0	20	20·3	4·9	
10·0		22·3	14·9	
10·2		27·3	52·0	
8·6		33·5	50·2	8·2 Ga
9·6		41·5	4·8	
9·2	21	8·0	30·3	
7·7		34·5	33·8	7·2 GStπ
9·5		52·5	1·9	
10·0		59·0	37·2	
10·2	22	19·0	14·4	
9·5		30·4	58·0	
9·6		52·1	36·4	
10·1	23	29·6	38·0	
9·0	24	7·1	31·1	9·5
10·2		9·6	2·4	
10·2		47·1	23·3	
9·8		48·1	50·0	
10·1	25	7·1	47·2	
9·6		15·6	10·8	
10·2		26·8	58·8	
10·1		34·1	5·4	
9·4		47·1	9·8	9·0
9·2		55·6	35·2	
9·8	26	8·6	41·7	
10·2		9·1	42·0	
9·2		9·1	46·0	
9·8		11·1	33·2	
8·4		13·1	53·6	8·8 a
10·2		16·8	57·2	
9·8		23·1	19·5	
10·0		27·6	51·4	
	+ 1	22·0	–7·9	

5101—5160.

mag.	13h. m	s	–24° ′	
9·0	27	23·6	44·2	8·5 a
10·1		41·6	48·3	
9·6		42·6	49·2	
8·6	28	10·7	39·7	8·8 a
10·1		25·7	45·9	
9·6		32·2	15·4	
9·5	29	59·7	9·6	9·5
9·4	30	35·2	32·2	
10·2	31	1·2	10·5	
9·6		32·7	39·4	
9·6		58·7	47·2	9·5 a
7·7	32	6·7	13·5	7·5 GSal
8·9		57·7	47·2	9·0 a
9·4	33	2·2	3·0	
10·1		14·7	45·4	
9·8		17·8	34·6	
9·0	34	11·7	42·6	
10·0		40·3	25·4	
8·6		42·3	34·7	9·0 =
10·2		47·8	25·9	
10·2		58·3	8·0	
10·1	35	8·3	6·8	
10·2		39·3	49·7	
9·6		53·3	38·5	
8·5	36	21·3	20·4	8·8 Gb–l
9·6		22·8	20·2	9·0
10·0		36·4	28·0	
10·2		46·3	45·8	
7·2	37	48·3	52·3	6·5 GSbl
10·1		56·8	24·1	
9·4	38	42·8	39·9	
9·9		56·5	56·9	
8·4	39	3·5	43·4	–
9·7		11·4	8·8	
9·1		13·5	53·9	9·0
9·4		21·6	44·7	
9·6		48·9	24·7	
9·8	40	7·4	42·2	
9·4		12·4	16·0	–
9·4		35·4	25·7	
9·6	41	2·4	53·8	
9·6		16·9	26·4	
9·9		26·4	19·0	
9·6		42·4	55·1	8·5
9·6	42	5·4	44·4	
9·8		7·4	29·1	
9·9		21·4	27·8	
9·1		49·9	43·9	8·5 =
9·3		50·4	18·2	9·5 a
9·6	43	12·9	43·2	
9·2		13·4	45·3	
9·6		20·4	45·2	
9·1		33·4	19·7	9·5
8·2		48·4	21·4	7·8 Ga
9·4	44	11·4	25·5	
9·1		25·4	53·4	9·2 a
9·0		42·4	42·3	
9·8	45	3·4	1·1	
9·6		25·9	8·8	
8·8		29·4	4·1	9·2 a
	+ 1	23·2	–7·6	

5161—5220.

mag.	13h. m	s	—24° ′	
9·4	45	45·4	45·6	
8·8		57·4	4·8	9·0 a
9·7	46	3·4	40·2	
9·9		31·4	37·4	
9·3		57·9	9·5	9·5 a
9·9	47	1·4	24·2	
9·7		29·9	56·0	
9·3		57·9	29·9	
8·4	48	15·9	46·6	8·5 ≥
8·4		17·1	35·1	8·5 =
9·6		30·1	35·2	
9·6		34·1	43·2	
8·6		39·1	4·0	—
9·6		41·6	28·4	
9·2		56·1	27·6	
8·4		57·6	55·1	8·3 a
9·0		57·6	55·5	9·2
9·3		59·1	40·6	
9·6	49	13·1	20·5	
9·6		25·1	46·1	
9·9		36·1	43·1	
9·9		46·1	45·9	
9·4		53·1	35·5	9·5
9·2	50	9·6	33·9	10·0
9·2		21·6	12·2	a
9·9		27·1	55·2	
9·8		44·1	48·3	
5·7	51	31·1	21·5	6·0 GSπβ
9·4		38·1	58·5	
9·9	52	1·6	29·6	
8·6		5·6	56·2	9·0 a
9·6		42·1	20·7	
7·1	53	1·1	23·9	6·5 GSπβ
8·4		1·6	56·3	9·3 a
9·6		8·1	40·4	
8·8		21·6	56·8	9·3 a
9·9		26·6	9·0	
9·1		42·6	51·4	9·5
9·9		54·6	34·9	
9·9	54	14·1	36·4	
9·6		32·1	19·3	
9·8		33·6	11·6	
9·9		37·6	1·1	
9·9		39·1	19·4	
9·4		49·1	54·3	
9·9		51·0	42·2	
9·9	55	12·1	36·1	
9·6		17·6	29·7	
9·4		21·4	9·2	
9·6		22·9	50·6	
8·1		26·4	3·3	8·2 —
9·9		36·9	54·0	
9·6		48·9	33·6	
8·5	56	20·4	10·9	8·0 Gb≡l
8·8		42·4	1·2	9·0 a
9·0	57	5·9	54·8	9·5 —
9·6		25·4	53·8	
9·9		37·9	38·6	
8·8	58	0·9	13·8	
9·4		16·4	57·3	
25pr.	+1	23·9	—7·4	

5221—5280.

mag.	13h.–14h. m	s	—24° ′	
9·4	58	48·9	6·2	
9·6		52·9	3·2	
8·2	59	8·9	8·4	b≥l
8·4		20·4	33·0	a
9·9		37·9	40·9	
9·4		52·9	18·7	
9·6		59·9	18·5	
9·9	0	19·9	46·7	
9·4		19·9	23·0	
8·8		39·9	44·7	9·0 —
9·8		40·4	31·9	
9·9		40·6	57·8	
9·7		46·9	30·2	
8·0		52·9	26·7	8·8 Ga
9·9		54·1	43·3	
9·4		56·7	50·8	
9·9	1	2·3	37·1	
9·7		10·9	6·3	
9·1	2	10·4	33·7	
8·8		19·9	0·1	a
8·8		22·2	27·2	a
7·1	3	7·5	48·5	7·9 Gb
9·6		13·5	35·5	
9·2		20·5	43·1	9·0
8·3		49·5	43·8	7·8 GWb
8·8	4	17·0	20·3	8·5 Ga
8·4		31·0	35·4	7·5 GWa
9·2	5	33·0	51·4	
9·8		41·0	32·4	
9·8		41·0	43·6	
10·0		42·5	11·5	
7·6		50·5	55·1	7·6 Gb
8·6		53·6	59·9	9·0 a
9·4	6	3·5	42·5	
9·6		15·0	57·4	
9·0		15·5	54·2	9·2
10·0		28·0	21·6	
9·8		33·5	11·8	
9·8	7	59·0	28·0	
10·0	8	3·3	57·5	
9·4		3·8	51·7	
9·0		21·8	17·0	
10·0		40·8	34·5	
9·8		51·3	52·1	
9·8		57·3	10·3	
9·6		59·0	2·4	
8·2	9	7·3	47·0	8·5 a
9·6		16·8	20·0	
9·2		47·3	40·8	
9·0		52·3	39·8	
9·2	10	0·3	54·1	
8·2		3·3	28·4	8·5 =
10·0		16·3	3·4	
8·4		28·8	43·2	a
9·6		37·3	12·9	
8·8	11	3·3	48·5	a
9·8		3·3	20·3	
9·6	12	6·3	20·2	
8·6		9·3	13·8	b
8·6		12·3	16·3	
	+1	24·8	—7·1	

5281—5340.

mag.	14h. m	s	—24° ′	
8·6	12	20·3	19·1	
8·6		20·3	33·8	8·5 a
10·0		28·8	1·1	
9·6	13	2·3	52·0	
9·0		12·3	35·1	
8·8		37·3	31·5	8·5 —
9·2		48·3	2·9	8·5 a
9·0	14	1·8	16·9	
10·0		58·3	53·3	
8·9	15	22·3	43·6	9·2 a
8·8		46·3	36·3	9·0 a
9·2		53·3	19·5	
9·4	16	1·3	38·0	
9·4		10·3	10·7	
8·6	17	28·3	45·0	
9·6		32·9	31·6	
6·8		40·9	14·2	5·5 GSlπ
8·1	18	19·9	0·9	8·0 Ga
10·0		25·9	27·2	
9·4		26·4	42·3	
10·0		32·9	10·0	
9·6		54·4	35·0	
9·4	19	2·4	7·5	
9·8		13·4	1·1	
9·8		39·9	15·6	
9·8		50·9	30·9	
9·4	20	2·4	48·6	
9·4		2·9	6·3	
9·4		17·9	43·5	
8·6		31·9	17·5	8·0 a
10·0		39·4	3·9	
10·0	21	21·9	5·5	
9·0		36·4	23·1	9·5 —
9·6		39·9	24·4	
9·8		44·9	51·6	
9·4		45·9	38·8	
9·8		48·4	59·9	
9·0		48·9	46·9	8·5 a
10·0		51·4	33·7	
10·0	22	16·9	26·0	
9·8		22·9	7·8	
10·0		28·9	44·5	
9·2		30·4	7·6	a
9·8		32·4	29·5	
8·0		39·2	59·0	7·8 GSb=
9·4		41·9	9·9	
8·4		42·9	17·3	8·5 a
8·9	23	4·4	12·2	
9·6		9·9	18·4	
9·8		10·9	26·4	
9·0		42·9	2·0	8·5 GWa
7·4		50·2	45·4	7·8 GScl
9·2	24	8·0	45·9	
9·6		8·8	39·7	
10·0		28·9	20·8	
8·8		37·3	0·3	7·5 GWa
8·5	25	0·3	31·4	9·5 —
9·4	26	16·6	23·4	
9·4		20·1	26·3	
9·4		38·1	9·3	
	+1	25·6	—6·8	

5341—5400.

mag.	14h. m	s	—24° ′	
9·6	27	3·1	24·1	
8·4		14·1	43·6	8·8 —
9·2		28·1	51·5	9·5
8·8	28	1·6	22·6	
9·1		53·1	41·3	
8·4		53·6	2·2	8·5 Ga
9·4		54·1	17·7	
8·8	29	3·6	34·4	
9·4	30	32·6	21·9	
9·8		35·1	53·6	
9·4		35·1	54·3	
9·2	31	29·1	45·6	10·0
8·6	32	0·6	31·7	9·5 a
8·1		9·3	29·1	7·5 GSlπ
9·6		27·3	14·1	
9·6	33	43·3	42·7	
9·0		48·8	52·1	9·5
9·1		50·8	13·6	
9·3		51·8	22·2	
9·9	34	14·3	48·9	
9·9		16·8	11·5	—
8·4	35	45·0	59·1	9·0 —
8·0		56·8	34·5	8·0 Gatπ
6·2	36	0·8	27·6	6·0 GSπβ
9·6		32·3	27·0	9·0
9·3		32·8	44·3	
9·0	37	23·3	31·0	8·5 Ga
9·9		52·8	6·3	
9·8	38	6·3	17·6	
9·0		12·8	15·9	9·5
9·1		27·3	27·0	9·5
5·6		46·3	54·7	5·2 GSπβ
9·0	39	22·3	12·7	
8·5		44·3	56·3	9·0 Ga
9·9	40	41·6	0·0	
9·2	41	0·8	5·3	
7·6		14·3	58·2	7·0 GScl
9·4		36·8	28·0	
9·3		41·3	51·7	9·0 a
9·6		46·6	2·7	
9·6		58·8	28·5	
9·8	42	3·3	8·3	
9·8		15·3	37·5	
9·9		22·3	3·9	
9·1		34·3	42·4	
9·0		44·3	36·0	9·5
8·8	43	22·8	28·6	
8·8		59·8	19·9	K
9·4	44	37·3	24·5	
9·0		41·8	3·9	
9·9	45	17·8	29·9	
8·2		21·8	56·2	8·0 Ga
9·3		22·8	25·3	
9·9		27·0	2·4	
9·0	46	48·8	41·9	8·5 G—
9·3		50·4	8·5	8·0 Gb—
9·2		56·3	30·9	9·0 —
6·6	47	4·9	7·8	6·0 GSπβ
9·0		12·0	19·7	
9·8		42·5	5·1	
	+1	26·5	—6·4	

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5401—5460.

mag.	14^h–15^h m	s	—24° ′	
9·3	47	44·0	43·0	9·5 –
9·4	48	13·0	15·3	–
9·5		24·0	45·8	
9·8		43·0	11·2	
9·8	49	4·0	33·7	
9·1		5·0	10·0	
8·4		15·5	10·7	8·8
10·2		58·0	1·7	
9·4		59·5	37·2	
10·2	50	10·2	8·1	
7·2		14·0	56·2	7·0 GSlπ
9·4		22·2	32·0	
10·2		38·2	53·0	
10·2	51	17·2	28·9	
9·8		22·7	27·3	
10·2†		31·1	2·3	
10·2		47·7	59·9	
10·0		52·7	54·8	
9·4	52	59·7	44·0	
9·3	53	7·2	43·5	
8·8		52·2	39·0	9·0 –
8·2	54	23·7	34·2	9·0 –
9·8		25·2	1·0	
9·5	55	4·7	13·4	
9·3		6·2	53·9	
10·2		11·7	7·4	
8·8		23·7	35·6	8·5 Ga
9·5		33·7	13·7	
10·2		49·7	32·0	
9·5	56	19·7	6·2	
9·6		42·7	58·1	
6·2		45·7	47·3	3·8 GSμβ
10·2	57	3·7	28·2	
10·2		13·2	4·2	
9·5	58	13·7	39·0	
9·8		25·7	8·6	
9·5		32·7	56·2	
9·1		33·7	41·5	
9·3	59	2·7	32·6	
9·5		4·5	1·0	
10·2		6·2	17·2	
9·3		11·2	20·4	
9·3		13·7	33·2	
9·3		17·7	48·5	
10·2	0	9·2	28·2	
8·2		31·7	45·2	8·0 G≡
[illegible]		56·7	54·8	
10·2	1	3·2	22·7	
10·2		5·7	59·8	
10·2		8·2	41·3	
9·1		10·2	56·1	9·0
8·6		27·0	50·3	8·8 G
8·2		40·0	34·3	8·5 –
9·8		53·4	3·1	
9·8		58·5	34·3	
9·[illegible]		59·5	8·2	
9·[illegible]	2	9·0	10·8	
9·[illegible]		21·5	48·7	a
9·[illegible]		43·0	56·4	
10·[illegible]		50·0	11·1	
	+ 1	27·5	—6·0	

5461—5520.

mag.	15^h m	s	—24° ′	
10·2	3	1·5	55·2	
9·8		23·5	13·4	
9·6		42·5	47·9	
9·5		57·0	14·8	9·5
9·0	4	12·5	11·9	9·2
8·8		30·0	9·8	9·0
8·8		34·9	58·8	
9·8	5	8·0	46·6	
10·2		13·5	48·7	G
9·6		37·3	1·0	
9·6		40·0	33·1	
10·2		59·5	56·1	
9·6	6	3·5	7·2	9·5 G
8·4		9·5	24·1	9·0 –
7·3		10·5	50·2	7·0 GSlπ
10·2		37·0	0·7	
10·2		46·0	8·7	
10·2		51·0	36·8	
9·8		54·5	33·4	
10·2		58·0	9·6	
9·8	7	0·5	1·4	
10·2		3·4	58·0	
10·2		6·0	55·3	
9·3		24·5	0·1	8·0 –
9·1		27·0	43·4	
9·0		54·7	55·4	8·7 a
8·2		57·0	19·5	9·0 a
9·3	8	20·2	32·4	9·5
9·8		38·0	13·1	
9·1		55·5	26·7	9·0
9·2	9	22·7	34·3	
9·2		36·2	13·3	9·5 –
9·6	10	13·9	1·1	
8·2		31·9	31·3	8·5 –
7·5	11	15·4	32·4	8·0 GSbc
8·4		16·9	45·9	8·5
9·4		28·9	12·1	
9·2		33·9	12·4	
9·8	12	18·9	20·1	
9·6		43·9	15·3	a
8·4		51·9	31·3	9·0 W=
9·6	13	22·5	2·2	
9·0	16	9·0	55·5	9·5
9·0	17	3·5	25·6	
10·0	18	40·5	52·6	
9·4		48·0	41·5	9·5
8·4		54·5	32·8	9·0 –
10·0		55·5	47·7	
9·4		57·5	21·6	
9·8	19	0·5	34·2	
8·7		40·5	5·2	9·5
7·9	20	23·5	43·9	8·0 G≡
9·8		27·5	16·1	
8·6		55·5	29·3	
8·8		56·0	54·1	
10·0	21	8·5	46·2	
9·0		24·0	9·5	9·5 a
9·4		27·5	4·7	
9·4		38·5	10·5	9·2 a
8·4		46·0	20·7	8·8 –
	+ 1	28·0	—5·7	

5521—5580.

mag.	15^h m	s	—24° ′	
8·0	21	46·8	1·0	7·5 Gal
10·2†	22	12·8	1·4	
8·6		44·0	5·9	9·2 a
8·7	23	2·5	52·1	9·0 =
10·1†	24	43·8	1·6	
6·7	25	46·0	3·9	*6·1* GScl
8·3		54·0	36·1	9·0 –
7·9	26	30·0	41·2	7·5 GSat
9·4		37·2	25·6	9·0 a
9·2	27	8·2	33·0	9·2 a
8·0		40·7	41·0	8·0 GSa
8·4	28	11·7	43·8	8·5 GWa
10·0	29	25·7	10·2	9·5 G
10·0		43·2	54·8	
10·0	30	13·8	16·4	
9·1		20·7	7·0	8·5 a
7·8		57·0	14·5	8·0 Ga
9·5	31	50·3	44·1	
9·4	32	7·7	57·3	9·0 –
8·7	33	58·7	2·1	8·8 G
8·9	34	3·8	56·3	
9·4		8·3	5·1	
9·0	35	12·3	49·9	9·0
8·9		34·8	49·3	9·0
8·4		35·8	45·0	8·5
9·2		39·3	5·9	
8·4		51·3	15·1	9·0
9·5	36	27·3	26·9	
9·2		27·8	57·6	
9·4		46·0	29·5	9·5
9·0	37	3·5	56·2	
9·5		31·5	16·6	
9·4		56·5	39·8	
9·0	38	12·5	22·2	
8·0		23·5	19·2	7·5 GScl
8·9		28·0	9·9	8·8 Ga
9·5	39	13·5	14·6	
8·9		16·8	40·8	
8·4		20·8	51·1	8·8 –
9·2	40	23·3	48·9	
7·5		34·3	49·7	7·5 GScl
9·3		42·3	36·9	
8·9		53·3	20·4	
9·2	41	22·3	1·5	
9·4		52·8	55·4	
8·4	42	31·8	46·0	a
8·9		37·3	44·0	a
9·3	43	3·3	19·2	
9·4		11·8	6·0	
9·5		20·8	4·8	
8·9		28·8	31·7	
8·7		31·3	40·7	8·5 a
9·0	44	15·8	19·7	G
9·3		15·8	31·1	
9·1		38·3	35·8	9·0
8·6		49·8	36·4	8·5 a
8·7	45	6·3	38·3	8·8 Ga
9·0		36·8	23·3	9·5
8·9		43·3	5·7	
8·9		43·3	31·9	9·5
	+ 1	29·2	—4·9	

5581—5640.

mag.	15^h m	s	—24° ′	
9·5	45	55·8	33·8	
5·2	46	6·3	57·2	5·2 GSμβ
6·2		25·8	9·5	6·0 GSπβ
9·1		30·8	52·1	9·1
9·2		35·8	52·1	
9·5		37·3	49·9	
9·5		54·3	39·8	
9·4		54·8	46·3	
9·5	47	3·3	48·3	
6·5		9·4	52·3	6·5 GSμβ
9·4		16·9	27·7	
9·2		37·4	24·7	
8·5		53·9	17·9	a
9·5	48	4·9	19·9	
8·8		10·9	14·7	
8·7		16·9	18·7	a
9·2		18·4	50·2	
9·2		44·0	59·8	
9·2		49·9	29·6	
9·4	49	6·4	40·0	
8·7		25·4	45·6	
9·5		28·1	37·2	
9·2		33·9	54·0	9·4
9·4		39·1	39·0	
8·4		44·9	53·3	8·6 a
9·5		48·9	51·8	
9·2		51·4	7·7	
9·3		54·9	32·4	
9·0		57·9	13·5	
8·7	50	3·4	32·4	
9·1		6·9	8·4	
9·0		10·9	2·7	–
5·8	51	5·4	28·0	6·0 GScl
9·1		11·9	7·7	
9·0		15·4	9·6	
9·5		21·9	39·7	
9·4		23·4	38·1	
9·0		29·9	6·5	–
9·2		37·1	11·6	
9·2		38·4	28·3	
8·4		59·9	45·4	9·0 a
8·9	52	23·4	11·7	
9·2		30·9	48·2	
8·3	53	24·4	26·1	8·0 a
7·9		55·8	50·6	Gal
9·4	54	20·1	35·3	
9·4		30·9	22·2	
9·5		44·4	53·8	
9·4		47·1	21·3	
9·3		48·2	31·0	a
8·2		57·6	13·8	8·5
9·2		58·4	34·7	b
9·0	55	8·4	30·5	a
9·2		16·4	46·6	
7·4		22·4	39·7	7·5 Gal
9·6		27·9	28·3	
8·2		44·4	18·7	9·5 W–
9·6		54·9	27·5	
7·8	56	24·4	22·7	7·2 GSbc
9·6		31·4	38·0	
	+ 1	29·6	—4·5	

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5641—5700.

mag.	15h.–16h. m	s	—24° ′	
7·9	56	48·4	55·7	8·5 a
9·0	57	6·5	35·5	b
9·6		9·0	41·1	
9·6		15·4	41·7	
9·6		52·5	24·3	
9·4		57·5	12·8	
9·6	58	29·0	50·8	
8·6		54·5	35·7	8·5 G≡
9·0	0	4·0	25·4	
9·6		13·6	14·6	
6·6		22·1	7·4	7·0 GScl
8·7		33·1	35·2	
9·2		42·1	16·0	
9·6		45·6	22·2	
9·6		48·6	16·6	
8·2		49·1	47·5	8·5 –
8·7	1	22·6	25·5	9·0
8·7	2	22·6	23·6	8·3 Ga
9·5		32·6	58·5	
6·7		39·6	15·0	7·0 GScl
9·6		40·9	59·0	
8·2	3	6·6	38·6	8·5
9·6		9·1	22·3	
9·6		27·6	21·8	
8·6		29·1	47·3	8·0
9·0		58·6	25·6	9·0 a
8·9	4	42·1	46·0	
9·0		53·1	46·6	9·0 a
9·2	6	2·1	32·0	
9·2		10·6	11·1	9·0
7·0		15·1	6·0	6·8 GSac
8·2	7	36·1	16·2	8·5 a
7·8	8	13·6	48·2	8·0 Wa
9·2		22·1	1·5	9·5
8·2		49·6	44·9	8·3 a
7·8		52·6	40·4	8·0 a
8·5	9	11·1	55·0	9·0 a
8·4		15·1	36·2	8·7 a
9·6		16·1	30·2	
9·6		20·1	14·6	
9·3	10	0·1	7·6	
9·6		9·1	43·9	
9·6		10·1	44·8	
8·9		21·6	34·3	9·2 a
9·0	12	2·9	31·9	9·2 a
8·1		33·4	3·6	8·6 a
9·0		47·4	48·7	8·8 Ga
8·6	14	22·9	41·2	9·2 a
9·5		24·7	11·6	
8·8		48·4	3·9	9·2 b
8·2	15	4·9	5·1	8·9 b
9·0		18·9	18·9	
8·6	16	46·9	43·9	8·2 ≥
9·8	17	46·8	9·5	9·8
8·0		51·8	10·5	8·2 Wa
9·8	19	38·3	48·7	
9·1		56·8	52·0	9·5 a
7·7	20	51·8	27·9	8·0 Ga
8·0	21	26·3	15·0	7·6 GWa
10·2	22	0·3	35·6	
25pr.	+1	30·2	—4·0	

5701—5760.

mag.	16h. m	s	—24° ′	
7·7	22	19·8	42·1	8·0 Ga
7·4		23·8	52·2	8·4 GStπ
4·7		36·8	50·3	5·4 GSπβ
9·6	24	6·8	8·8	9·5 a
9·1	25	28·8	51·7	9·3 a
8·4	26	18·1	1·4	8·8 GWal
8·6		36·8	44·0	8·5 Ga
9·1	27	19·6	57·8	
9·2	28	19·8	54·2	8·8 a
9·8	29	55·5	33·5	
9·0	30	38·5	37·9	9·5 a
9·4		44·6	58·7	
9·4		46·8	58·5	
10·2	31	13·5	43·5	
10·2		25·5	55·4	
8·8	32	4·5	45·5	8·5 a
10·2		24·0	50·0	
10·2		35·0	58·3	
8·0	33	52·5	9·3	8·3 Wal
6·5	34	2·5	13·3	6·3 GScl
10·2		22·0	35·9	
8·8		33·5	34·5	8·5 Wa
10·2		57·5	23·3	
9·4	35	22·5	59·1	10·0
9·8		26·0	51·6	9·5
9·1		54·5	48·1	a
10·2	36	8·1	59·7	
9·2		10·1	58·9	b
9·6		17·5	50·3	
9·6		53·5	14·6	
10·2	37	0·5	40·3	
8·7		7·1	58·7	9·0 a
10·0	38	2·0	49·7	
10·2		33·5	47·7	
9·8		49·0	45·5	
10·0		57·0	47·5	
10·0		58·0	36·3	
10·0	39	4·5	12·9	
9·3		9·0	38·3	9·5 a
10·2		33·0	44·6	
8·8		45·7	28·6	9·5 a
9·6	40	3·7	47·1	a
10·0		4·0	25·1	
9·6		26·4	29·5	
8·3		37·9	18·0	7·0 GSlπ
10·0		42·4	43·5	
10·0	41	12·4	50·8	
9·2		22·4	45·7	8·8
9·4		31·4	41·0	
8·1		56·9	51·0	7·7 Gal
8·5		58·4	26·1	9·0 Wa
7·2	42	7·6	25·1	6·8 GSμβ
9·3		13·1	5·6	10·0
9·6		19·6	13·3	Gk
8·2		52·6	17·7	8·8 Ga
7·7	43	43·6	37·1	7·8 GScl
9·2	44	8·6	28·9	
9·3		24·1	34·3	
10·0		47·6	29·2	
9·3	45	56·1	12·5	9·5 G
	+1	31·0	—3·0	

5761—5820.

mag.	16h.–17h. m	s	—24° ′	
9·3	45	56·1	54·7	
9·8		56·6	28·3	
7·9	46	19·1	51·7	8·5 Ga
10·0		27·1	44·8	
10·0		29·6	54·8	9·5 Ga
8·5		33·6	16·0	9·5
10·0		58·1	7·5	
8·0	47	21·6	18·0	8·2 Ga
9·2		54·1	14·4	
9·4	49	42·1	14·9	
9·2		44·1	22·5	
7·9		58·1	20·1	8·5 Ga
9·1	50	6·1	49·9	8·8
8·5		14·1	43·0	9·5
9·8		44·1	9·3	
8·8		44·6	12·0	9·0
10·0		53·1	12·7	9·5
8·4	51	25·6	11·4	10·0 –
10·0		26·6	34·7	
9·3		41·6	53·9	
9·0	52	13·3	58·9	9·5
7·8		19·1	54·1	6·0 GSμβ
8·5		21·6	0·8	9·5 a
6·4		30·1	47·8	6·5 GSμβ
10·0		32·1	32·9	
9·4	54	1·0	45·1	9·0 b
9·2		1·0	55·9	9·5
8·2		23·0	52·4	8·5 al
9·8		23·2	57·3	
10·0		28·0	50·9	
8·5		38·0	19·0	8·0 G=
9·8	55	27·0	18·3	
10·0		30·5	26·1	
10·0		33·0	8·6	
8·8		39·5	48·8	8·0 Ga
8·2		53·5	3·6	7·8 GScl
9·6	56	3·0	31·1	
10·0		4·5	6·0	9·2 W
8·5		5·5	39·2	a
9·6		15·5	39·8	a
8·5		21·0	6·8	8·8 Wb–l
9·8		32·0	51·6	
8·0		52·0	3·7	7·8 GScl
10·0	57	38·0	5·7	9·5
8·6		53·5	23·0	8·5 b=l
9·1		56·5	18·2	
9·0	58	58·5	32·2	9·0
9·4	59	10·5	36·8	
8·2		15·0	23·2	9·0 al
9·4		44·0	27·3	
8·6	0	3·0	19·8	
8·5		8·0	36·3	9·5 b
7·9		16·5	49·9	7·5 GScl
9·4		23·0	58·6	
9·3		33·0	3·0	
9·0		36·0	17·8	
10·0		39·0	22·7	
8·8	1	3·0	15·4	9·5 Wb
10·0		15·6	58·7	10·0
9·2		33·0	40·6	
	+1	31·4	—2·3	

5821—5880.

mag.	17h. m	s	—24° ′	
9·4	1	37·7	11·7	GW
10·2		52·9	52·8	
10·2	2	3·4	49·1	
9·6		17·2	19·5	
10·4		51·9	4·2	
10·4		53·4	42·2	
10·4		55·9	4·5	
10·4	3	0·1	40·7	
9·8		2·9	29·5	
7·9		10·4	47·2	7·7 Gal
9·5		30·4	38·8	
10·4		34·4	0·4	
8·4		41·4	52·3	8·5 Gal
10·2		42·4	38·5	
9·5	4	12·9	25·8	
9·5		47·4	24·2	
9·8	5	6·4	46·1	
10·0		6·4	4·2	
9·6		17·4	18·3	–
9·5	6	2·4	45·4	
10·4		26·4	39·0	
9·0		38·9	13·6	
10·0		47·4	10·3	
10·2		56·4	0·1	
10·0	7	1·1	44·0	
9·8		16·9	42·2	
8·8		21·4	34·8	a
9·6		47·4	50·8	9·0
8·8	8	3·4	50·5	9·5
9·8		22·4	15·3	
9·0		34·4	10·0	9·5 =
8·8		43·4	50·2	9·5 –
9·8		56·9	33·1	
10·4	9	23·4	10·7	
9·2		31·4	40·3	9·0 a
10·0		41·4	25·4	
8·8		53·6	58·0	9·0 a
10·4	10	7·7	35·0	
6·3		23·2	8·8	5·5 GSμβ
10·1		31·2	17·6	
9·5		32·2	13·4	
9·6	11	16·2	17·9	
9·0		35·7	21·9	9·0 G=
10·4		35·7	23·5	9·5
10·4		57·7	54·1	
9·6	12	16·7	42·4	
9·4		59·7	34·4	
8·4	13	4·7	8·4	9·0 a
8·8		15·2	50·5	9·5 –
9·1		16·2	25·1	b
8·8		26·7	33·2	a
8·8		44·7	40·5	b
7·6	14	2·2	46·7	7·0 GSμβ
10·2		12·2	44·4	
9·2		12·7	55·9	9·5
3·3		19·2	52·2	4·0 GSμβ
10·0		30·2	36·0	
8·4		37·2	49·8	8·5 Wb–l
10·4		53·2	46·9	
9·8	15	18·2	3·5	
	+1	31·7	—1·9	

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5881—5940.

mag.	17ʰ m	s	—24° ′	
10·4	15	22·2	50·1	
7·4		29·2	58·7	7·5 GSlπ
10·0		29·5	53·1	
8·8		32·2	17·7	
10·2	16	13·5	44·2	
9·2		34·7	50·2	9·5 a
9·8	17	2·5	41·3	
7·4		28·5	7·6	7·3 GSμβ
10·4		31·5	59·8	
9·5		32·0	23·1	
8·2		32·0	29·1	8·5 –
10·4	18	4·5	38·4	
10·4		7·0	25·6	
10·0		26·5	27·7	
4·8		45·0	3·4	4·3 GSμβ
10·0		59·0	34·4	
9·8	19	1·0	10·8	
8·8		13·5	16·0	a
9·8		30·0	21·3	
10·4		43·0	52·6	
8·4		57·0	33·4	9·0
8·8	20	6·0	36·9	9·5 b
10·0		25·5	39·8	
10·4		44·5	37·8	
10·4	21	16·0	38·5	
8·6		22·0	13·8	8·5 a
8·3	25	21·9	13·5	8·5 Ga
9·1		22·9	57·2	9·5 Ga
9·3		33·9	3·0	9·0 a
10·2		44·4	2·5	
10·2		48·4	2·9	
9·5	26	33·9	47·0	8·2 Ga
10·0	27	26·9	52·5	
8·0		53·9	32·4	8·0 GWlπ
10·2	28	7·9	13·7	
8·6	29	35·9	30·8	8·5
9·1		40·4	28·9	9·2
9·6	30	6·9	43·2	G
10·0		7·9	38·0	9·0
8·5		13·9	53·2	8·5 GWal
9·3		20·9	52·3	
9·3		32·9	12·5	
9·6		43·9	16·7	
9·4		44·4	20·6	
10·2	31	37·4	16·0	
10·2		45·4	4·8	
[illegible]	32	5·9	23·3	
9·4		32·9	13·0	
10·2		46·0	16·0	
10·1	33	0·0	4·2	
9·5		21·0	47·4	
10·0		23·0	48·1	
10·0		33·5	21·6	
9·5	34	48·0	56·0	
[illegible]		51·5	13·5	9·5 –
[illegible]	35	18·5	29·3	10·0
[illegible]	36	45·0	1·3	
[illegible]	37	3·5	9·2	
[illegible]		13·5	37·5	
[illegible]		18·0	9·0	9·0 a
	+1	31·9	–1·2	

5941—6000.

mag.	17ʰ m	s	—24° ′	
10·0	37	23·5	25·3	
10·2		44·5	58·0	
9·8		48·5	2·3	
9·3	38	24·5	49·1	9·5
10·0		30·5	3·0	
9·1		31·5	41·2	
9·0		46·5	5·3	8·5 a
10·0		49·0	59·1	
10·2	39	8·5	33·6	
9·1		18·5	51·7	9·0 a
9·1		21·0	1·9	9·5 a
10·1		22·5	47·8	
10·2		23·0	30·3	9·5
9·3		33·5	52·2	
9·8		51·5	13·0	
9·7		53·5	46·1	
9·8	40	22·0	9·1	
9·8		26·0	25·8	
9·8		33·5	16·7	
9·8	41	15·5	17·0	
9·1		29·5	47·3	–
9·3		31·5	11·7	10·0
8·8		37·0	17·8	9·5 a
9·1	42	5·8	24·8	a
9·8		13·3	40·2	
8·3		18·8	9·8	7·5 GScl
9·7		25·8	50·1	
10·2		28·3	47·2	
10·0		33·3	47·4	
9·6		38·8	23·6	
9·0		48·3	48·7	8·0 Gb≡l
9·5		56·3	31·2	
10·0		57·3	30·9	
10·2	43	1·3	44·8	
10·0		15·8	50·4	
9·6		19·3	30·1	
9·5		21·3	43·4	10·0
10·2		33·3	57·9	
8·8		36·3	28·2	9·0 a
9·5		48·8	50·0	
10·2	44	22·3	59·1	
9·2		24·3	49·5	10·0
10·1		36·3	12·4	
10·0		36·3	35·4	
10·1		47·8	31·4	
10·1		50·3	34·3	
9·8	45	3·3	49·9	10·0
10·2		4·3	18·4	
9·8		9·3	53·2	
9·4		16·3	14·4	
9·3		16·3	11·0	9·0 a
9·0		18·8	28·0	
8·4		20·3	38·7	9·0 am
10·2		32·8	15·0	
9·0		46·3	14·0	a
8·8		47·3	44·6	9·0 a
10·0		48·3	56·0	
9·8		52·5	57·3	
9·6		53·3	7·0	9·0
9·2		56·3	24·2	
	+1	32·0	–0·6	

6001—6060.

mag.	17ʰ m	s	—24° ′	
9·1	46	15·8	33·0	a
9·1		22·5	43·2	9·5
9·5		32·9	46·7	
10·1		35·9	50·0	
9·8		39·6	22·6	
9·6		41·9	48·9	
9·9		45·6	42·1	
9·6		51·9	39·9	
10·2		54·4	37·3	
9·8		56·3	48·1	
9·8		56·9	59·7	
10·2	47	0·7	59·7	
10·2		4·4	38·7	
9·1		7·4	41·3	
9·8		10·4	27·8	
10·2		11·9	44·5	
7·0		12·9	51·6	6·5 GSπβ
10·2		15·4	44·0	
9·7		17·1	33·8	
10·4		21·7	52·9	
9·2		22·2	44·7	
9·5		24·0	10·4	9·5=
10·4		43·7	53·1	
10·4		47·7	45·2	
10·3		53·7	12·5	
9·0		56·5	2·0	9·5–
10·4	48	0·5	37·3	
9·0		3·5	30·0	a
9·2		6·5	29·6	a
9·4		17·0	56·9	
10·3		18·5	5·1	
9·6		51·5	11·1	9·5
9·2		52·0	33·7	
9·6		52·0	43·6	
10·3		53·5	23·6	
9·2	49	13·5	39·9	a
10·0		14·5	17·0	
8·2		20·5	24·1	9·0 am
10·3		26·5	29·9	
8·4		28·3	58·9	9·0
10·4		36·5	34·2	
10·4		44·0	41·1	
10·4		49·0	35·4	
10·0		55·0	28·6	
9·5		55·5	37·6	a
10·4		59·0	39·4	
9·6	50	0·5	50·8	b
10·2		3·5	49·1	
9·0		5·0	45·9	b
10·4		6·2	58·3	
9·9		6·5	39·8	
9·5		13·5	15·0	9·5
9·6		16·0	59·4	
10·2		18·5	34·5	
9·4		27·0	49·1	
10·3		28·0	35·3	
9·9		28·5	16·5	
10·4		36·5	45·3	
9·2		49·5	0·1	9·5
8·9		52·0	24·0	9·5
	+1	32·0	–0·4	

6061—6120.

mag.	17ʰ m	s	—24° ′	
9·2	50	52·5	45·9	
10·4		53·5	53·8	
10·4		56·5	29·9	
9·9		58·2	39·9	
9·9		58·5	39·7	
9·2	51	0·0	11·6	
10·2		1·0	47·4	
10·4		3·2	13·2	
10·0		14·2	0·4	9·0
10·0		15·2	36·5	
9·9		22·5	1·9	
9·2		30·2	24·8	
9·6		40·7	41·9	
10·4		41·7	2·6	
9·8		43·2	19·2	
9·6		46·7	18·6	
10·4		52·2	28·9	
10·2		53·2	59·6	
10·4		56·2	42·5	
10·4	52	3·2	57·6	
10·3		12·7	53·0	
10·2		17·7	49·2	
9·8		30·2	15·7	
7·7		32·2	16·2	7·5 GSμβ
9·8		32·2	57·1	
10·0		37·4	58·9	
9·6		37·7	34·5	
10·4		52·2	44·3	
9·9		56·2	33·2	
8·2	53	2·2	40·1	9·5 am
8·2		10·2	46·7	9·0 am
8·0		12·7	12·1	Wa
8·4		22·2	8·7	9·0 Wa
10·4		25·7	4·5	
10·4		29·2	59·7	
9·2		39·2	37·4	8·5 a
9·0		43·7	18·8	9·0
10·0		44·2	44·7	
9·6		48·2	45·9	
10·2		52·2	48·2	
9·4		52·7	7·7	
10·3	54	6·2	49·9	
10·4		7·2	30·8	
9·9		8·5	32·8	
7·8		11·5	9·1	8·5 Wal
8·8		12·0	21·6	8·5 Ga
9·3		13·0	18·3	8·0 G
8·8		22·5	39·7	
10·0		23·0	25·8	
9·8		25·0	45·0	
10·2		33·5	47·9	
8·5		37·5	51·9	8·0 Gam
10·4		38·4	59·9	
10·3		45·5	48·9	
10·3		48·0	30·7	
10·2		48·0	39·6	
9·2		54·0	35·4	
7·6		59·0	15·1	8·0 GWlπ
10·3		59·5	38·0	
9·0	55	0·0	2·9	
	+1	32·0	–0·3	

6121—6180.

mag.	17h. m s	−24° '	
8·4	55 0·5	14·6	9·0 Wa
8·8	2·0	33·3	
9·6	9·0	53·6	
9·6	9·0	38·8	a
9·2	10·5	32·8	
6·6	12·0	16·6	6·0 GSμβ
9·3	13·5	20·0	
9·4	16·0	3·9	
10·4	18·0	18·9	
10·4	22·0	14·3	
9·6	28·0	37·8	a
10·3	42·5	21·9	
9·2	43·5	14·3	
9·3	47·2	0·2	
9·8	48·0	59·0	
9·5	52·0	1·1	
neb.	56 1·5	22·6	
9·9	2·5	57·4	
10·3	3·5	29·5	
9·0	4·5	21·9	10·0
10·0	6·5	21·7	
9·6	7·0	16·7	
9·9	11·5	21·0	?
6·6	13·0	21·6	6·5 GSμβ
9·0	13·2	0·2	
7·5	17·2	18·7	8·0 GSlπ
10·3	21·7	26·5	
9·3	22·7	53·2	
9·6	22·7	52·0	
9·8	27·7	19·5	
10·4	29·7	15·8	
9·6	31·7	21·8	
9·6	32·7	21·8	
8·4	35·2	14·7	9·5 W
10·2	35·6	5·8	
8·6	35·7	23·5	9·0
8·2	35·7	11·1	8·0 GWbl
10·4	36·2	28·7	
10·3	37·2	17·3	
9·0	41·7	14·0	
8·5	41·7	21·4	9·0
9·2	42·7	22·2	
8·3	42·7	26·3	
9·0	43·7	21·5	
9·3	43·7	21·1	
10·4	44·6	27·8	
10·2	45·7	22·8	
9·0	45·7	20·9	
7·7	45·7	23·3	8·0 GSb
9·3	47·2	22·9	
9·2	47·7	42·8	a
8·1	48·2	21·8	Wb
9·6	48·7	25·5	
8·7	49·2	19·5	
10·4	50·7	43·1	
9·6	52·7	18·9	
8·7	52·7	23·4	
8·2	53·7	9·8	9·0 —
8·9	54·2	22·1	
8·5	55·7	26·9	9·0
25pr.	+1 32·0	−0·1	

6181—6240.

mag.	17h.–18h. m s	−24° '	
9·8	56 56·5	2·3	
8·3	56·7	20·0	a
10·3	59·2	24·3	
10·2	59·7	19·5	
9·8	57 0·2	22·9	
8·6	2·2	21·1	
9·6	2·7	18·7	
10·2	5·2	13·9	
10·3	6·5	28·5	
10·4	13·0	17·9	
10·4	13·0	19·5	
9·5	13·0	49·0	
10·4	16·0	42·8	
7·4	17·0	41·1	Ga
9·6	18·5	27·5	
10·4	19·5	43·8	
10·4	23·5	1·5	
9·4	26·0	49·0	
10·4	26·0	30·1	
9·6	29·0	6·9	
7·3	31·0	24·1	7·0 GSlπ
10·4	31·5	45·9	
8·6	51·0	12·5	
10·2	51·5	43·9	
10·4	58 0·0	12·0	
9·6	3·5	49·8	
10·4	20·5	16·6	
7·7	25·5	12·2	8·5 Waml
9·2	25·5	19·4	
10·0	27·5	26·4	
10·4	31·5	31·4	
10·4	36·5	0·4	
9·3	37·5	46·0	
10·0	43·5	4·7	
10·4	45·5	14·7	
9·8	46·5	47·1	
8·6	51·0	10·0	9·0 GWam
10·4	58·0	3·1	
10·4	59 5·0	36·9	
10·0	7·0	19·0	
10·0	20·0	27·7	
8·8	22·5	20·0	9·5 a
10·4	34·3	23·8	
9·2	38·3	16·3	9·0 bm
10·4	59·3	12·0	
9·8	0 5·3	50·0	
9·8	8·8	1·0	
9·9	12·3	12·1	
10·0	16·3	22·4	
10·3	18·1	1·8	
10·4	18·3	36·7	
10·0	23·1	59·3	
10·0	25·8	55·0	
9·2	26·8	54·3	
9·4	35·3	25·6	9·0 a
10·4	38·1	59·0	
9·6	55·3	9·8	
10·4	1 5·8	13·8	
9·3	14·3	22·3	9·0 a
10·4	20·3	37·0	
	+1 32·0	−0·1	

6241—6300.

mag.	18h. m s	−24° '	
10·4	1 21·8	41·0	
9·6	24·3	33·5	
9·9	25·3	10·8	
10·2	26·3	43·7	
9·2	36·8	42·8	
10·3	36·8	5·9	
7·4	39·3	0·3	7·5 Gtlπ
9·2	40·3	50·2	
9·2	43·8	32·6	
10·0	47·3	32·5	
10·0	49·8	20·8	
8·6	51·8	40·9	am
10·4	53·8	29·0	
10·4	55·8	43·8	
9·2	2 0·8	44·0	Gka
10·3	8·3	7·5	
9·9	15·5	26·0	
9·0	17·5	7·5	
9·8	19·5	7·9	
10·0	30·0	48·2	
10·3	45·0	56·1	
9·2	45·5	27·2	
9·2	49·5	28·4	
10·3	3 8·0	42·9	
9·6	8·5	54·6	
10·0	26·5	10·8	
9·6	39·0	10·9	
10·4	52·5	23·8	
8·8	4 1·0	5·0	9·5 a
9·5	1·0	28·5	G
10·4	5·0	4·8	9·5
8·8	5·4	1·0	9·3 a
9·9	10·0	42·1	
10·4	21·5	52·2	
10·3	21·8	58·9	
8·8	25·5	7·6	9·5
10·3	29·5	52·3	9·5
10·4	30·5	23·9	
8·7	5 5·5	40·2	9·5 G
9·8	6·0	3·1	
9·0	7·5	30·7	9·0 Gm
10·4	39·0	26·9	
10·2	41·8	59·0	
10·4	52·5	9·2	
8·3	53·5	37·4	Gka
10·2	56·0	11·5	
9·0	56·0	18·6	8·5 a
10·0	57·5	11·9	
10·0	6 4·5	7·7	
10·2	7·5	54·2	
10·3	9·0	23·3	
10·3	9·5	12·6	
8·8	15·0	26·4	9·5
9·3	17·5	20·0	10·0
10·3	19·5	50·8	
10·0	27·1	31·2	
10·4	31·1	11·8	
9·3	35·6	14·6	
9·2	54·6	35·9	9·5 Ga
10·3	54·6	47·3	
	+1 32·0	+0·1	

6301—6360.

mag.	18h. m s	−24° '	
9·9	6 55·6	44·9	G—
10·0	7 16·1	47·4	
10·0	16·6	38·9	
9·2	19·6	32·2	10·0 G
9·8	21·8	57·0	
8·1	28·1	2·1	8·2 Gatπ
9·8	44·6	8·2	
10·2	45·6	12·0	9·5
8·9	50·1	10·1	9·5
9·8	50·6	41·4	
10·2	53·8	58·2	
9·8	57·1	10·3	
9·9	8 1·6	7·8	9·0
10·2	16·6	29·1	
9·9	17·1	38·7	
9·2	17·1	34·0	G
10·3	21·1	12·5	
10·3	22·1	24·1	
10·0	27·1	0·7	
9·9	31·1	46·1	
9·8	35·1	0·6	
10·4	38·4	22·6	
10·3	48·4	12·6	
9·2	50·1	36·1	
9·9	58·5	29·8	
9·8	9 4·8	2·9	9·0 a
10·0	9·2	4·3	
10·3	10·4	26·5	
10·2	15·4	40·9	
9·0	15·9	42·9	
8·8	28·9	1·1	9·5 a
8·8	45·3	26·4	
9·9	50·0	15·8	
9·9	10 26·7	37·6	9·0 a
10·2	28·2	4·9	
10·2	34·0	8·0	
8·8	35·7	23·9	9·5 a
10·0	39·2	20·8	9·5
10·2	39·7	56·6	
10·0	52·7	6·4	
10·2	52·7	44·0	
10·0	56·7	36·0	
8·8	11 0·2	26·0	10·0
9·0	19·5	32·3	
10·2	20·5	17·4	
10·2	22·5	11·2	
9·4	39·5	21·6	10·0
9·1	46·0	40·2	a
10·2	56·5	40·1	
10·2	58·0	58·6	
10·2	12 4·0	25·2	
8·8	19·5	38·8	9·5 am
9·6	19·5	19·2	
8·6	28·5	59·6	9·5 a
9·0	41·0	9·4	
9·5	48·3	1·5	
9·5	49·5	14·4	
9·6	49·5	17·9	
9·1	13 20·6	11·2	
10·2	32·1	14·1	
	+1 32·0	+0·[illegible]	

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6361—6420.

mag.	18^h. m	s	—24° ′	
9·8	13	42·1	36·7	
8·0		49·1	58·2	7·0 GScl
8·8		57·5	2·5	—
10·2	14	5·1	35·0	
10·0		5·6	27·5	
10·2		9·6	19·5	
9·8		18·6	23·8	
9·5		26·1	29·2	
9·6		29·1	46·0	
8·4		32·6	57·7	9·0 a
9·5		36·1	41·2	
9·5		41·1	11·8	9·0
10·0		48·6	47·3	
10·2	15	34·1	30·0	
9·6		42·1	4·8	9·5 M=m
10·0		44·[illegible]	16·8	
10·2		51·6	3·2	
8·8		53·1	20·8	9·5 a
10·0		56·1	19·2	
9·0	16	2·1	41·0	
8·8		18·8	49·9	9·0 a
10·2		41·3	36·6	
10·0		42·8	28·9	
8·6		50·8	26·8	9·0 am
neb.		50·8	56·0	
8·2	17	24·8	28·7	8·5 am
9·4		35·3	37·9	
9·0		58·3	28·8	10·0 Mm
9·8	18	12·3	7·2	
9·8		32·3	2·1	
9·5		58·3	54·6	
10·2	19	5·3	49·6	
10·2		8·3	44·9	
10·2		14·3	53·2	
9·8		17·0	37·2	
10·0		19·5	29·3	
9·5		31·5	5·2	9·5
9·0		33·5	53·7	—
9·5		37·5	6·9	
10·0		48·5	30·6	
10·2		55·5	30·6	
9·6	20	0·5	59·2	
9·2		2·5	39·6	
10·0		5·0	36·4	
8·3		24·5	38·1	8·5 Gal
10·0		56·0	3·1	
[illegible]	21	8·5	29·2	
9·5		16·0	26·6	
10·2		34·5	41·0	
9·0		36·0	41·2	
9·4		36·0	31·9	8·5 Ga
10·2		59·0	58·0	
9·6	22	9·0	36·2	
9·9		16·0	47·4	
10·2		32·5	39·0	
10·0		34·7	47·1	
8·2		45·5	8·6	8·5 Gatπ
[illegible]		48·0	34·0	
[illegible]		50·5	53·6	
[illegible]		51·5	53·4	
	+1	32·0	+0·7	

6421—6480.

mag.	18^h. m	s	—24° ′	
10·0	22	56·3	19·0	
9·6	23	1·3	33·5	
10·0		3·8	44·0	
10·2		11·8	7·2	
7·7		20·8	58·5	8·0 Gb≡l
9·8		28·3	52·4	
9·8		34·8	45·1	9·0
9·6		54·3	14·8	
9·4		57·3	48·9	
10·2		59·4	15·6	
9·8	24	5·3	5·5	
9·9		14·8	41·6	
10·0		24·8	15·6	
9·0		25·8	59·2	9·5
8·5		27·3	48·9	8·8 Mbm
10·2		38·5	10·2	
10·2		58·5	22·8	
10·0	25	9·0	27·1	
9·9		12·0	53·1	
7·5		35·5	11·8	7·5 GSπβ
10·2		38·0	4·5	
10·2		53·0	1·2	
9·9		57·0	8·2	G
9·0		57·0	9·9	8·5 Gam
10·0	26	4·5	53·0	
7·8		9·0	12·8	8·0 GSlπ
7·6		15·0	7·4	6·0 GSμβ
7·6		54·0	18·8	7·0 GSμβ
10·2	27	3·2	35·6	
9·6		18·5	47·0	
10·0		34·5	32·9	
10·2		56·0	31·5	
10·2		59·0	8·0	
9·8	28	7·5	23·7	
10·2		13·0	4·4	
9·0		16·5	35·0	9·5
10·2		24·2	59·5	
9·0		27·7	31·9	8·5 am
10·2		34·2	14·9	
8·8		43·7	44·4	
neb.		44·7	0·2	G
8·6		47·7	57·7	9·0 M=m
10·2	29	0·7	27·4	
8·8		3·7	9·7	9·5 a
9·2		7·7	55·0	9·0 =
10·2		19·2	49·9	
10·2		39·7	32·8	
10·2		43·2	34·8	—
9·2		55·2	41·1	
9·6	30	7·7	8·8	
9·1		24·7	9·0	
10·2		30·7	47·1	
10·0		33·7	17·6	
10·2		35·2	23·0	
9·6		36·2	27·9	
10·2		42·7	15·7	
10·2		54·7	55·8	
9·1	31	15·5	48·8	9·2 ≡
10·1		16·5	19·6	
9·5	32	36·8	24·5	10·0
	+1	31·9	+1·0	

6481—6540.

mag.	18^h. m	s	—24° ′	
9·6	32	43·8	16·4	
10·0		55·8	15·0	
8·8	33	0·8	12·7	a
9·8		27·3	35·3	
9·6		30·3	9·9	
9·0		37·3	43·3	
9·1		46·8	2·2	9·5 G
10·0		55·8	29·1	9·5
7·9	34	11·3	28·1	8·5 Gal
10·2		32·3	8·6	—
9·8		33·8	31·9	
8·8		38·8	50·1	9·5 a
10·0		46·3	44·7	a
10·0		47·2	23·4	
10·0		57·3	15·9	
10·1	35	9·3	57·8	
7·6		19·8	5·3	8·0 Gal
9·5		25·8	26·1	9·5 a
9·4		46·8	34·1	a
8·8	36	0·8	37·5	9·0 a
10·1		7·3	53·9	
10·1		13·3	12·1	
8·8		22·8	49·3	9·5 —
9·6		26·8	19·9	
9·4		36·3	17·0	
9·4		42·8	27·8	
9·5		43·8	27·5	
10·0		47·3	53·4	
9·6	37	5·8	53·6	
9·5		15·8	18·2	
8·8		15·8	16·1	
10·4†		31·3	0·2	
9·5		32·8	24·8	=
10·1		41·3	53·6	
10·0		42·3	18·7	
10·1	38	32·8	32·8	
9·0		45·6	2·2	9·0 a
10·0	39	27·3	16·9	
9·0		51·8	38·8	
8·8		52·8	27·1	8·5 G=
10·0	40	21·8	28·1	10·0
9·0		23·3	30·3	9·5 Ga
8·5		30·3	54·4	8·8 Gam
9·5		35·3	41·6	
9·8	41	15·8	11·4	
9·5		50·8	32·3	a
8·5		51·8	40·7	9·0 aml
9·5	42	26·8	22·3	
8·6		32·3	46·7	8·5 Gaml
9·6	43	18·3	39·1	
8·6		29·8	31·7	9·0
10·1		42·8	40·3	
8·6		55·8	30·0	8·0 G—
8·6	44	12·3	47·9	8·0 Gb≥l
9·4		13·3	21·9	8·5 Ga
8·8		41·8	9·1	Gk
9·8		50·8	14·4	
10·4†		55·3	1·5	
10·1	45	13·3	34·7	
8·8		42·8	43·9	9·0 a
	+1	31·8	+1·3	

6541—6600.

mag.	18^h. m	s	—24° ′	
8·5	45	49·3	8·5	8·8 GM≡m
10·1		51·3	23·4	
7·4	46	42·8	55·3	7·5 Gaml
8·6		52·3	51·8	8·5 Gaml
9·6	47	11·8	32·1	
10·0		32·8	10·3	
9·6		41·8	26·9	
10·1	48	10·3	56·2	
9·0		21·3	56·2	9·5 am
9·2		46·3	2·6	
8·3	49	3·8	46·8	7·8 Gam
9·0		5·3	9·8	9·0
9·0		15·8	29·9	
8·8		17·3	31·0	
8·8		32·6	1·7	
10·1		43·6	13·1	
9·4	50	27·6	45·8	
10·1		37·1	55·6	
9·2	51	26·6	52·6	
8·3	52	15·6	34·0	8·0 GMm
10·1		25·6	52·4	
9·8		40·6	33·5	9·0 GMm
8·3	53	19·1	49·5	9·2 a
9·8		49·1	23·0	
8·8		56·3	18·7	
10·0		59·5	19·4	
10·1	54	17·8	47·1	
9·8		26·6	42·5	
10·4		31·5	37·8	
9·5		32·8	45·0	
8·6	55	5·3	32·5	7·5 Gam
10·4		13·0	23·1	
10·2		22·5	54·2	
9·8		26·5	47·9	
10·2		37·5	55·9	
10·4		39·6	24·5	
9·4		49·5	42·7	
9·7		52·0	16·8	a
9·7		53·0	47·2	
9·4		56·0	53·7	
9·1	56	4·5	44·7	9·0 Mm
10·4		8·0	57·9	
8·8		12·0	6·8	8·5 Gam
10·4		18·0	7·6	
10·4	57	2·0	4·9	
8·4		22·0	51·1	8·2 Gaml
9·5		41·0	25·5	
10·4		49·0	21·5	
10·4		49·5	20·7	
8·4		59·0	51·6	7·7 Gtlπ
9·0		59·0	27·1	9·5 —
9·4	58	8·0	41·3	
10·4		37·0	57·9	
8·5	59	16·0	22·9	a
8·0		36·5	42·7	8·0 Gaml
9·0		39·0	3·5	=
9·1		40·0	19·2	
9·0		45·0	22·4	
9·6		46·0	4·1	
8·8		55·0	18·7	am
	+1	31·6	+2·0	

6601—6660.

mag.	19h. m s	—24° '	
10.4	0 6.0	13.5	
10.4	19.0	13.2	
6.6	36.0	51.0	6.5 GSπμ
10.4	46.0	14.3	
10.4	1 0.0	5.9	
9.2	10.0	36.5	am
10.4	19.5	54.8	
10.4	36.0	40.5	
9.2	45.0	37.1	
9.6	47.0	45.5	
9.8	54.0	2.6	
9.5	2 11.0	34.8	
9.0	12.0	58.2	
9.5	15.0	22.2	–
9.9	16.3	59.0	10.0
9.4	18.0	47.4	
9.2	37.0	22.8	
9.8	3 11.5	54.3	
8.2	23.0	23.1	8.0 Gaml
10.4	52.0	34.7	
9.7	52.5	5.9	
9.2	56.5	38.8	Mm
9.4	4 3.0	54.8	a
10.4	22.5	21.3	
10.2	38.5	5.4	
9.8	42.0	6.9	
10.4	44.5	18.0	
9.9	45.0	15.4	
8.8	46.0	11.6	9.5
8.6	50.0	31.1	9.5 am
9.6	54.5	4.7	
10.4	5 0.0	12.2	
9.2	1.5	37.7	
10.4	5.0	10.3	
7.4	8.0	41.5	8.0 Gaml
9.5	12.5	30.4	
9.2	37.0	58.3	
9.4	40.0	14.2	8.5
9.6	50.5	35.0	
9.5	53.8	57.3	9.5
9.7	57.5	43.9	
9.2	6 21.5	22.4	
10.2	38.0	55.2	
10.2	42.0	31.3	
9.9	59.4	45.8	
9.4	59.7	1.9	
10.4	7 15.4	16.4	
10.0	24.4	7.8	
10.4	26.4	4.5	
6.8	56.4	23.4	6.5 GSπμ
10.4	8 2.9	24.1	
9.2	15.9	3.8	
9.7	15.9	7.9	
10.4	17.4	8.2	
9.4	17.9	20.4	
9.4	19.4	17.9	9.0 –m
7.8	24.9	56.0	8.0 Gal
10.4	25.4	19.4	
9.5	26.4	44.6	
9.7	32.4	13.7	
25pr.	+1 31.4	+2.3	

6661—6720.

mag.	19h. m s	—24° '	
9.7	8 32.4	47.3	
10.4	9 9.4	15.3	
10.4	12.4	14.5	
9.2	15.4	20.1	
9.2	28.4	56.1	
9.9	30.4	9.2	
9.1	42.4	43.2	
9.4	45.4	3.7	9.0 M–m
10.4	10 6.9	2.4	
9.6	8.4	17.9	
10.4	9.9	51.7	
9.2	13.9	55.7	
9.8	18.9	52.1	
10.2	25.4	11.2	
9.2	51.4	50.7	a
10.4	59.4	10.9	
8.2	11 9.9	6.6	8.5 a
10.4	12.4	55.5	
10.4	13.9	11.4	
8.8	41.4	36.5	9.5 Mm
10.4	45.4	51.5	
9.8	12 6.8	56.5	
10.4	21.3	1.5	
9.9	31.3	36.3	
8.8	40.3	51.6	8.5 am
10.4	50.8	5.0	
10.4	13 1.3	56.2	
10.4	2.7	58.9	
7.6	5.3	26.1	7.5 GSlπ
9.5	8.3	14.1	
10.4	15.3	1.3	
9.6	16.3	3.1	
10.4	16.8	3.5	
8.5	20.8	4.0	8.8
10.0	32.8	33.0	
10.0	41.8	5.0	
10.4	14 2.3	42.1	
9.6	2.8	18.3	10.0
9.8	4.3	51.0	
10.0	15.3	7.7	
9.0	15.8	39.3	8.5 G≡
9.2	20.3	37.1	9.0 –
9.8	21.8	14.4	
10.2	52.8	46.5	
10.4	53.8	51.8	
9.6	15 1.7	56.8	
10.4	4.3	39.6	
9.4	9.8	26.1	
8.8	12.3	22.2	
9.9	20.8	34.3	
10.0	23.3	59.1	
9.7	42.8	17.0	9.5
9.0	49.3	27.2	9.0 =m
10.4	54.3	16.8	
10.2	16 14.8	52.5	
9.6	32.1	30.8	
10.4	37.3	58.4	
10.4	17 1.3	6.8	
10.4	1.3	47.2	
9.1	28.1	25.1	
	+1 31.2	+2.6	

6721—6780.

mag.	19h. m s	—24° '	
6.1	17 40.9	45.1	5.0 GSμβ
7.3	46.6	39.4	7.5 GWlπ
7.0	55.9	12.3	6.0 GSμβ
10.0	18 25.9	33.5	
10.3	26.4	35.1	
10.0	31.9	25.7	
8.0	19 22.9	17.6	8.0 Gbml
10.3	30.9	51.1	
9.6	37.9	15.9	
9.8	45.9	38.9	
10.3	20 2.9	1.2	
9.8	21.9	16.8	9.5 –m
9.8	23.4	47.4	
10.4	55.2	2.1	
9.6	21 5.9	54.6	=
10.4	12.9	37.2	
9.2	25.9	28.6	9.5 am
10.2	35.9	12.5	
8.8	42.9	34.7	9.0 am
10.4	46.4	30.9	
8.6	56.9	28.0	8.0 Gam
9.8	22 15.9	35.0	9.0 G
10.4	18.1	58.0	
8.6	30.4	57.0	9.0 Gam
8.8	23 1.8	50.3	8.5 Gam
8.2	20.8	12.6	8.0 Gb=l
10.4	29.8	29.5	
8.2	37.3	21.1	8.5 Gaml
10.2	24 4.8	49.5	
9.2	19.8	36.0	8.5
10.0	47.8	6.8	
9.6	25 32.8	31.7	–
9.8	56.8	57.4	
9.4	26 19.3	32.2	9.0 –m
8.8	45.8	18.6	9.0
8.6	45.8	53.8	9.0 =m
8.0	27 1.3	7.7	7.0 GSπμ
8.5	12.3	45.8	8.8 –m
10.2	14.3	10.6	
9.8	23.8	55.2	
9.2	27.8	38.0	9.0
9.0	51.8	48.6	8.8 Mm
8.6	28 21.3	38.8	am
5.8	26.0	59.5	6.0 GSμβ
9.0	47.3	13.8	9.0 –
9.4	59.8	49.5	8.3 Gam
10.3	29 16.3	29.3	
9.4	41.3	56.8	
10.3	54.8	54.2	
10.4	55.8	56.4	
10.3	30 9.9	50.2	
10.2	11.4	32.9	
9.2	19.9	8.3	
9.8	22.4	46.0	
10.3	32.9	15.5	
9.2	33.4	49.4	9.2–m
10.4	33.4	53.1	
10.4	49.9	45.5	9.5
9.4	58.4	23.3	9.2 a
8.6	31 42.4	27.5	9.0 Gam
	+1 31.0	+3.0	

6781—6840.

mag.	19h. m s	—24° '	
9.2	31 53.4	50.0	9.2 G–
10.2	57.9	14.0	9.5
9.2	32 1.4	51.8	10.0 G
8.6	3.4	25.3	9.2 Gam
8.6	17.9	54.6	9.5–
9.4	25.9	33.0	
9.4	30.4	20.0	9.0 b
8.6	33 6.9	46.8	9.0 G
8.6	15.9	36.9	–
8.8	27.4	12.8	9.0 a
9.6	34 2.9	26.8	
9.2	7.4	9.2	Ga
9.2	28.9	40.9	W
10.4	38.9	41.9	
9.2	35 2.9	49.0	Ga
8.0	3.4	40.2	8.0 GWal
9.8	6.9	43.4	
10.4	41.9	0.6	
9.2	37 2.9	42.2	=
10.2	6.7	21.2	
10.3	10.4	3.9	
9.8	46.4	53.8	
10.3	38 20.9	39.0	
9.8	41.8	54.1	
10.4	57.2	3.2	
10.4	39 1.2	46.8	
10.2	13.6	24.7	
10.2	14.6	1.8	
8.2	36.8	2.3	8.5 Gaml
10.2	39.1	56.5	
9.6	47.6	42.7	9.5 G
9.4	40 13.6	38.4	
9.6	30.1	44.1	
9.8	34.6	45.9	
10.0	50.1	43.6	
9.8	41 0.6	9.2	
9.6	30.6	27.9	9.5 G=
9.6	44.6	25.5	
8.0	42 25.3	1.9	8.3 GWal
9.0	43 4.6	45.7	
10.0	27.1	8.7	
10.2	33.6	28.7	
10.2	37.6	45.3	
10.2	38.6	20.5	
10.2	44 7.8	56.0	
10.2	13.2	13.0	
9.8	13.3	2.1	
10.0	19.3	22.9	
10.2	23.3	10.3	
10.2	23.3	19.5	
10.2	28.3	37.0	
8.0	32.3	45.3	8.5 Ga
9.6	37.3	55.0	
9.4	58.8	16.0	9.5 a
10.2	45 0.8	34.6	
9.4	19.3	12.0	9.5 Ga
9.6	24.3	7.0	
10.2	35.4	59.5	
10.2	43.8	27.4	
9.6	44.3	1.5	
	+1 30.6	+3 [illegible]	

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6841—6900.

mag.	19h m s	−24° ′	
10·2	45 54·2	23·7	
10·2	58·3	7·7	
10·2	46 7·3	10·1	
10·2	19·8	29·8	
9·3	33·3	49·1	9·5 G
9·0	38·3	49·9	8·2 G
10·2	44·8	13·8	
7·4	48·3	15·1	6·8 GScl
9·4	47 5·8	34·4	
10·2	23·3	33·2	
9·0	26·8	52·0	K
9·0	27·3	11·1	9·2
10·0	35·3	43·8	
8·6	40·8	13·9	8·0 GWal
8·8	48·3	17·8	9·5
9·4	48 4·7	2·2	9·0 Ga
9·8	44·3	30·1	
9·6	47·3	38·9	
10·0	52·3	45·7	
10·2	49 12·3	16·4	
10·2	22·3	17·3	
8·2	31·3	39·8	8·8 b–l
9·4	40·6	0·5	
10·2	53·3	3·8	
10·2	53·8	45·0	
10·0	50 24·3	41·3	
8·8	27·8	45·9	8·7 Ga
9·0	51 8·8	0·5	9·2 a
9·4	18·3	41·7	
10·2	23·3	26·3	
10·2	50·8	30·2	
9·8	52 2·8	46·8	9·0 G
9·6	10·8	53·8	
9·0	15·3	1·0	
9·8	16·8	55·6	
9·2	27·2	3·4	a
10·2	40·8	38·1	
8·0	50·8	17·6	8·7 Gam
8·8	53 18·8	31·5	Gam
9·3	19·3	56·6	
10·0	49·3	17·6	
10·2	53·3	25·3	
10·2	54 10·8	44·9	
9·4	35·8	29·0	
10·2	46·7	11·1	
10·2	50·8	51·9	
10·2	55 14·3	54·4	
9·0	16·8	23·7	
9·4	22·8	45·7	
10·2	38·3	6·6	
10·0	43·8	5·2	
10·2	56·3	17·6	
9·0	56 4·8	55·5	
9·4	18·3	45·6	G
9·0	24·3	46·6	9·5 G
9·1	32·3	42·0	9·0 GM–m
10·2	32·3	18·9	
8·4	58·3	19·8	8·7 GM≡m
10·2	57 2·3	18·7	G
10·0	15·3	12·8	
25pr.	+1 30·2	+3·9	

6901—6960.

mag.	19h.–20h. m s	−24° ′	
10·2	57 31·3	37·9	
10·0	58 6·8	40·5	
9·6	26·3	37·1	
10·0	50·8	6·0	
10·2	53·3	37·2	
8·4	0 11·6	14·4	7·8 GWal
9·6	36·1	28·7	
8·8	51·1	57·0	9·2 b
8·7	57·1	24·5	8·5 Gm
10·2	1 9·6	4·8	
10·2	14·1	29·8	
10·0	30·9	56·0	
10·2	43·9	52·5	
10·2	47·6	56·2	
8·5	51·4	23·2	9·0 –m
9·6	2 5·4	14·3	
10·1	43·1	18·2	
10·0	3 11·6	17·3	
9·0	25·1	23·1	8·5 Gam
9·0	46·1	56·2	
10·0	55·6	30·5	
7·8	4 0·1	35·7	8·5 GWam
9·8	2·1	56·6	
10·1	17·1	8·4	
8·8	32·1	38·9	9·0 GWam
9·6	36·4	42·7	
10·1	44·1	25·6	
9·2	48·3	8·1	
9·2	5 9·3	24·2	
9·6	17·9	58·4	
10·1	22·3	32·3	
9·6	36·3	40·3	
9·6	6 16·3	3·2	
9·6	17·3	25·0	
8·8	7 42·3	49·5	9·5 Gb–m
9·6	43·3	37·7	9·5 G–
10·1	59·3	8·7	
8·6	8 7·8	34·4	9·2 GW=m
9·6	22·3	31·4	
9·4	37·3	51·9	
9·5	39·8	3·4	9·0
8·6	44·8	12·9	8·8 GW–m
9·6	59·3	32·8	
10·1	9 3·3	17·4	
10·0	17·8	6·5	
9·2	10 14·8	26·7	
9·0	26·3	19·9	W
8·0	38·8	45·2	8·7 Gaml
9·0	39·3	39·2	8·8 Gam
8·8	11 9·8	4·9	
10·1	11·8	16·5	
9·2	11·8	7·0	
8·2	28·3	16·9	8·2 GWal
9·8	41·3	45·3	
9·2	52·3	49·7	
9·6	12 11·8	38·8	
9·0	17·8	11·1	
9·6	35·3	4·7	
9·4	35·8	37·7	
9·8	43·8	4·9	
	+1 29·8	+4·3	

6961—7020.

mag.	20h. m s	−24° ′	
9·8	13 3·3	35·3	
9·4	19·3	25·8	
9·4	35·3	47·5	9·5
8·8	40·1	59·6	
8·8	46·3	43·3	9·0 am
9·2	49·3	47·6	
9·2	50·3	5·2	K–
9·6	57·5	39·0	
8·6	15 42·5	53·5	9·2 GW–
10·0	47·0	17·4	
10·0	58·0	43·6	
9·8	16 10·0	17·5	
9·4	12·5	39·8	
8·8	13·0	46·5	9·5 GMm
9·4	22·0	8·6	
9·8	24·5	32·8	
8·6	27·5	33·8	9·0 GWb
10·0	34·0	43·0	
9·0	17 10·0	55·9	Wa
9·8	13·0	7·4	
8·2	16·5	39·3	9·0 Wam
9·0	19·0	56·8	Wa
9·5	45·0	4·2	
9·4	18 55·7	57·8	Ga
9·5	19 10·5	34·3	
9·0	32·5	48·1	
10·0	42·5	50·8	
8·2	50·0	45·7	8·5 GMam
10·0	20 8·5	27·6	
9·2	17·5	19·7	
9·5	45·0	12·2	–
9·6	46·0	37·1	
8·8	51·5	8·4	9·0 Ga
10·0	21 1·0	13·1	
9·1	3·0	38·8	
7·8	3·5	34·2	7·5 GSbl
8·0	19·5	23·6	7·1 GSbl
8·8	34·0	4·6	a
9·5	43·5	11·2	
9·8	44·0	47·4	10·0
10·1	48·5	14·9	
9·6	22 23·0	31·6	
9·2	23 4·5	31·5	
10·0	7·5	24·1	
9·6	44·2	2·9	9·0 am
10·0	24 23·7	1·4	
8·8	34·0	29·0	
8·1	50·7	29·3	am
9·4	58·2	37·2	
8·2	25 3·9	23·2	am
10·4	42·9	42·5	
10·4	53·4	11·4	
10·2	53·4	37·7	
9·8	57·9	37·0	
9·0	26 12·9	4·5	
9·8	13·9	42·1	
9·9	21·9	38·7	
10·4	45·9	23·4	
10·2	27 2·9	9·5	
10·4	24·4	29·3	
	+1 29·3	+4·8	

7021—7080.

mag.	20h. m s	−24° ′	
10·4	27 55·9	44·1	
8·8	28 11·9	19·4	9·5 M=m
7·8	24·9	48·1	8·0 Gaml
9·8	27·9	38·4	
9·6	29·9	9·5	
10·2	52·9	43·9	
10·2	29 6·4	27·1	
9·0	9·9	37·4	9·5 m
9·6	25·9	42·0	
10·4	45·9	7·0	
9·0	52·9	4·8	–
10·4	30 7·9	12·4	
7·4	16·9	48·3	8·3 Gaml
10·4	35·9	40·1	
9·4	40·4	28·0	
9·4	40·4	6·3	
7·1	41·4	39·7	7·2 GScl
9·9	47·9	44·9	
10·4	31 29·9	17·0	
9·0	36·9	54·0	
9·2	36·9	30·7	9·0 GMam
9·6	36·9	13·5	
9·8	49·9	22·8	
9·4	50·4	46·8	9·0 Ga
9·6	32 1·4	44·5	
10·4	6·4	18·9	
9·2	22·9	52·8	
9·6	36·9	56·3	
9·4	42·9	36·8	9·0 b
6·9	45·9	13·6	6·5 GScl
7·6	58·4	32·8	7·0 GScl
9·6	33 23·6	57·9	
9·9	38·9	39·1	
8·6	41·9	56·8	9·0 am
9·8	34 5·9	11·1	
9·9	18·4	36·7	
8·8	35 14·4	44·9	
10·4	36 11·9	26·9	
10·4	13·9	39·4	
9·0	37 1·9	5·8	a
9·0	2·9	5·3	
10·2	11·9	7·5	
10·4	37·9	28·6	
8·2	41·9	12·4	8·5 GWam
8·2	57·4	19·4	8·5 GWam
9·8	38 1·3	5·6	
9·0	13·6	2·6	
10·2	19·8	6·1	
9·6	24·8	13·2	
8·2	25·3	56·2	9·0 G≡
9·9	47·8	54·6	
9·6	49·8	19·6	
8·8	51·8	15·0	8·5 GWam
7·0	56·3	10·6	8·0 GSac
10·4	39 6·8	0·8	
10·4	24·8	54·0	
8·6	52·8	55·8	9·0 ≡
10·4	40 25·3	1·4	
9·9	35·8	6·1	
8·6	59·3	5·2	9·5 Mm
	+1 28·8	+5·2	

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7081—7140.

mag.	20h. m	s	—24° ′	
10.4	41	21.8	13.8	
9.6		29.2	2.9	
9.6		36.8	21.6	
8.8		54.8	31.0	9.5 Mm
9.6		55.8	17.3	
9.6	42	9.8	25.0	
8.8		10.8	24.4	9.2 a
9.6		42.6	2.2	
9.0		48.8	35.3	
10.0		56.3	46.0	
10.4	43	4.8	55.5	
10.4		21.8	42.2	
10.4		56.8	15.0	
9.9	44	9.8	37.0	
9.8		30.3	38.6	
8.8		32.8	11.8	
10.4		32.8	5.6	
9.6		36.4	1.5	
9.0		57.8	37.4	9.0 am
10.0	45	0.6	57.6	
10.4		19.8	32.7	
8.2		33.8	40.9	8.5 Wam
8.8		35.8	7.1	9.5
9.8		36.8	55.9	
7.2		41.8	15.0	6.5 GSlπ
9.4		44.3	2.1	
9.2		59.5	2.1	
9.6	46	25.1	5.6	
7.6		40.6	45.0	7.5 GSac
9.2	47	32.3	19.9	
10.4		32.8	10.9	
9.8		48.4	11.4	
8.5		58.9	42.5	8.0 W=m
9.6	48	45.4	14.7	
10.2		51.4	40.1	
9.1		58.9	25.2	9.0 a
10.0	49	25.9	54.3	
9.1		40.9	18.4	
8.4		43.9	40.4	Wam
8.6		44.9	8.5	9.0 bl
9.6		57.9	45.9	
7.2		58.9	19.3	8.0 Gbl
10.4	50	2.9	15.8	
7.8		19.7	58.1	8.0 Ga
10.4		36.5	21.4	
9.6		56.5	3.5	a
10.2	51	28.5	17.9	
10.0		35.5	29.1	
10.2		39.5	28.7	
10.0		40.5	33.5	
9.8	52	15.5	48.9	
9.0		18.5	10.5	9.5 a
9.0		23.5	42.5	
9.6		25.5	21.7	—
9.6		50.5	36.0	
10.4		54.5	19.7	
9.4	53	5.5	6.2	
9.2		14.5	12.0	
9.6		15.5	54.8	
9.8		27.0	8.7	
25p.	+1	28.1	+5.6	

7141—7200.

mag.	20h.–21h. m	s	—24° ′	
9.4	53	46.5	9.2	
10.4		46.5	15.3	
9.6		51.0	47.8	M–
10.4	54	5.0	47.3	
8.3		25.5	17.1	8.5 Gam
9.4		34.5	6.0	
9.8		43.5	43.7	
9.8	56	5.5	17.4	
7.7		30.5	48.8	7.5 Gaml
9.6		38.5	7.3	
10.2		48.5	39.0	•
10.0		52.5	10.9	
10.0	57	21.5	18.1	
8.6		39.0	6.6	8.2 GMam
10.4	58	18.5	24.8	
9.2		43.5	41.4	a
9.8		59.5	4.9	
9.6	59	2.5	42.3	
10.0		2.5	3.8	
9.2		23.5	5.9	
9.6		35.5	5.3	
10.4	0	7.0	48.8	
10.0		41.5	32.3	
10.4	1	4.5	27.5	
10.0		15.5	59.0	
8.1		15.5	42.4	8.0 Gal
10.2		55.5	21.9	
7.8		57.5	7.9	7.2 GScl
7.9	2	35.5	54.4	8.2 GM–m
10.2		48.0	31.6	
9.0	3	14.0	16.1	=
9.0		51.5	6.2	
9.8		58.5	58.2	
9.6	4	22.5	34.0	9.0 GM–m
7.6		47.0	37.9	8.2 GWal
10.2	5	24.5	1.8	
9.0		58.0	36.5	9.5 –
9.6	6	56.8	40.7	
10.0	7	14.8	52.1	
9.4		30.8	3.7	9.5 –
9.8		44.8	44.3	
10.4	8	3.8	7.5	
10.2		17.8	37.3	
9.8		34.8	31.9	
10.0	9	1.8	17.0	
9.1		20.1	5.6	9.5 –
9.4		43.8	25.7	9.5 M≡m
10.2		47.8	34.5	
8.6	10	19.0	33.1	9.0 am
11.2	11	9.0	58.6	
8.3		32.5	19.8	8.8 al
10.2		54.0	56.5	–
9.0	12	18.5	17.7	8.5 Maml
10.5		47.4	28.7	
10.5	13	1.9	35.7	
11.2	14	44.4	43.0	G
8.8		53.4	45.4	9.0 G
10.2	15	25.4	31.6	
9.8		26.4	21.9	
9.6		44.1	0.2	9.0 am
	+1	27.5	+6.0	

7201—7260.

mag.	21h. m	s	—24° ′	
11.0	15	52.9	16.0	
11.2	16	41.9	5.6	
7.0	17	3.4	10.2	7.5 GWa
6.8		6.9	57.4	6.8 GStπ
9.9		14.9	12.0	8.8 a
10.8		57.4	28.0	
9.8		57.4	32.4	
8.5	18	7.9	35.8	b–l
10.2		13.4	55.2	
11.0		16.4	38.0	
8.3		18.4	6.8	Gam
7.3		36.4	21.4	6.5 GSal
8.8		56.4	55.0	8.8 am
10.6	19	7.4	15.6	
11.2		12.4	14.3	
11.1		12.4	53.3	
11.2		33.4	47.2	
11.0	20	14.4	49.4	
8.4		14.4	9.4	8.0 Gaml
11.0		37.4	10.0	
10.8		38.4	28.3	
9.0	21	17.7	9.6	9.0 Gam
9.6		39.2	30.9	–
10.3		57.7	7.9	
8.8	22	11.7	20.1	9.0 Ga
10.3		59.7	44.3	
8.8	23	12.2	58.5	8.5 Gatπ
10.2		43.7	49.2	
9.6	24	23.5	59.4	9.5 Ga
10.6		27.1	33.8	
11.2		53.6	45.8	
8.2	25	26.1	42.0	8.5 GWam
9.2		40.6	54.8	
11.1	27	0.6	50.1	
9.5		52.1	11.0	
7.4	28	6.8	0.6	6.5 GSlπ
9.8		33.1	38.6	
11.2	29	13.1	24.9	
10.3		48.1	35.1	
10.2	30	12.1	13.6	
8.8		24.1	8.5	9.5 a
8.5		34.1	15.2	8.5 Wam
11.1		42.0	51.8	
10.8		43.6	3.0	
10.8		47.1	39.0	
10.2	32	58.3	49.9	
10.2	33	19.3	51.1	
9.0		33.3	28.3	8.2 am
8.8		46.3	22.4	9.5 a
9.0	34	1.3	59.9	9.2 W
9.8		58.3	10.3	
7.9	36	13.3	42.7	7.5 GSal
10.0	37	3.1	33.3	
10.0		15.8	5.5	a
10.6		28.9	41.0	
11.0	38	45.8	46.9	
10.8	40	3.8	15.6	
10.2		20.8	10.0	
8.8		23.3	14.9	9.0 Wam
10.8		29.8	39.0	
	+1	26.4	+6.5	

7261—7320.

mag.	21h.–22h. m	s	—24° ′	
10.2	40	41.3	7.1	
9.2		48.8	21.6	9.0 a
8.4	41	3.8	38.0	8.5 al
9.4		27.3	54.9	
10.2		44.3	54.9	
9.6		49.8	13.1	8.5 Wam
10.2	42	17.7	1.7	
9.0		58.3	24.3	Gka
9.2	43	12.8	36.9	a
9.6		18.3	14.3	
9.5		28.3	46.0	
10.2	44	2.8	5.2	
10.2		15.8	51.7	
8.9	45	1.8	58.7	9.3 M–m
10.2		29.8	21.2	
10.4		45.3	16.7	
8.9	46	15.8	38.7	9.0 Ga
10.6	47	12.3	0.1	
10.0		15.8	4.3	
10.2		22.3	53.6	
10.6		34.3	48.1	
10.0	48	11.8	43.0	
9.0		19.8	19.5	9.5 GW=
9.4	49	5.3	24.3	–
9.2		30.8	43.9	
9.0		31.8	8.0	
8.8		38.3	35.9	8.5 GMal
9.5	51	11.3	35.1	–
10.2		20.3	38.9	
9.8		36.8	30.6	
8.6	52	9.3	29.1	8.0 GWa
7.0		14.3	25.7	7.0 GSb=
10.0		55.8	23.5	
9.5		57.3	25.8	
10.0	53	6.8	40.9	
8.9		17.5	6.0	
9.2		29.5	50.9	–
9.2	54	27.3	33.7	
10.2		47.3	5.4	
10.2		53.3	18.1	
8.0	55	12.0	13.1	8.0 Gal
10.0	56	29.2	28.0	
9.6		34.2	57.0	
9.4		45.7	31.5	
9.4	57	37.2	34.8	
8.4		48.2	20.1	8.5 b=ml
8.4	58	8.2	48.9	9.5 a
9.8		10.2	23.2	
8.5		19.2	2.5	9.0 al
9.8		37.2	22.2	
8.9		39.2	8.2	9.0 am
9.4		55.2	7.1	10.0
10.0	59	23.7	10.3	
9.4	0	4.2	14.6	9.0 a
9.2		40.7	33.2	9.0 Gb
9.1		58.7	7.8	
8.0	1	14.7	20.5	8.0 GWal
9.6		36.7	3.5	
9.1		47.2	55.5	
9.4	2	17.2	11.2	
	+1	24.9	+7.1	

7321—7369.

mag.	22h. m	s	—24° ′	
7.4	2	29.2	16.3	6.5 GSal
10.0		33.2	39.3	
9.4		36.9	56.7	
9.4		38.2	51.5	
9.8		59.7	24.0	
9.8	3	23.7	37.1	
9.8		30.4	59.2	K
8.4		32.7	10.0	8.8 Wam
8.6		40.7	38.3	Mam
10.1	4	4.2	25.7	
9.8		11.7	44.4	
9.4	5	17.2	23.5	
9.8	6	33.7	46.7	
8.3		54.7	17.6	8.8 am
9.4	7	4.7	32.4	–
9.8		13.2	27.0	
10.0		36.2	38.3	
7.3		46.7	37.4	7.0 GSa
10.0	8	41.7	1.5	
10.0	9	41.2	40.1	
9.2	10	17.2	0.0	
8.4		33.2	20.0	8.5 GM=m
9.8		38.7	30.0	
9.2	11	59.2	50.2	–
8.2	12	31.2	25.6	8.0 GWal
8.9		32.7	29.2	10.0
9.0		54.2	43.0	8.5 Ga
10.0	13	56.7	10.5	
9.4	14	16.2	20.5	
10.0	17	2.5	34.2	
7.3		38.5	0.1	7.8 GSal
9.6	18	12.3	20.3	
6.1	19	15.6	19.0	6.5 GStπ
9.1	20	10.1	33.3	10.0 G
8.5		23.6	30.7	9.0 GM–m
9.4	21	17.6	25.7	
8.2	22	3.1	46.2	8.0 Gb
7.8		59.1	29.6	8.0 bl
9.6	23	15.1	20.1	
9.0		43.1	16.7	=
8.2		54.6	48.6	8.0 Gtlπ
9.4	26	26.3	39.8	
9.5		57.3	35.3	
8.4	27	17.1	58.4	8.2 a
6.8	28	43.8	38.2	6.0 GSlπ
9.4	29	15.3	37.9	
8.4		16.3	38.8	8.0 Gal
10.2	30	4.8	38.3	
9.6		23.8	49.0	
25pr.	+1	23.7	+7.5	

7370—7417.

mag.	22h. m	s	—24° ′	
9.1	30	27.8	50.7	
9.8	31	1.3	41.0	
9.1		13.3	18.3	
10.2	32	35.8	57.3	
8.6		49.8	19.9	≡
8.6	33	41.1	21.3	9.0 M–m
10.2		45.1	4.0	
9.3	34	6.6	13.0	9.0 a
7.4		13.6	10.3	7.2 GSal
8.0		15.6	53.5	9.0 Ga
9.6		46.6	1.1	
9.8		57.8	6.6	
9.8	35	1.6	24.3	
10.2†		20.5	2.5	
9.2		38.6	22.2	9.5
7.7	37	36.1	25.2	8.8 GWal
8.8		57.6	8.0	
9.0	38	52.3	30.7	Wa
10.6	39	59.4	15.0	
9.2	41	1.4	46.9	9.0 a
10.0		16.9	41.7	
9.0		17.9	45.4	
10.6		38.4	18.6	
10.4	43	6.0	0.1	
9.5		10.9	55.5	
7.6	44	30.8	25.6	8.0 GSal
9.6		46.8	44.4	
8.8	45	10.8	41.4	Wam
10.6	46	9.7	21.4	
7.2		36.8	35.4	GWam
9.3		48.8	49.9	8.8 a
8.4	48	23.9	38.1	8.5 GWam
9.6		54.8	36.0	
9.8	49	8.9	47.3	
7.8		28.4	49.0	8.2 Ga
8.1		29.9	30.9	8.5 GWam
8.4	50	33.4	30.2	8.5 GWam
9.6		58.4	13.3	
10.4	51	43.9	8.5	
8.4		52.4	21.8	M=m
7.9	52	2.9	7.0	8.0 Gb=l
8.1		3.4	6.0	8.5 Gbm
8.6		51.1	46.0	9.0 Ga
10.4	53	18.1	40.8	
10.0		31.1	42.3	
9.8		46.1	52.8	
10.4	54	24.6	51.0	
9.5	55	41.6	48.5	9.2
	+1	21.8	+7.9	

7418—7465.

mag.	22h.–23h. m	s	—24° ′	
7.8	55	45.1	1.5	8.2 Gb=l
8.4	57	26.1	27.6	Ga
9.6		38.1	42.7	
7.9		40.1	47.3	9.0 Ga
8.6		43.1	47.8	Ga
8.1	58	17.6	30.9	8.5 Ga
8.8		46.9	58.9	9.0 a
8.6	59	16.9	0.8	
9.5		31.4	31.1	9.0 Ga
5.7		57.9	25.0	4.2 GSπβ
9.2	0	16.9	49.2	
10.6		18.4	22.9	
8.8	2	26.9	37.6	9.2 a
10.6		43.8	29.5	
8.8	3	41.6	55.8	8.6 a
9.4	4	45.1	22.3	
7.8	5	48.1	29.9	8.1 Ga
7.7	6	23.6	47.1	7.5 Gal
8.3	8	6.6	30.7	9.0 a
9.4	9	29.6	8.9	
9.6		31.6	1.9	
9.1	10	26.6	39.4	8.5 a
9.6	11	45.6	27.3	
9.6	12	16.2	9.7	
8.7		28.4	58.0	8.8 Ga
9.6	13	43.2	4.4	
9.4	15	6.2	42.9	8.8 G
8.2		42.2	56.1	8.3 Ga
7.3	16	13.7	8.2	7.5 GSl
9.6		16.2	43.1	a
8.3		26.9	4.6	8.1 GWal
9.4	17	4.9	19.0	
8.7	18	32.9	6.3	8.8 G –
9.2		52.9	42.1	
9.6	20	38.4	16.6	
9.2		50.4	24.1	9.0
8.9		56.9	55.6	–
9.6		56.9	29.2	
9.6	22	5.1	51.9	
9.4		22.6	2.2	
7.7		50.1	43.6	8.0 Gal
9.2	23	4.6	33.4	
9.4		26.6	42.7	
7.5	24	4.6	53.1	7.4 GSal
9.9	25	2.3	56.0	9.5
9.4		42.6	20.6	–
10.0	27	28.1	26.6	
9.6		34.1	41.0	
	+1	20.0	+8.2	

7466—7513.

mag.	23h. m	s	—24° ′	
9.6	27	44.6	38.6	
9.8	29	3.6	57.4	
10.0	31	17.6	6.2	9.5 G
9.0		32.6	33.1	–
8.2	32	17.8	22.3	8.2 Ga
9.8		33.3	24.0	
9.2		37.3	45.9	
9.9	33	36.3	12.7	
7.9	34	35.3	51.3	7.2 GSal
8.6		57.8	34.3	9.0 Ga
8.2	35	12.8	18.1	8.2 Gal
10.0		53.3	49.2	
7.6	36	39.8	22.1	8.0 Gal
10.0	37	13.3	12.5	
8.3	38	23.3	11.9	8.0 Gb≡l
10.0	39	6.4	6.1	
8.4	40	3.3	33.5	9.0 –
7.7		22.3	59.3	8.1 Gal
10.0		38.8	46.3	
10.0	41	37.4	29.3	
9.6		38.3	23.3	
9.4	42	27.8	40.9	
8.4	43	28.8	51.7	8.8 al
10.0	44	5.8	42.2	
10.0		14.3	53.4	
9.0		48.3	7.9	
10.0	45	6.8	26.2	
8.6		22.3	46.7	8.8 Ga
10.0	46	1.4	51.7	
10.0		3.1	42.0	
10.0		35.6	15.1	=
6.2		53.1	55.5	6.5 GSlπ
8.6	49	11.9	55.6	9.2 G =
8.8		22.9	18.0	=
7.6	52	4.9	51.9	7.5 Gal
9.8		31.9	21.6	
8.8	53	51.9	8.9	9.0 ≡
9.2	54	33.9	8.1	9.2 –
9.4		38.9	7.8	9.2 ≡
10.0	55	16.3	29.5	
8.5	56	24.8	34.3	9.5 a
10.0		29.8	37.1	
6.7		42.8	50.4	6.6 GSbl
9.6		47.3	34.8	
8.5		52.3	18.7	9.0 ≡
10.0	58	58.8	27.5	
10.0	59	8.3	27.0	
9.2		48.3	14.1	
	+1	17.9	+8.3	

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ZONE — 25°.

1—30.

mag.	0h. m	s	—25° ′	
9·4	0	0·1	17·8	9·5
9·8		12·6	59·6	–
9·8		12·6	5·1	
8·0		16·6	18·8	8·9 Gal
10·0		26·1	39·2	
10·0	1	59·6	39·1	
9·7	2	20·6	48·0	–
10·0		29·6	29·4	
9·8		31·1	35·8	
10·0		34·6	3·8	
10·0		39·6	20·5	
9·6		40·1	1·9	
10·0		45·6	16·1	
9·8	3	16·6	4·7	9·5 G
9·6		31·6	50·2	
10·0	4	40·6	50·3	
9·4	6	41·6	38·8	–
10·0		57·1	30·6	
9·0	8	52·9	10·8	8·5 Ga
10·0		54·6	50·9	
9·0	9	13·9	2·6	9·0 Ga
9·9	12	33·2	31·5	
8·4		41·7	8·1	9·0 Ga
9·9	13	9·7	2·8	
9·8		10·7	13·3	
8·0		39·7	48·7	7·8 GWbl
8·1	14	1·2	23·7	8·7 Ga
9·9		1·2	36·3	
9·1	15	15·2	46·1	8·2 Ga
9·1		47·2	37·8	9·5
25pr.	+ 1	16·5	+ 8·4	

31—60.

mag.	0h. m	s	—25° ′	
8·2	15	56·2	54·6	8·6 Ga
9·8	16	6·2	42·2	9·5
8·6		9·2	40·8	8·9 a
9·5	17	19·7	20·7	
9·4	18	2·2	32·0	9·5 a
8·8		16·7	25·8	9·0 a
9·4		16·7	13·1	
8·3	19	15·2	39·8	8·8 Ga
9·0		50·2	25·8	
8·7	21	35·2	58·6	8·5 Ga
8·1		38·2	32·4	8·2 Gb
8·6		48·7	53·1	9·0 Ga
7·1	22	34·7	19·6	7·0 GSbl
8·6		59·7	37·1	9·0 a
9·2	23	54·7	17·6	
8·6	25	14·2	46·6	8·7 G=
9·9		28·7	53·2	
7·6	26	6·2	20·2	7·8 GSal
9·2		10·7	34·0	
9·9		31·4	58·2	
8·7		31·9	0·0	9·0 a
8·7		41·7	17·4	9·5 a
9·7	27	53·7	35·4	
8·7	28	43·7	6·6	
8·1	29	11·7	33·2	8·0 Gb–l
9·7		27·7	6·6	
9·1		30·2	55·6	b
8·7		36·7	34·0	8·3 =
8·6		48·7	18·4	8·8 G
9·9		56·2	47·2	
	+ 1	15·1	+ 8·3	

61—90.

mag.	0h. m	s	—25° ′	
9·8	30	23·2	53·6	b
7·8		34·0	11·2	8·0 GWal
8·1		38·5	10·7	8·0 GWbl
6·5		56·8	27·3	6·0 GSlπ
9·8		58·5	43·9	
8·0	32	11·5	21·0	8·5 GW–
7·8		36·5	47·8	6·5 GSbl
9·5		39·5	47·9	
9·1		51·5	43·8	9·0
9·6		54·1	22·8	
9·2	33	14·2	12·8	–
8·6		39·2	43·0	9·0 GW–
10·2	34	27·2	40·9	
10·2	35	3·7	40·7	
7·4		23·7	52·9	6·7 GWal
8·4		30·7	26·7	8·2 Ga
9·6		50·7	38·1	
10·0		54·2	31·1	
9·8	37	25·7	24·9	
8·2		49·0	33·4	8·8 =
9·8	38	10·0	26·0	9·0
10·0		50·0	14·0	
9·2		57·5	36·1	
10·0	40	9·5	16·1	
10·2		20·5	33·1	
10·2		41·5	32·1	
9·8	41	9·5	10·0	
8·8		53·5	45·6	9·0 –
9·2	42	50·0	15·1	9·0 Gb
10·2	43	54·0	4·0	
	+ 1	14·3	+ 8·3	

91—120.

mag.	0h.—1h. m	s	—25° ′	
10·2	44	3·5	2·9	9·0 a
10·2	45	29·0	19·5	
9·6		42·5	52·4	9·0 a
10·0	46	4·5	21·1	
9·0		57·7	37·8	9·2 Ga
6·4	47	4·2	27·4	6·8 GSal
7·8		52·2	43·3	7·7 Gal :
9·6		55·2	40·3	9·5
9·8	48	2·2	18·3	
7·4	49	15·7	20·3	7·5 GSal
9·6	53	3·3	37·7	=
9·1		45·3	13·6	9·0 G
8·8		48·3	6·7	8·8 a
10·2		50·3	24·3	
9·0	54	19·0	46·6	a
9·0		47·0	6·0	9·0 a
8·5	55	1·6	25·2	=
9·8	56	34·0	58·9	–
9·0	0	35·8	48·3	8·8 a
10·5		41·1	20·3	
9·8	1	0·3	18·9	
8·2		8·8	31·3	8·2 GWa
10·5		17·8	53·1	
9·2		52·8	16·4	9·0 Ga
9·6	2	21·8	2·2	
10·0		33·3	16·2	
10·2		37·3	8·2	
10·5	3	25·3	19·5	
10·5		26·3	15·1	
10·5	4	5·8	41·8	
	+ 1	13·1	+ 8·1	

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121—180.

mag.	1h. m	s	—25° ′	
9·2	4	24·3	34·3	9·5
9·6		35·8	18·0	
9·6		48·8	15·8	
10·4		51·8	24·7	
10·4	5	2·8	10·4	
10·5		29·4	41·0	
10·4		36·9	33·2	
9·6	6	45·9	54·0	=
9·6	7	32·9	9·6	
10·4	8	6·9	7·2	
10·2		7·9	4·0	9·5
10·0	11	8·9	16·2	
10·4		46·9	10·4	
10·2		48·2	0·3	
9·2	12	5·9	11·5	
10·5		28·9	50·3	
10·5	13	17·9	9·1	
8·5		30·9	36·3	8·5 Gbl
10·4		56·4	50·2	
10·2	14	25·9	57·9	
8·2		47·9	45·5	8·0 Gbl
9·2		49·9	12·6	
10·4	16	11·7	1·4	
10·5		15·9	24·1	
10·5		45·9	37·5	
10·2	17	10·7	39·0	
9·2		28·1	44·3	
6·6		37·6	0·5	6·7 GSlπ
10·2	18	10·9	29·7	
8·2		35·5	58·4	9·0 G≡
9·2		54·4	10·9	
9·8		57·9	18·8	
9·8	19	1·4	9·5	
9·8		25·4	5·7	
8·0		33·5	22·0	8·5 Gal
9·4		41·0	20·5	
9·0	20	32·0	10·3	9·0 G
9·2		45·0	48·0	–
9·2	21	22·0	29·2	=
10·2		39·5	35·6	
8·2		39·7	58·9	8·8 b≡l
9·6	22	10·0	50·0	
9·4		19·5	47·2	
7·2		52·0	26·7	7·0 GSal
9·6		58·5	46·8	G
9·6	23	31·5	47·9	10·0
10·0		46·5	45·6	
9·0	24	14·0	41·9	
8·8		16·2	58·1	9·3 –
9·2		40·0	35·9	–
9·6	25	13·4	15·1	
8·6		17·9	14·8	9·0
10·2		18·9	48·4	
9·0	26	28·4	56·8	=
10·0	27	15·4	33·0	
10·2		51·4	52·4	
9·2	29	40·4	8·7	9·0 a
9·8	30	20·4	16·4	
9·8	31	12·9	12·8	G
8·0		17·4	39·2	8·2 Gtlπ
25pr.	+1	11·5	+7·9	

181—240.

mag.	1h.–2h. m	s	—25° ′	
9·8	32	9·4	57·4	
10·2		39·4	5·0	
9·2		46·0	41·8	
6·0		58·5	39·4	6·8 GSlπ
9·2	33	12·0	46·6	9·0 a
10·2		20·0	11·0	
10·2	34	9·0	43·8	
9·4		19·5	55·7	9·7 –
10·0		25·0	43·0	
10·2		27·0	41·9	
9·6	35	27·5	15·5	
9·8		38·7	6·0	
9·6		39·7	31·8	
10·2		54·2	8·6	
9·8	36	57·2	19·1	9·5
10·2	37	53·2	53·2	10·0
10·2	38	23·7	57·1	
10·0	39	9·6	54·8	
10·2		9·8	19·2	
9·9		29·5	55·1	
6·4		48·4	40·7	5·2 GSlπ
10·2	40	49·9	2·6	
10·0		52·5	59·5	
10·0	41	4·4	26·9	
8·5	44	22·4	9·7	8·5 –
8·6	45	21·9	3·0	9·0 Ga
9·4		56·4	14·3	
8·2	46	32·4	39·7	8·7 Gal
9·0	48	36·9	8·7	
9·4		44·9	23·7	
10·0		49·9	38·7	
7·8	49	16·9	30·1	6·9 GSbl
8·2		29·7	58·9	8·6 Ga
10·0		29·9	20·6	
8·5		30·4	10·3	9·5 –
8·2	50	29·9	53·5	8·4 GWa
10·0		50·4	6·0	
8·2		54·9	4·7	8·8 Ga
10·2	52	20·9	46·2	
9·4	53	3·9	30·3	a
10·0		15·9	7·9	
10·2	54	13·9	4·9	
9·2		53·4	55·3	9·0 Ga
8·0		55·7	1·6	7·0 GSbl
8·6	55	12·2	7·0	9·5 –
9·2		19·7	41·6	9·5 G–
9·0		19·7	45·2	9·5 G
9·4		33·7	43·0	10·0 G
9·4		40·7	34·6	
9·2	56	46·7	6·5	
8·4	57	26·2	23·3	8·8 bl
9·8		35·2	32·6	
9·2		39·7	43·8	8·0 GWa
10·0	58	19·7	42·2	
9·6		49·7	28·4	
9·9	59	1·2	5·2	
10·2		45·7	44·0	
8·2	0	42·2	16·3	8·5 Gal
10·0		49·7	25·8	
10·0	1	49·9	45·2	
	+1	9·6	+7·4	

241—300.

mag.	2h. m	s	—25° ′	
8·5	2	7·2	8·8	8·8 a
8·0		30·2	17·2	8·3 Gb–l
9·4		30·5	7·0	
9·4		50·9	0·7	9·5
10·0	3	11·2	52·0	
10·0		30·2	8·9	
8·6	4	10·7	36·2	a
10·0		53·7	3·5	
9·2	5	5·5	6·0	Ga
8·6		39·5	9·4	9·0 a
9·7	7	23·5	23·9	a
8·4		51·5	55·2	8·8 G–
7·8		54·5	22·5	8·0 Gbl
9·2	8	0·5	52·9	9·0 G
9·4		8·0	36·0	
9·8	9	48·5	53·1	
8·2	10	5·5	21·3	8·5 –
9·0		56·3	1·0	8·8
8·2	11	10·5	12·7	8·2 Gal
10·0	12	20·5	5·1	
9·4		30·5	22·3	a
10·0	13	0·5	47·9	
9·2		54·5	52·7	8·8 Ga
8·2	14	20·5	3·3	8·5 –
10·0	15	45·5	24·6	
9·4		47·5	18·9	a
8·4	16	32·5	46·1	8·5 Gal
9·8	17	35·0	3·3	
9·0		40·5	9·1	9·2
9·4	18	0·5	52·4	a
9·8		34·0	17·9	
9·2		38·0	39·7	8·5 a
10·0		47·0	24·1	
9·2		50·5	8·9	
9·6		55·5	11·4	
9·4	19	50·5	16·0	
10·0	20	10·5	2·8	
9·4	21	41·6	4·9	a
10·0	22	16·0	54·0	
9·2	23	7·5	50·2	
8·4		10·8	32·5	9·0 Ga
8·2		13·3	22·2	8·8 a
9·4		41·3	34·8	
6·8	24	36·8	44·7	6·8 GSlπ
8·8	25	12·9	13·9	8·8 Ga
8·4		29·0	48·8	8·8 Gal
9·6		36·0	48·4	
9·6	26	11·0	25·0	
9·6		14·5	5·4	b
9·1	27	42·0	35·2	
9·4		44·5	13·9	
8·6	28	13·0	37·7	8·2 G–
8·5	29	3·0	55·8	8·5 Gal
9·6	30	7·7	54·7	
9·0		31·7	38·3	9·0 Ga
7·8	31	12·7	34·0	7·8 Gbl
9·0	33	1·7	47·6	9·0 a
9·6		13·7	18·1	
8·0		15·7	54·4	8·3 Ga
8·8		31·2	2·9	
	+1	7·8	+6·9	

301—360.

mag.	2h. m	s	—25° ′	
8·2	34	20·7	1·1	8·5
9·6		36·2	59·3	
9·6	35	14·2	11·3	
9·4		23·2	37·9	
9·0		32·2	2·0	8·2 Gbl
8·6		57·7	21·8	8·8
9·6	36	2·2	19·9	
8·8		36·7	50·5	8·7 –
9·4		38·2	11·6	
9·0		58·7	13·4	
8·4	37	11·2	51·2	8·0 G–
9·0	38	5·8	59·0	8·5 Gbl
9·6		39·5	33·8	
8·4		47·5	22·8	8·5 –
9·4	39	15·0	11·2	
9·2		23·0	52·6	a
8·0		49·0	10·9	8·0 G–
9·6	40	4·5	14·2	
9·2		11·0	33·1	
8·8		25·5	44·2	8·5 Ga
8·0		35·5	51·6	7·5 GSa
9·1	41	5·0	44·1	Ga
9·4		28·0	29·1	
9·2		30·5	7·1	
8·8		55·5	52·8	9·2 Ga
8·2	42	25·0	19·2	8·0 Ga
9·6		37·5	43·9	
8·1	43	23·5	7·9	8·0 GWb
9·6		24·9	39·9	
8·8		40·5	48·7	9·0
9·6		40·9	6·8	
7·4	44	18·9	4·6	6·5 GSlπ
9·4		42·4	14·1	a
9·0		43·4	4·0	9·0 a
9·1	45	44·4	56·4	
9·6	46	16·8	34·8	
9·6		17·5	14·4	
9·0		29·9	32·6	9·0 Ga
9·2	48	3·2	42·7	
8·9		23·2	59·1	9·0 G
9·8	49	9·2	59·9	
8·4		25·2	22·9	9·0
7·4	50	0·2	48·6	7·0 GSb–
9·4		38·2	39·0	
9·2		50·2	11·3	
8·9	51	30·2	11·7	
8·9		40·2	8·0	–
8·0		42·7	28·7	GS–
7·8		45·2	28·3	GSbt
9·4	52	10·7	56·8	
9·8		22·2	44·4	
9·4		38·2	31·7	
9·8		53·7	37·6	
9·8	53	28·2	19·5	
8·8		40·2	44·0	9·0 Ga
9·5		48·7	27·1	
6·0	54	5·7	46·6	6·0 GStπ
9·8		59·7	14·6	
9·8	55	6·1	40·4	
8·7		7·7	34·2	8·8 Ga
	+1	6·3	+6·3	

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361—420.

mag.	2h.–3h. m s	–25° '	
8.5	55 19.2	8.0	8.5
9.8	29.2	18.2	
9.8	38.7	4.0	
9.7	56 3.2	51.0	
9.4	8.2	47.8	9.0
8.2	10.2	55.3	8.5 a
8.6	22.2	16.6	
9.0	23.2	41.0	8.5 Ga
8.4	39.2	57.1	8.5 Ga
9.8	48.2	36.4	
9.0	59.2	36.6	9.5 G
8.4	57 25.2	27.0	8.5 Ga
9.4	32.2	5.9	
8.4	37.2	10.2	8.7
9.0	40.2	22.6	
9.8	58 9.4	57.7	
8.7	59 7.8	1.2	8.8 Ga
8.9	10.2	10.0	
9.8	45.2	5.0	
8.8	0 20.2	52.7	8.8 G
8.8	29.7	38.0	8.5 –
9.2	54.7	20.6	
9.0	59.2	27.4	
9.5	1 2.1	10.4	
8.5	7.7	25.8	8.5 a
9.7	2 9.8	15.0	
9.8	36.3	14.6	
8.8	52.3	54.2	Ga
7.6	3 22.8	22.2	7.5 GSkb
9.4	57.8	7.2	
8.5	4 18.8	33.7	
9.2	48.3	54.4	G
7.9	49.8	55.2	8.5 G
9.8	5 36.8	18.0	
8.2	39.8	18.8	8.0 G
9.4	6 52.8	10.5	
9.8	7 15.8	9.0	
9.0	18.8	38.8	
9.4	44.8	48.4	
9.8	48.8	26.8	
9.4	57.3	56.1	
8.0	8 7.3	20.4	8.2 Ga
9.5	9 44.0	6.0	
8.6	10 22.0	37.5	8.5
9.0	11 0.7	3.8	9.0 G
8.9	18.2	41.6	
9.2	20.2	25.6	
9.0	30.2	5.4	8.5 G
8.8	56.3	16.2	
8.8	58.8	18.3	
9.6	12 22.3	10.0	
8.8	42.8	24.7	
8.2	13 19.8	53.2	8.5 Ga
9.6	51.8	39.6	
8.8	54.8	15.6	8.2 Ga
9.2	14 26.8	4.1	
9.0	15 14.8	1.1	
9.6	44.8	24.4	
9.6	16 0.8	23.6	
9.2	17 4.8	28.8	9.5 G
25pr.	+1 5.3	+5.8	

421—480.

mag.	3h. m s	–25° '	
8.2	18 30.8	40.8	8.5 a
9.0	19 14.8	3.2	
8.4	59.8	1.3	8.5 a
8.8	21 53.8	48.5	9.0 G
8.9	22 14.3	50.1	9.0 G
9.4	28.3	28.2	9.0
9.6	23 9.3	19.1	
8.2	38.8	19.6	8.5 –
9.0	24 44.8	52.4	9.0 a
9.6	25 29.8	57.0	
9.0	26 38.8	58.1	8.8
6.6	27 3.3	2.5	7.0 GSal
9.2	59.3	38.2	
8.9	28 24.8	32.1	9.0 G
9.2	34.8	17.9	
8.8	29 26.8	56.1	9.0 a
8.6	55.8	18.9	a
9.2	30 10.8	33.7	
9.2	26.3	36.2	
9.6	36.8	53.2	
9.6	31 6.8	11.2	
8.4	9.1	22.3	8.5 a
8.9	36.3	4.5	9.5 Ga
8.5	32 26.1	10.2	9.2 Ga
9.0	34 21.3	45.9	9.0
9.6	57.3	32.7	
8.8	35 42.6	1.7	9.0 Ga
9.8	36 3.8	30.9	
8.6	4.3	44.7	8.8 G
9.8	8.8	21.3	
7.3	36.8	3.1	6.8 GSal
9.0	37 14.8	6.3	a
9.2	38 6.6	1.7	
9.1	23.6	45.1	
9.6	39 7.1	35.7	a
8.5	13.6	33.6	8.8 Ga
9.4	26.6	12.1	
8.9	42.6	59.0	9.5 Ga
9.4	40 16.6	14.1	
9.1	55.6	55.3	8.8 Ga
9.0	41 15.1	56.6	9.5 Ga
8.9	23.1	2.1	
8.0	23.6	44.8	7.2 GSal
8.2	25.6	14.7	7.5 GSbl
8.9	46.6	8.3	8.2 G
9.4	43 24.1	33.2	
9.6	26.6	12.8	
8.8	35.6	30.5	9.5
8.9	46.1	3.9	a
9.6	51.6	18.7	a
9.4	56.6	40.4	
9.0	44 7.1	43.0	
8.0	37.6	53.2	Ga
9.2	43.1	5.1	8.7 a
9.4	51.6	59.1	
9.4	45 10.8	20.1	9.2
9.2	46 10.8	3.2	
8.3	41.9	57.9	8.8 a
8.5	43.3	19.9	8.8
8.8	47 44.3	50.2	10.0
	+1 3.9	+4.9	

481—540.

mag.	3h.–4h. m s	–25° '	
9.1	47 51.3	41.8	
8.0	49 13.8	15.6	8.0
8.0	49.8	15.0	8.0 –
7.6	51 11.3	32.2	7.5 GSbl
9.6	31.3	21.9	
8.8	36.3	22.2	
9.0	52 55.7	13.6	a
9.2	53 40.8	4.8	9.5
10.2	54 1.4	0.1	
10.2	31.4	21.0	
8.7	42.1	41.2	9.0 Ga
9.4	49.4	50.6	
9.5	56.4	16.0	
10.1	55 23.4	15.7	
8.8	45.1	31.6	9.0 a
9.2	56 0.4	39.2	
9.8	37.2	28.1	
10.0	38.2	45.9	
9.4	51.7	13.7	
9.2	57 38.7	42.8	
10.1	58 0.2	41.7	
9.5	14.2	12.8	G
8.8	23.2	13.2	8.5 G–
9.4	40.2	40.5	G
10.2	45.2	8.7	
9.0	59 1.2	23.5	Ga
9.5	39.2	17.7	a
8.2	40.2	51.1	8.2 Ga
10.2	0 40.2	49.9	
9.2	1 7.7	1.5	9.0 a
9.0	29.2	53.3	
10.2	35.2	24.9	
8.8	2 11.2	4.8	8.5 a
10.2	28.2	52.0	
9.5	30.7	32.4	
9.2	58.7	43.4	8.5
10.1	3 20.2	28.6	
9.5	32.2	7.0	
9.8	35.2	52.7	
8.8	45.2	20.8	8.0 GSa
9.2	4 34.7	43.6	
9.2	35.7	5.2	a
8.4	43.7	22.2	7.5 GSal
9.0	58.2	44.7	9.0 G
9.6	58.7	28.7	
9.4	59.2	19.0	9.5 a
10.2	5 5.7	25.3	
10.1	19.2	28.9	
8.0	28.2	44.8	8.0 Gbl
7.6	30.2	25.2	7.5 GSal
9.6	6 16.5	27.3	a
9.2	32.5	2.9	a
10.2	37.5	40.7	
10.2	42.0	10.5	
9.1	47.2	57.2	
10.1	55.0	57.9	
10.1	7 30.2	58.2	
8.8	31.0	7.1	a
9.2	58.5	36.7	9.0
10.1	8 0.0	35.8	
	+1 3.0	+4.1	

541—600.

mag.	4h. m s	–25° '	
8.2	8 24.0	50.8	7.8 Gbl
10.1	49.0	55.5	
10.1	56.5	30.1	
9.8	9 8.5	16.4	
9.8	31.5	2.9	
8.8	37.0	19.5	9.0 Ga
10.2	51.5	28.8	
9.2	56.0	51.5	9.2 Ga
10.1	10 2.0	15.2	
10.2	9.0	9.9	
9.8	30.0	30.7	
10.2	32.0	53.0	
10.2	50.0	40.5	
8.7	58.5	46.2	9.0 Ga
8.8	11 0.0	5.9	9.0
9.6	47.0	5.2	
8.8	49.5	7.7	8.5 G
9.2	12 6.5	26.3	
8.8	10.0	37.7	9.0 Ga
10.1	17.5	4.1	
10.2	18.5	4.8	
9.6	43.0	35.8	
9.0	13 3.0	34.6	9.5 a
8.8	11.5	48.7	9.0
10.1	18.5	43.1	
9.6	14 1.5	40.7	
10.2	3.5	20.5	
10.2	24.5	6.3	
8.7	28.0	11.5	9.0 a
8.0	29.5	19.6	7.2 GSlπ
9.8	15 0.0	0.1	
10.1	27.0	24.0	
8.8	30.3	1.7	8.4 G
9.4	37.0	17.9	
10.2	50.0	47.4	
9.2	16 7.5	59.4	G
9.6	46.5	19.4	
10.0	17 0.0	28.8	
10.1	5.0	32.7	
9.6	34.3	32.6	
10.0	39.8	27.8	
9.8	47.4	54.2	
7.4	51.8	11.1	6.0 GSbl
9.4	55.8	35.5	
7.9	18 7.8	40.7	8.0 GW–
10.0	8.3	14.2	
10.0	8.8	3.9	
9.4	15.8	48.2	
10.0	19 19.9	57.8	
10.0	34.5	1.2	
9.4	20 22.4	11.1	a
10.0	23.9	46.7	
9.8	21 9.4	53.4	
10.0	28.4	14.0	
9.8	40.4	14.8	
9.0	53.4	17.5	9.0
9.4	22 13.9	8.8	
9.4	22.4	30.7	
10.0	35.4	23.1	
10.0	38.4	41.6	
	+1 2.6	+3.7	

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601—660.

mag.	4h. m	s	−25° ′	
9.4	22	38.9	17.1	
10.0		43.9	12.4	
9.8		50.4	43.6	
9.5		52.4	54.9	
10.0	23	0.4	8.9	
10.0		11.4	6.1	
9.8		20.4	8.2	
9.8		21.9	6.3	
8.0		42.4	28.2	7.8 Gbl
8.8		59.9	52.8	
9.4	24	10.9	40.0	
10.0		26.4	9.4	
9.6		41.9	26.0	
9.2		53.4	21.9	9.0
10.0	25	6.4	50.8	
9.6		13.4	48.1	
9.4		22.9	54.5	a
9.4		23.4	20.9	
9.4		31.7	59.3	
9.4		35.4	55.9	
9.6		36.9	43.1	
8.5		47.4	15.0	8.2 G–
9.8	26	1.4	50.4	
9.5		25.9	20.3	
9.2		26.4	6.8	9.0
9.2		35.4	0.6	
10.0		41.4	15.6	
10.0		43.3	7.9	
9.1		43.5	2.0	9.2 G
10.0	27	1.3	45.1	
10.0		2.8	24.9	
10.0		14.8	7.5	
9.4		20.8	35.7	
9.4		24.8	12.4	
9.0		25.3	45.9	
7.8		26.8	28.1	8.5 GSb–
9.4		40.3	45.5	
9.6		59.3	29.1	
7.0	28	0.3	49.5	8.0 GSbl
9.4		12.3	12.9	
9.4		15.3	41.5	9.0 G
10.0		29.8	57.1	
10.0		45.3	3.1	
10.0	29	0.3	50.1	
9.0		1.3	42.5	9.5
10.0		5.3	25.3	
10.0		6.8	53.9	
10.0		11.8	6.5	
10.0		20.3	24.3	
9.5		30.3	29.7	
9.6		32.3	3.2	
9.2		43.3	18.2	
8.0		43.3	17.8	7.5 GSal
9.7	30	0.3	20.9	
10.0		7.3	16.0	
9.5		44.8	4.1	
10.0		46.3	13.6	
9.2	31	34.3	29.0	G
10.0		38.3	56.5	
9.5		48.8	34.0	
25pr.	+ 1	2.2	+3.3	

661—720.

mag.	4h. m	s	−25° ′	
8.4	31	51.3	25.7	9.0 Ga
10.0		52.8	42.1	
8.5	32	0.3	48.7	8.5 Ga
10.0		15.3	34.1	
10.0		41.8	19.5	
9.4	33	4.4	19.4	
9.4		31.4	33.5	
9.7		40.4	27.1	
8.0		47.2	57.3	7.7 GSb–
10.0		56.9	46.8	
10.0	34	28.4	56.2	
10.0		29.9	47.4	
9.4		44.4	10.2	
10.0	35	0.9	37.6	
9.4		4.9	53.6	9.0
9.8		5.4	53.8	
9.2		23.9	38.6	
10.0		29.9	9.2	
10.0		46.4	50.9	
9.2	36	9.4	19.1	9.0
10.0		42.4	33.0	
9.2	37	24.9	5.4	
10.0		31.4	22.5	
10.0		38.9	39.5	
9.8		42.9	18.6	
9.8		52.9	20.8	
9.5		52.9	0.9	
9.6		53.2	5.4	
9.7	38	15.4	59.9	
10.0		26.6	57.9	
9.4		28.7	8.1	
8.0		38.7	1.0	8.0
8.8		56.2	33.7	9.0
8.4	39	29.7	55.8	9.0
10.0		31.2	54.0	
9.6		39.4	43.8	
9.2		53.4	33.6	9.0
9.6	40	15.0	33.3	
9.9		15.5	24.2	
10.2		32.0	50.2	
9.0		53.7	0.2	9.0
7.5		54.5	23.3	8.0 GSbl
9.9	41	17.5	36.2	
10.1		35.0	50.9	
9.6	42	5.2	0.6	
8.6		10.0	22.3	8.5 G
10.2		14.5	51.0	
9.7		16.5	47.5	
10.2		49.0	50.0	
9.4		58.5	26.0	
9.6	43	0.5	7.4	
9.0		27.0	9.8	9.0 a
10.1	45	54.0	32.5	
7.1		59.5	31.3	7.2 GSb
9.0	46	6.5	28.1	
10.0		33.0	11.4	
9.6		36.5	16.0	
10.1		38.0	44.4	
10.0	47	3.0	24.2	
10.1		14.9	35.2	
	+ 1	1.9	+2.9	

721—780.

mag.	4h. m	s	−25° ′	
10.2	47	20.4	53.1	
9.8		27.4	12.0	
8.0		34.9	59.0	8.0 GSa
10.2		34.9	39.3	
8.8		40.9	33.6	8.5 Ga
9.9		49.8	1.2	
10.2	48	5.9	41.0	
9.6		21.9	1.9	
8.6		23.9	21.4	9.0 a :
9.6		29.9	33.4	
9.6		59.9	29.1	
10.1	49	0.9	54.7	
8.5		41.9	51.3	8.2 GWal
9.7	50	1.4	50.9	
9.6		7.9	30.2	
7.0		23.4	55.7	6.8 GStl
10.1		23.4	54.7	
9.6		37.9	51.1	G
10.2		59.4	56.9	
9.4	51	8.4	29.6	
9.6		14.4	16.2	
10.2		16.9	23.1	
9.0		17.9	50.3	9.2 GW
9.3		51.4	16.3	
8.6	52	17.4	9.7	9.2
8.6		40.4	15.2	8.0 Gbl
9.4		44.4	10.3	
10.1		54.9	1.0	
8.8	53	19.4	13.8	9.0
10.1		22.4	5.3	
9.4		42.9	53.4	
10.0	54	10.9	39.2	
8.1		28.4	33.4	8.5 Ga
9.6		28.4	40.0	
9.4		48.9	42.2	
7.6		49.4	14.6	7.8 GWbl
10.2	55	0.2	5.9	
9.4		39.7	39.0	
10.2		49.2	15.5	
10.2	56	14.2	33.7	
10.2		22.7	30.4	
10.1		24.7	3.4	
9.3		29.7	21.4	
10.2		33.7	36.4	
10.2		37.2	25.9	
9.9		46.7	24.6	
10.2		50.7	26.1	
10.1		56.9	0.0	
9.6		57.2	39.2	
9.6		59.7	6.2	
8.9	57	34.2	16.8	
10.2		37.7	56.7	
8.6	58	2.2	9.8	9.0 Ga
9.6		7.7	33.4	
9.3		10.2	38.3	
9.1		18.7	11.3	
10.2		19.2	50.7	
9.7		26.7	32.4	
9.6		58.7	9.9	
9.6	59	23.2	50.5	
	+ 1	1.5	+2.4	

781—840.

mag.	4h.–5h. m	s	−25° ′	
10.0	59	35.2	52.0	
10.2		43.7	36.6	
9.7		46.5	59.9	
9.7		59.7	27.1	
8.4	0	3.2	21.8	8.5 G
8.9		9.2	53.7	
10.2		9.2	36.8	
10.1		9.7	59.6	
8.5		9.7	40.8	8.5 G–
9.8		17.2	52.1	
9.6		33.2	33.1	
10.2		34.2	15.7	
10.0		35.7	58.3	
9.6		52.7	8.4	
9.6		54.7	40.3	
10.2		56.6	21.1	
10.1	1	5.1	40.1	
9.1		5.6	28.5	8.8 G–
10.2		10.6	30.9	
10.2		11.7	33.7	
9.8		15.1	41.2	
8.6		21.9	20.6	9.2
10.0		34.6	41.8	
9.0		39.6	18.3	9.5
10.2	2	4.1	49.7	
10.2		18.9	10.5	
9.0		19.6	49.0	9.5 –
8.3		32.2	12.9	8.5
9.4		47.2	47.0	9.5 G
10.1		47.7	18.3	
9.8		57.7	48.5	
9.0	3	1.1	12.6	
10.1		1.4	59.4	
9.8		19.7	49.2	
9.0		24.7	23.1	8.5 G
10.0		27.2	3.6	
10.1		29.7	49.4	
8.6		31.7	48.8	9.0
8.8		44.7	39.8	8.7 Wa
9.6		44.7	27.9	
10.1		53.7	5.2	
8.8		58.7	48.3	9.3
10.1	4	14.2	8.9	
8.5		16.7	22.1	9.0 GWb
9.0		20.7	32.6	9.0 Wa
9.4		29.7	48.6	
9.8		36.7	20.6	
10.0		37.7	2.0	
8.8	5	9.7	38.0	9.5 W
9.1		10.7	26.2	a
10.0		14.7	17.8	
9.6		19.2	4.8	
9.0		31.2	22.1	W
9.5		38.2	3.5	
9.6		40.2	33.0	
9.6		45.0	1.8	
9.6		45.7	53.6	
9.1	6	3.7	35.0	Wa
9.8		9.7	19.6	
10.0		14.7	34.4	
	+ 1	1.3	+2.1	

SO 11705

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841—900.

mag.	5h. m	s	—25° ′	
9.5	6	34.7	25.0	
9.3		41.8	1.1	9.0 G
10.1		43.7	51.6	
9.8	7	0.2	30.7	
10.0		3.7	44.1	
10.0		6.2	45.2	
8.3		18.2	4.4	8.3 a
9.0		23.2	31.5	9.0 a
10.1		50.2	53.2	
9.4		56.7	59.1	
10.0	8	10.2	47.3	
10.1		28.7	31.4	
8.8		30.2	29.4	9.0
10.0		41.7	43.8	
9.1		49.2	38.2	
9.5		51.2	39.7	
10.1	9	0.2	32.1	
10.1		5.7	12.1	
10.1		6.2	14.7	
10.0		11.2	27.6	
9.6		16.2	42.2	
9.3		20.2	13.6	
9.4		25.2	54.1	9.5
9.2		31.7	16.9	
10.1		41.2	4.7	
10.1		47.2	29.0	
10.0	10	3.2	43.0	
9.6		35.7	7.6	9.0
9.8		47.2	38.8	
10.1		48.2	3.6	
9.6		53.7	15.8	
9.6	11	0.2	50.3	
9.6		0.2	33.1	
9.0		2.2	7.3	9.0 G
10.1		7.7	2.6	
10.1		10.2	45.5	
10.1		13.7	7.1	
10.1		21.2	35.7	
8.0		29.2	28.2	8.0 GSb–
9.8		45.2	16.0	
9.8		45.2	44.1	
10.1	12	4.7	3.0	
9.2		23.2	32.5	
9.6	13	6.2	47.5	
8.3		9.7	23.0	7.8 GW–
8.2		10.2	24.9	8.3 W
9.4		12.2	44.6	
9.4		14.7	46.1	
9.4		20.7	19.0	
10.1	14	15.2	49.3	
8.4		24.7	15.2	7.8 G
9.0		36.2	23.0	9.0 GW–
9.8		45.7	28.3	
8.6		49.2	45.1	a
9.6	15	5.2	6.4	
10.1		43.7	28.7	
10.1		45.2	27.2	
9.3		45.7	39.9	8.5 a
9.6		52.2	2.7	
10.1		58.2	2.5	
25pr.	+ 1	1.2	+ 1.8	

901—960.

mag.	5h. m	s	—25° ′	
10.0	16	1.7	13.2	
10.1		5.7	23.9	
10.1		10.2	57.4	
9.5		15.2	47.9	
10.0		28.2	2.9	
10.1		35.2	2.3	
9.3		38.7	24.4	a
9.6		40.2	29.4	
9.5		42.2	18.0	
10.1		46.7	42.3	
9.1		57.2	50.6	
10.1	17	1.7	46.8	
9.3		3.2	5.0	
9.1		8.0	53.6	
9.6		13.5	45.5	
9.8		25.5	15.7	
8.4		27.5	42.2	8.5 Ga
8.8	18	7.5	30.4	a
9.3		10.5	51.9	
9.5		13.5	3.6	
10.0		14.5	26.9	
9.5		22.0	35.7	
10.0		37.5	49.9	
9.6		55.5	18.9	9.5
8.8	19	3.5	54.0	9.0 G
9.6		5.5	59.0	
10.0		13.5	24.6	
10.1		36.0	23.1	
10.1		45.5	11.0	
9.6		49.5	44.1	
9.5		55.5	24.5	
10.0	20	22.5	58.2	
10.1		26.0	12.1	
10.0		30.5	13.9	
10.1		31.5	23.7	
10.0		43.0	51.3	
9.8		45.0	22.3	
9.2	21	10.5	13.7	9.0 G
9.5		15.5	27.2	
10.1		28.5	50.1	
10.1		39.0	57.0	
9.5		44.0	4.0	
9.6		45.6	11.2	
8.6		54.3	0.8	8.2 Ga
9.8		59.6	25.0	
9.3	22	21.6	26.9	9.5
9.0		22.6	14.2	8.7
10.0		25.6	13.1	
9.1		30.6	24.2	10.0
9.6		30.6	49.6	
10.1		30.8	58.2	
10.1		35.6	50.7	
7.3		40.6	44.5	7.2 GSb–
9.6		45.1	13.1	
9.4		48.6	4.7	
10.1		55.6	23.7	
10.0		56.1	8.9	
9.2	23	4.6	52.3	
10.0		17.6	42.2	
10.0		26.6	15.3	
	+ 1	1.1	+ 1.5	

961—1020.

mag.	5h. m	s	—25° ′	
10.0	23	26.6	21.2	
9.3		34.6	38.1	
10.0		48.1	58.5	
10.0		50.6	33.6	
10.1		58.6	9.7	
9.6	24	3.2	12.5	
10.1		6.1	32.3	
10.0		9.1	47.1	
8.6		11.1	23.4	9.0 Ga
9.5		17.6	11.9	
9.5		20.6	10.0	
9.6		28.9	45.5	
10.0		30.6	47.2	
10.1		35.6	4.2	
10.1		41.6	44.5	
9.5		44.9	45.1	
10.0		45.6	4.1	
9.8		51.6	16.5	
9.8		57.1	18.5	
9.4	25	3.6	12.9	
10.1		5.4	10.2	
10.0		9.1	34.1	
9.4		11.6	16.8	
9.8		13.2	57.8	
9.4		16.7	9.9	
9.3		20.2	13.6	9.5
8.9		44.7	3.9	9.5
9.6	26	1.2	52.9	
9.9		6.2	7.1	
8.8		32.2	48.9	9.0 a
9.6		35.2	46.2	
10.0		48.7	3.6	
10.0		54.1	11.4	
10.0	27	12.2	48.0	
9.3		15.0	23.3	9.0 a
9.6		45.0	31.3	
8.4		56.0	27.3	7.8 GWb
8.8	28	45.0	23.8	9.0 a
9.8	29	7.0	40.3	
9.0		26.5	37.9	9.0 Ga
10.0		50.0	9.5	
9.4	30	17.0	30.5	
9.9		28.0	5.2	
9.8		38.0	24.4	
8.8		44.0	49.1	8.0 G
9.4	31	30.0	13.4	
8.6		32.0	54.6	8.5 Ga
9.4		44.5	43.7	
9.4		48.0	45.3	
10.0		55.5	10.3	
9.3	32	1.0	1.9	
9.0		18.3	56.8	9.5
9.9		30.0	17.9	
9.5		40.0	19.9	
9.4		46.5	48.1	
8.8		57.3	0.8	9.2 a
9.8	33	23.5	52.1	
9.6		51.0	13.2	
10.0		53.5	7.9	
8.6		56.5	8.4	8.7 Ga
	+ 1	1.0	+ 1.2	

1021—1080.

mag.	5h. m	s	—25° ′	
9.4	34	10.5	47.8	
8.5		12.0	34.7	–
8.4		19.0	36.1	–
8.2		19.0	18.8	8.0 Ga
8.1		28.5	13.1	8.2 Ga
10.0		36.0	26.1	
8.6		40.0	41.3	9.5
9.4	35	12.0	41.1	
9.4		13.7	2.5	
9.3		15.0	33.1	
9.6		20.0	18.9	
9.3		22.5	28.7	9.0
9.5		33.2	2.2	a
8.2		41.0	44.2	8.5 G
10.0		46.0	21.7	
8.8		48.0	50.5	9.0
7.8		58.0	34.2	8.5 W
9.8	36	13.5	19.7	
9.5		15.0	26.7	
9.4		18.0	31.6	
9.4		23.0	13.2	a
10.0		25.5	39.6	
9.3		44.0	21.9	
9.0		55.5	36.4	
9.4		59.7	2.3	9.5 a
8.9	37	15.7	0.5	9.2 a
10.0		28.5	22.6	
9.6		30.0	7.5	
9.6		33.5	1.9	
9.8		40.5	24.5	
10.0	38	5.5	45.6	
9.2		9.2	2.2	9.5 G
9.9		19.0	5.2	
8.6		25.0	40.6	9.0 G–
10.0		32.0	25.2	
9.3		45.0	47.0	
9.2		45.0	1.5	9.2 a
10.0	39	11.0	3.0	
9.4		13.0	33.8	
10.0		22.5	19.1	
10.0		53.5	32.0	
10.0	40	15.0	37.0	
10.0		22.5	27.4	
8.9	41	5.5	55.7	9.0 –
9.5		14.5	45.4	
9.5		19.0	37.3	
10.0		20.5	37.5	
8.7		55.5	45.2	–
8.8		55.5	16.5	9.5
9.9	42	2.0	13.1	
9.8		16.5	8.6	
10.0	43	1.8	48.1	
10.0		11.3	5.1	
9.6		34.8	18.2	
8.8		43.8	9.8	8.5
9.9		44.8	22.0	
10.0	44	4.8	24.9	
10.0		5.8	23.8	
8.8		23.8	35.8	
9.3		23.8	50.6	–
	+ 1	0.9	+ 0.8	

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1081—1140.

mag.	5h. m	s	—25° ′	
9.5	44	50.8	38.4	
8.4		51.8	2.4	8.5 Ga
9.4		53.8	4.8	
9.5		54.8	17.0	
10.0	45	4.8	58.7	
9.6		6.8	40.0	
8.8		9.8	49.2	8.5 Gb
9.4		18.3	4.8	
8.8		43.8	45.8	8.8 b
10.0		44.3	1.7	
9.8		52.3	20.1	
8.5		56.3	54.6	8.8 Ga
9.0	46	5.3	43.7	9.0 a
10.0		12.0	7.0	
9.3		23.0	0.7	
10.0		28.2	8.6	
9.6		44.8	1.7	
7.4		48.8	15.1	7.0 GSb
9.9	47	3.0	23.3	
8.0		3.3	58.6	8.0 GSa
10.0		10.3	23.3	
10.0		29.2	12.8	
9.9		30.0	34.4	
9.4		42.4	3.9	
9.6		53.6	51.8	
9.7		54.6	10.9	
9.4	48	6.6	50.2	
10.3		12.6	55.8	
10.3		13.6	48.6	
9.8		22.6	15.2	
9.7		40.1	29.1	
9.4		41.1	58.7	
10.3	49	4.1	28.9	
8.6		6.6	4.2	8.5 a
8.9		8.6	56.3	9.0 G
8.6		14.6	33.0	8.5 G=
9.4		17.1	54.7	9.0 G
9.4		19.1	54.7	9.5 G
9.7		28.1	34.1	
9.3		29.1	16.7	8.8
9.2		39.1	35.9	9.0
8.8		45.1	27.9	9.0 =
10.1		46.6	28.2	
10.2		52.2	30.5	
10.0		59.2	44.0	
9.7	50	19.2	30.0	
9.0		20.2	9.7	9.0 a
10.2		27.2	12.8	
10.3		29.7	8.3	
9.4		45.5	59.9	
9.8		50.6	57.0	
10.2		59.7	7.8	
10.0	51	1.7	57.3	
10.1		5.2	20.9	
10.3		13.7	30.5	
10.3		23.7	44.3	
10.3		30.7	15.7	
10.3		46.7	57.9	
9.6		46.7	7.8	
9.4		48.2	7.2	
25pr.	+1	0.9	+0.4	

1141—1200.

mag.	5h. m	s	—25° ′	
9.7	51	49.7	4.6	
9.6		54.7	3.9	
10.3		55.7	4.9	
10.3		56.7	57.9	
9.8	52	0.2	31.9	
10.3		2.2	46.0	
10.3		16.2	42.8	
10.3		25.7	55.8	
10.3		37.2	5.9	
9.8		41.2	35.5	
10.3		41.2	7.4	
9.7		44.2	14.2	
10.0		45.7	17.4	
10.0		49.2	17.4	
9.8		55.2	42.5	
8.6	53	11.7	14.9	9.0
10.0		19.7	45.8	
9.0		24.2	48.3	
8.9		26.3	9.3	8.8 G
10.1		28.1	58.6	
9.6		31.3	28.2	
9.7		39.3	39.6	
10.3		41.3	13.1	
9.2		46.8	23.2	8.8 G=
9.6	54	2.8	4.1	
10.3		7.3	9.7	
10.3		12.3	53.4	
9.7		14.8	8.7	
9.6		16.8	46.5	
9.4		28.3	37.1	
10.2		29.8	21.9	
9.7		40.8	22.2	
10.2		46.8	52.4	
9.4		50.1	56.5	
9.3		51.3	9.8	
10.0		51.4	58.6	
10.3	55	4.3	12.6	
9.7		7.3	8.0	
9.0		9.3	27.0	9.0 Ga
10.0		9.4	56.9	
8.8		20.3	20.3	9.2 a
9.6		22.8	43.7	
10.3		23.3	42.6	
10.2		38.8	50.1	
8.7		43.8	32.6	9.0 a
10.0		43.8	28.0	
9.6		47.3	44.6	
10.3		49.3	57.5	
10.3		49.8	48.2	
9.8		55.8	14.4	
6.3	56	8.8	25.3	6.5 GSb
10.0		14.8	43.4	
9.0		17.8	18.3	9.2 a
9.6		27.3	24.2	
9.2		32.1	58.1	9.0 −
10.3		32.3	35.2	
9.6		39.3	7.0	
9.0		43.8	50.4	9.0 G
10.1		58.8	31.8	
10.3	57	4.6	1.4	
	+1	0.9	+0.2	

1201—1260.

mag.	5h.–6h. m	s	—25° ′	
8.3	57	4.8	37.9	8.5 −
10.2		10.8	53.7	
8.8		23.3	14.1	Ga
9.4		31.8	2.9	9.2 a
10.2		46.8	22.7	
10.2		58.3	39.5	
9.6	58	3.8	18.9	
10.3		25.3	14.9	
10.1		28.8	14.9	
9.6		31.3	8.9	10.0 G
9.6		33.8	44.2	
9.8		36.8	32.3	
8.5		39.3	35.3	−
8.6		42.8	8.3	8.6 Ga
8.6		44.3	14.3	9.2 a
10.3		53.3	1.7	
8.6	59	1.8	5.4	8.6 a
10.1		5.3	15.7	
9.4		12.3	50.1	
10.3		21.3	5.4	
9.3		21.3	5.7	9.5
9.4		32.8	52.4	
10.0		33.4	57.1	
9.6		36.8	12.1	
8.6		52.3	16.2	8.8 Ga
9.4	0	5.3	5.7	
7.6		9.3	1.2	8.5 Ga
10.1		11.8	9.9	
9.7		13.3	48.1	
10.0		13.8	5.1	
9.7		15.3	52.5	
9.6		24.3	2.7	
9.7		43.3	43.1	
10.3		54.7	0.3	
10.0		57.2	21.4	
9.2	1	1.7	38.3	
10.3		4.2	40.5	
9.2		7.7	28.3	
9.2		12.2	52.7	9.0
9.6		20.2	37.3	
10.2		20.7	12.7	
8.5		32.7	53.2	8.5 G−
9.2		32.7	47.7	9.0 G−
9.6		33.7	55.0	
10.3		42.2	32.9	
9.2		43.7	19.9	
9.6		44.7	59.5	
10.1		59.2	56.5	
10.0	2	2.7	16.5	
10.2		3.1	57.0	
10.2		19.2	27.9	
9.0		21.2	51.9	9.0 G
9.0		22.2	34.6	9.5 a
10.3		30.2	22.0	
10.3		31.7	26.7	
10.2		49.2	24.1	
9.6		49.2	24.7	
9.4		51.7	45.9	
10.3		54.2	24.7	
7.8	3	3.7	24.0	8.0 Ga
	+1	0.9	0.0	

1261—1320.

mag.	6h. m	s	—25° ′	
10.1	3	3.7	32.9	
10.3		6.7	50.5	
10.0		9.2	43.9	
10.2		10.2	18.9	
10.2		11.2	22.1	
9.3		15.2	14.1	9.2 a
10.3		16.2	42.4	
9.2		21.7	3.6	
10.3		21.7	42.1	
10.3		23.7	58.6	
9.6		24.2	51.3	
10.1		33.2	3.3	
10.3		40.7	29.9	
10.2		49.2	38.3	
9.6	4	1.6	29.5	
9.7		11.1	53.4	
9.6		17.1	3.1	
9.6		18.1	46.4	
9.7		23.6	36.1	
8.1		27.6	15.3	8.5 Ga
10.0		30.6	3.8	
9.8		37.6	26.9	
10.0		46.6	7.3	
8.2		52.1	36.2	8.0 Ga
9.6		53.1	21.7	
8.7		59.6	16.2	9.2 a
10.2	5	1.1	32.0	
8.5		16.6	27.6	8.0 Ga
8.6		18.1	36.5	8.5 Ga
9.7		19.1	48.8	
10.0		21.6	53.1	
9.6		25.1	52.0	
9.7		30.6	3.5	
9.6		32.1	3.1	
9.8		33.6	9.2	
10.2		45.1	29.1	
10.0		45.9	2.6	
9.8		53.6	30.2	
9.6		58.4	2.4	
10.1	6	7.6	2.1	
10.0		28.1	50.7	
10.1		33.6	14.1	
9.3		45.6	47.7	
9.4		47.6	10.4	
9.6		49.1	46.6	
10.3		51.1	23.3	
9.8		52.6	28.7	
10.3		56.6	8.0	
9.0		59.6	41.4	Ga
8.9	7	2.6	3.9	
8.3		2.6	13.6	8.5 a
10.1		7.1	26.9	
8.1		12.6	13.1	8.0 Ga
10.0		23.1	25.4	
9.2		30.6	18.3	
8.5		32.0	14.2	9.0 a
10.0		36.5	58.6	
10.3		37.5	20.7	
9.8		49.0	29.8	
10.1		50.2	59.0	
	+1	0.9	−0.2	

1321—1380.

mag.	6h. m s	−25° ′	
9.6	7 50.5	34.5	
8.9	57.3	57.7	9.0 Ga
8.8	8 4.0	46.5	9.0 G
9.0	13.5	53.8	9.5 G
9.8	14.5	43.4	
9.7	15.5	21.6	
9.0	19.0	13.9	
10.3	25.0	43.1	
10.0	30.0	50.9	
10.1	31.0	51.3	
9.0	33.2	2.2	
9.8	37.5	4.3	
10.3	39.0	13.9	
9.7	41.0	28.6	
8.6	42.3	48.6	9.0 Ga
9.4	50.3	26.7	
10.1	9 13.9	3.6	
10.3	18.5	27.4	
10.2	18.5	26.3	
8.6	24.0	15.9	
9.2	28.0	38.8	a
10.2	31.5	20.3	
9.6	36.5	24.2	
9.0	49.3	50.3	9.0 Ga
9.6	52.6	38.9	
9.8	54.6	23.2	
10.0	10 18.5	54.7	
9.2	25.6	9.3	9.0 Ga
10.0	30.1	39.4	
9.4	37.1	38.9	
9.6	40.1	19.8	
9.0	54.1	14.9	9.0 b
9.0	11 0.3	1.8	9.0
9.0	6.6	18.5	
9.6	25.6	26.1	
9.9	27.1	33.8	
9.9	29.6	33.6	
9.4	32.6	48.4	
9.8	33.1	41.3	
10.0	36.6	33.9	
9.6	40.1	25.4	
8.6	49.6	28.1	–
9.8	12 15.3	57.2	
9.6	23.7	1.7	
8.4	26.2	58.8	9.0 =
9.6	31.2	21.1	
10.0	45.7	44.1	
9.9	13 1.7	10.7	
9.1	14.2	4.7	
8.8	46.2	42.5	
10.0	56.2	22.1	
9.8	14 0.2	19.4	
9.6	1.7	6.6	
10.0	8.7	28.9	
9.6	11.7	56.0	
10.0	15.4	22.1	
9.2	21.7	46.6	
9.2	24.7	9.4	
9.9	25.7	8.5	
8.7	29.2	16.6	9.5
25pr.	+1 0.9	−0.4	

1381—1440.

mag.	6h. m s	−25° ′	
9.7	14 31.7	7.0	
9.0	36.2	53.4	
9.8	42.7	7.4	
8.7	43.2	21.1	8.5 a
9.8	56.7	27.8	
9.3	15 7.7	49.1	
9.3	15.7	24.0	
9.8	22.2	15.2	
8.2	27.2	1.2	8.5 Ga
9.8	40.7	56.0	
8.6	58.2	34.3	a
9.8	16 7.7	13.6	
9.4	25.7	5.0	
9.3	27.2	12.9	a
8.3	35.2	17.5	8.5 Ga
9.9	35.2	24.1	
10.0	43.7	25.0	
9.9	17 7.7	19.6	
9.4	24.8	50.0	
9.9	45.8	45.9	
9.7	48.8	33.2	
10.0	51.3	3.5	
10.0	18 2.8	52.4	
9.4	7.8	39.3	
9.0	12.8	46.6	
9.0	15.8	29.0	
9.1	19.3	24.8	
9.8	28.3	54.5	
9.6	29.8	24.4	
9.0	30.3	38.1	
10.0	33.3	12.1	
9.2	39.8	36.2	
9.7	41.8	19.3	
10.0	47.8	35.6	
10.0	48.6	26.1	
9.6	50.8	29.5	
7.8	51.8	30.7	6.0 GSb
8.1	54.2	5.3	8.0 Ga
9.4	59.8	33.0	
9.4	19 10.8	1.5	
9.0	26.3	25.4	
9.4	47.3	38.8	
9.6	50.8	1.9	
9.6	50.8	24.8	
9.8	57.8	9.4	
8.9	20 4.8	37.5	
9.0	8.3	34.0	
9.7	12.8	11.1	
8.7	18.3	55.3	8.2 a
9.7	21.8	10.6	
9.3	36.3	7.3	
9.0	39.8	16.8	
9.9	40.3	30.7	
8.7	21 6.8	36.5	
9.4	6.8	12.8	
9.2	7.3	13.7	
8.7	12.8	3.3	9.5 G
9.7	15.3	2.0	
8.8	21.8	3.2	9.5
10.0	37.8	29.6	
	+1 0.9	−0.7	

1441—1500.

mag.	6h. m s	−25° ′	
9.2	22 3.8	16.3	
9.8	5.8	31.4	
6.9	9.3	46.5	6.5 GSct
9.2	17.8	53.8	
8.6	20.3	39.6	8.0 a
9.2	22.8	17.4	
9.9	30.8	19.2	
9.1	32.8	27.3	
9.9	35.3	7.2	
8.8	38.8	45.7	9.0 a
9.3	47.3	24.7	
9.2	49.3	38.6	
9.8	58.3	32.7	
10.0	23 20.8	3.8	
10.0	45.8	21.8	
9.9	49.3	19.6	
9.9	58.8	25.7	
9.6	24 3.3	23.4	
8.4	5.3	48.2	8.5 Wa
9.2	11.3	17.5	
9.5	17.8	48.7	
9.4	31.8	41.0	
9.2	41.3	31.8	
9.4	44.3	55.8	
10.0	52.8	43.6	
9.4	52.8	9.8	
9.1	57.8	6.9	
8.8	25 2.8	48.0	8.2 Wa
8.6	3.3	48.3	8.2 Wa
9.0	7.3	52.5	8.8 a
9.4	13.3	28.5	
9.2	26.7	59.6	
9.8	26.9	18.3	
9.9	32.9	31.3	
9.0	33.9	36.0	
9.2	36.4	53.7	
9.1	46.9	39.1	
8.8	47.9	36.5	
8.6	50.4	20.6	9.0 a
9.8	51.9	5.5	
9.9	57.9	29.6	
9.8	26 1.9	9.2	
9.8	12.4	41.1	
9.4	12.4	28.6	
9.2	17.9	44.9	
9.9	22.9	21.1	
9.6	29.9	57.3	
10.0	46.4	3.9	
10.0	57.9	53.3	
9.4	27 7.9	20.1	
9.3	14.4	52.6	
9.2	16.4	20.3	
9.6	17.9	42.1	
9.8	20.4	50.5	
10.0	27.4	7.4	
9.8	47.9	41.5	
9.8	49.9	22.1	
9.3	49.9	9.9	
9.4	52.9	24.0	
9.3	57.4	34.6	
	+1 0.9	−0.9	

1501—1560.

mag.	6h. m s	−25° ′	
10.0	28 0.4	22.3	
9.0	3.9	4.6	Ga
10.0	5.4	24.2	
9.5	14.9	36.8	
9.4	16.4	2.4	
9.7	16.9	20.4	
9.8	21.4	33.4	
9.6	21.4	11.5	
9.8	26.4	23.5	
9.4	27.9	40.0	
9.3	30.4	25.9	
9.9	34.9	52.9	
9.2	51.4	24.1	
9.6	59.4	27.9	
10.0	29 1.9	28.6	
8.4	1.9	55.9	8.5 –
8.9	17.4	44.4	9.5
9.4	18.4	26.0	b
9.4	28.9	13.9	
9.8	51.9	39.3	
9.5	58.9	55.1	
9.4	30 2.9	8.9	
9.9	3.4	32.5	
9.6	5.9	48.6	
7.6	8.9	44.4	8.5 GSa
9.7	12.9	36.9	
9.8	15.4	27.0	
9.4	15.9	44.9	
9.2	16.2	56.9	9.0
9.6	21.9	23.9	
9.7	21.9	10.5	
8.8	24.4	45.6	
9.6	29.4	23.7	
8.4	34.0	56.5	8.2 Ga
10.0	42.4	53.8	
9.9	31 14.4	52.0	
9.9	22.4	43.0	
9.9	22.4	57.9	
9.8	29.4	36.9	
9.0	33.4	6.9	9.5 G
8.6	42.9	37.6	a
10.0	42.9	52.7	
9.7	48.1	38.9	
9.0	32 0.9	54.9	8.0 Gb
9.3	9.1	15.1	
9.5	11.8	53.5	
8.6	23.4	3.1	8.7 Ga
9.6	24.9	45.6	
9.9	27.4	26.6	
9.9	36.2	26.5	
9.2	49.0	40.9	
9.9	53.7	46.1	
9.9	33 2.2	48.2	
9.9	19.7	51.4	
9.4	21.7	30.8	
9.9	27.9	58.0	
8.8	33.7	47.5	
9.7	41.2	44.1	
9.9	53.7	56.2	
8.8	34 6.7	53.0	9.0 G
	+1 1.0	−1.1	

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1561—1620.

mag.	6ʰ m	s	−25° ′	
9·7	34	6·7	18·1	
9·9		11·2	49·5	
9·7		13·2	19·8	
9·9		30·2	33·6	
9·9		42·7	32·4	
9·1	35	3·7	30·6	
9·4		5·7	50·5	
9·1		6·7	22·5	
9·9		9·7	17·4	
9·9		22·7	37·8	
9·4		52·7	48·5	G
9·7		58·2	28·1	
8·3		58·7	48·0	9·0 G
9·7	36	2·7	28·0	
9·9		5·7	56·5	
9·7		8·6	55·7	
9·4		8·6	7·8	9·0
9·7		16·6	11·7	
9·9		17·6	3·0	
9·0		39·6	49·0	
9·4		41·6	8·2	
9·6		44·6	40·9	
9·4		47·6	0·7	
9·4		57·6	34·5	
8·9	37	14·6	51·8	9·0 a
8·3		21·6	33·9	8·5 Ga
9·9		23·6	26·0	
9·0		24·6	42·8	
8·6		44·6	31·0	a
9·0		56·6	46·4	
9·9	38	0·6	39·5	
9·7		1·6	5·3	
8·7		5·1	44·4	8·5
9·6		9·0	0·5	
9·5		11·1	8·2	
9·9		14·6	47·5	
9·7		16·1	19·4	
9·7		18·6	12·9	
9·6		23·6	53·7	
9·9		33·6	54·3	
9·5		36·6	41·9	
9·9		44·1	44·4	
8·4		46·1	38·8	8·2 Ga
9·9		46·6	7·9	
7·9		47·6	24·6	7·5 GSb
9·9	39	2·6	13·7	
9·8		3·6	27·9	
9·9		14·1	36·9	
9·9		18·6	14·6	
9·4		30·1	55·6	
9·6		32·6	48·0	
9·3		38·6	46·2	
9·9		43·6	25·9	
9·6		44·4	59·5	
9·9		53·1	52·9	9·0
8·6	40	1·6	42·5	9·0 a
9·7		6·6	42·0	
7·9		9·0	30·6	8·2 Ga
9·0		12·5	32·1	
9·9		13·0	13·2	
25pr.	+ 1	1·1	− 1·4	

1621—1680.

mag.	6ʰ m	s	−25° ′	
9·6	40	14·5	32·9	
9·3		27·5	36·9	
9·5		27·5	6·9	
9·5		28·0	34·7	
9·5		33·0	43·7	
9·5		37·0	18·1	
9·3		40·0	20·3	
9·0		40·5	36·1	
9·9		41·0	15·3	
9·9		45·5	1·1	
9·9		46·5	37·7	
9·0		50·0	46·1	9·5
9·0		53·0	3·6	
9·5		53·5	12·7	
9·9		56·0	27·7	
9·3		59·0	7·8	8·8
9·8	41	2·5	44·2	
8·4		4·5	13·1	8·0 Ga
9·9		12·5	2·9	
9·7		22·0	36·6	
8·7		22·5	52·0	9·0 a
9·0		23·5	25·7	
9·9		23·5	44·5	
9·1		30·0	4·9	9·5 a
9·8		31·0	33·7	
9·9		32·3	57·9	
9·1		36·5	41·3	
8·7		42·4	2·3	8·5 a
9·1	42	0·0	54·1	8·8 a
9·7		6·8	2·7	
8·7		21·5	35·3	8·5 a
9·3		22·5	54·1	
9·9		24·0	56·1	
8·1		26·5	32·9	8·0 a
8·6		29·5	1·6	8·8 a
9·7		35·5	38·6	
9·9		38·5	51·1	
9·9		45·5	15·1	
9·9		54·0	5·1	
9·6		55·5	30·4	
9·5	43	3·5	40·8	
9·8		12·5	24·5	
9·9		22·5	4·2	
9·3		27·5	45·6	
9·9		33·5	12·7	
9·0		37·5	31·0	8·7
9·7		47·5	40·9	
9·9		50·0	48·0	
9·7		53·8	23·9	
8·2	44	2·5	55·4	7·5 G–
9·7		7·0	47·9	
9·9		8·5	14·1	
9·9		16·0	8·7	
9·9		23·0	51·7	
9·7		33·5	51·7	
9·0		34·0	19·2	
8·8		46·5	53·8	8·9 G
9·3	45	7·0	31·4	
9·5		12·0	13·3	
9·9		12·5	37·9	
	+ 1	1·1	− 1·5	

1681—1740.

mag.	6ʰ m	s	−25° ′	
6·4	45	32·5	38·0	7·0 GSb
8·8		33·5	16·6	8·5 G
9·9		37·0	23·9	
9·9		53·5	44·1	
9·9	46	4·5	23·6	
8·9		16·5	50·7	8·8 G
9·9		19·0	49·9	
8·4		20·0	13·3	8·5
9·5		39·5	30·4	
8·4		44·5	36·4	9·0 G
9·7		44·5	54·7	
9·5		45·0	18·0	
9·5		46·5	20·0	
9·5		51·9	17·7	
9·7		52·4	37·9	
9·9	47	9·4	51·0	
9·7		10·4	17·8	
9·9		11·9	5·9	
9·7		20·4	8·7	
8·9		25·4	24·5	8·5 a
9·7		28·4	43·8	
8·9		32·4	58·7	
9·4		33·4	7·6	
8·4		36·4	58·0	7·5 Ga
9·9		46·4	58·7	
9·9		57·6	46·0	
9·9	48	7·4	18·4	
9·3		7·4	23·7	9·0 a
9·9		9·6	21·2	
9·3		10·9	30·2	
9·9		19·9	1·2	
9·5		24·4	58·3	
9·1		38·4	23·6	
9·8		43·4	1·3	
9·4		45·1	1·0	
9·0		46·4	15·6	
9·3		47·9	20·1	
9·1		49·4	47·2	
9·1		53·4	41·1	Ga
9·9		54·4	22·8	
9·3		54·9	18·0	
9·4		55·4	22·6	
9·9		59·9	27·0	
9·5	49	3·4	8·0	
9·7		4·4	58·9	
8·7		6·4	55·1	9·2 Ga
8·7		13·4	3·2	9·2
9·5		13·9	50·9	
9·7		14·9	8·3	
9·9		19·9	37·0	
9·9		23·4	28·6	
9·2		25·9	53·9	8·8 a
9·9		26·4	39·6	
9·9		26·4	27·2	
9·8		35·4	22·6	
9·7		36·1	32·7	
9·5		42·1	9·3	
9·4		46·1	37·4	
9·6		46·1	13·6	
9·4		47·6	3·0	
	+ 1	1·2	− 1·7	

1741—1800.

mag.	6ʰ m	s	−25° ′	
9·6	49	48·1	42·0	
9·9		49·1	36·6	
9·9	50	1·1	33·0	
9·4		17·6	55·7	
9·3		23·1	56·0	
9·1		27·6	1·9	
9·9		35·4	53·4	
9·0		36·1	2·1	
9·9		38·6	50·9	
7·7		46·1	21·5	7·5 GSa
9·4		55·6	42·8	
9·2	51	6·6	23·4	
9·5		12·1	53·5	
9·3		23·1	5·4	
9·8		25·6	17·7	
8·4		27·6	44·8	8·0 Gb
9·5		28·3	1·1	
9·1		28·6	39·6	
9·9		28·6	11·1	
9·1		31·3	58·2	
9·5		43·1	41·7	
9·9		55·6	4·9	
9·5	52	8·6	20·0	
8·4		9·1	39·2	8·0 Ga
9·8		9·6	21·3	
9·5		11·1	32·4	
9·9		13·6	19·4	
9·5		14·6	35·9	
9·4		15·1	15·7	
9·9		17·6	59·3	
9·9		34·6	33·2	
9·7		40·5	53·8	
9·4		41·1	10·4	
9·8		43·0	45·8	
9·5		47·0	17·8	
9·6		53·5	20·2	
9·9		54·5	57·6	
9·9	53	1·0	25·3	
9·3		4·0	28·1	9·0
9·4		11·0	14·3	
9·7		11·5	3·3	
9·5		12·0	29·5	
9·5		16·0	53·6	
9·9		16·2	57·0	
9·8		18·0	14·8	
5·8		29·0	14·7	6·0 GSπ
9·9		36·0	46·2	
9·6		36·0	40·4	
9·0		39·5	14·4	
9·9		39·5	4·9	
9·0		44·7	55·1	
9·5		46·5	24·1	
9·8		51·3	23·0	
8·7		51·3	10·0	9·5 a
9·7		51·8	27·0	
9·9		54·8	22·1	
9·3	54	13·8	12·1	
9·8		15·6	38·0	
9·8		22·2	7·1	
9·8		22·8	14·5	
	+ 1	1·3	− 1·9	

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1801—1860.

	6h.		−25°	
mag.	m	s	′	
9·8	54	25·7	8·1	
9·8		26·7	56·7	
9·4		35·7	31·4	
9·5		36·7	55·9	9·5
9·8		43·0	16·8	
9·8		43·7	18·3	
9·6		48·0	42·8	
8·6		50·0	54·5	8·8 a
9·8		50·5	45·1	
9·7		52·5	16·5	
9·8	55	3·0	35·6	
9·6		10·5	51·8	
9·8		11·0	58·0	
9·8		11·5	52·5	
9·6		16·5	37·0	
8·5		33·0	48·1	8·5 a
9·1		33·5	5·6	
9·6		33·5	25·7	
9·8		33·5	46·8	
9·8		37·5	15·4	
9·6		39·6	20·2	
8·0		41·1	28·1	8·0
8·1		42·6	55·2	8·2 GSa
9·6		43·6	40·8	
9·6		54·6	4·3	
9·6		56·6	11·3	
6·5		57·4	2·4	6·0 GSb
9·4	56	6·6	3·3	9·5
8·0		6·6	46·4	7·5 GSa
9·7		8·6	28·3	
8·8		13·1	1·9	9·5
9·4		14·6	23·6	
9·8		16·6	40·7	
9·0		24·1	21·3	8·5 G
9·8		27·1	54·9	
8·6		31·6	26·4	8·5 a
9·5		31·6	58·8	
8·8		39·4	1·8	8·8
9·1		40·6	23·0	
9·1		40·6	23·5	
9·5		47·6	12·2	
9·4		49·6	48·3	
8·8		53·6	31·9	8·5 a
9·8		57·6	33·3	
9·6		58·1	35·9	
9·6	57	0·1	41·8	
9·4		1·1	39·6	
9·6		6·6	19·3	
9·3		9·1	5·8	
9·8		13·6	6·9	
9·8		13·6	11·0	
9·4		16·1	59·8	
9·0		19·4	0·7	9·0 G
9·4		21·6	48·9	
9·4		36·6	54·7	
9·8		39·6	37·9	
9·8		41·6	54·9	
9·8		46·6	19·4	
9·6		46·6	44·6	
9·8		52·1	35·0	
25pr.	+ 1	1·3	−2·0	

1861—1920.

	6h.–7h.		−25°	
mag.	m	s	′	
9·8	57	52·6	45·7	
9·7		54·0	16·2	
9·7		56·5	44·2	
8·8		57·5	8·7	8·2
9·3		58·5	43·9	
9·6		58·5	10·3	
9·6	58	13·0	46·9	
9·5		13·5	59·9	
8·8		13·5	41·2	
9·2		14·0	17·5	
8·8		16·5	55·7	8·5 Ga
9·8		16·5	43·3	
9·0		18·0	1·0	
9·4		19·2	58·0	
8·8		22·5	34·6	9·0
9·8		28·5	12·3	
9·7		36·5	28·2	
9·6		38·0	49·4	
8·2		40·5	28·2	8·5 Ga
9·4		43·5	27·5	
9·5		43·5	3·1	
9·6		43·5	47·5	
9·8		47·0	19·1	
9·4		56·5	55·8	
9·5		56·5	39·1	
8·8		57·0	29·7	a
9·4	59	2·0	36·5	9·5
9·1		4·0	0·0	9·0
9·6		6·0	1·2	
9·8		6·5	23·9	
9·8		11·5	40·9	
9·6		17·5	54·8	
9·3		22·5	33·7	
9·6		29·0	1·4	
9·6		36·0	32·7	
9·6		37·5	51·4	
9·8		43·0	10·9	
9·4		43·5	14·2	
9·6		44·0	49·1	
9·6		47·5	38·7	
9·6		49·5	5·2	
9·8		52·0	42·3	
9·8		58·5	29·3	
9·1		58·5	36·1	
9·8	0	3·5	39·0	
9·0		9·0	36·5	9·0 a
9·8		9·5	50·9	
9·6		10·0	2·7	
9·6		11·5	15·2	
9·0		13·5	46·4	
9·8		21·0	40·8	
9·8		21·5	6·0	
9·0		21·5	54·5	9·0 G
9·3		33·5	51·0	
9·8		33·5	24·3	
9·1		34·5	51·5	8·0
9·4		37·5	5·3	
9·6		38·5	27·7	
9·7		42·5	54·3	
9·7		48·5	43·3	
	+ 1	1·4	−2·1	

1921—1980.

	7h.		−25°	
mag.	m	s	′	
9·0	0	50·5	7·3	9·0
9·8		56·5	4·6	
9·4	1	0·5	46·1	8·5
9·6		1·3	0·2	
9·8		12·5	49·1	
9·8		14·5	10·6	
9·0		19·0	23·8	
9·3		19·5	19·1	
8·7		19·5	16·7	8·5 a
9·6		20·0	42·3	
9·8		21·5	1·5	
9·8		22·0	38·5	
9·0		25·5	56·2	
9·6		28·5	12·5	
8·8		31·5	48·0	9·0
9·6		38·5	16·9	
8·8		38·5	7·6	9·2 Ga
9·1		38·5	33·9	
9·8		46·0	47·1	
9·8		49·0	1·2	
9·8		50·5	11·9	
8·7		56·5	35·2	
9·2		57·5	41·8	
9·8	2	6·5	22·2	
8·9		12·5	13·1	8·0 Ga
9·0		12·5	21·7	
9·8		13·0	9·4	
9·2		14·5	22·2	
9·3		14·5	10·1	
9·8		15·0	57·0	
9·2		15·5	6·5	9·5
9·7		15·5	28·5	
9·6		16·4	17·7	
9·5		18·4	17·3	
9·5		18·4	1·5	
8·8		18·4	43·3	
8·4		21·0	24·5	8·5 Ga
9·4		24·5	51·1	
9·4		25·0	17·5	
9·6		25·6	41·6	
9·6		27·0	38·1	
9·7		29·5	43·9	
9·2		30·5	17·6	
9·1		32·0	1·4	
9·8		32·5	21·5	
8·4		37·5	5·3	8·7 Ga
9·8		42·0	58·9	
8·8		42·5	16·6	9·0
9·6		48·5	24·8	
9·4		53·0	53·1	
9·6		56·5	7·7	
9·7		56·6	34·6	
9·6		57·5	40·4	
9·3		58·5	45·3	
9·8		58·6	10·2	
9·6	3	7·1	0·6	
8·8		9·0	11·5	
9·6		10·5	31·3	
9·8		18·0	30·5	
9·6		20·5	3·1	
	+ 1	1·4	−2·2	

1981—2040.

	7h.		−25°	
mag.	m	s	′	
9·8	3	20·5	28·9	
9·4		26·0	26·9	
9·6		29·5	30·7	
9·8		31·5	0·8	
9·6		33·5	30·1	
9·8		36·5	4·1	
9·3		36·5	12·1	
9·5		37·5	6·1	
9·6		38·5	23·7	
8·3		38·5	25·1	8·0 Ga
9·8		42·0	30·1	
9·8		43·0	46·1	
9·6		48·5	47·5	
9·4		49·5	26·9	
9·8		49·5	29·5	
9·8		53·0	10·9	
9·8		54·2	53·8	
9·7		56·2	18·4	
9·6		57·2	3·2	
9·8	4	3·7	6·0	
9·7		11·2	40·1	
9·8		11·7	18·6	
9·8		12·7	16·2	
9·0		14·2	29·2	
9·1		15·7	31·9	a
9·4		16·2	41·4	
9·3		16·7	13·9	
9·8		21·2	10·9	
9·8		31·0	14·6	
9·6		33·2	49·4	
9·8		33·4	22·1	
6·2		33·9	1·9	6·5 GStπ
9·1		35·2	18·7	a
8·4		36·2	0·5	8·5 GStπ
9·0		37·2	5·5	
9·6		46·2	48·9	
9·7		51·7	6·0	
9·2		52·2	18·5	
9·8	5	3·2	29·6	
9·1		3·7	21·6	
9·8		7·2	36·1	
9·5		8·2	26·1	
9·8		15·2	56·2	
9·8		16·2	22·1	
9·4		16·2	8·0	
9·8		20·2	25·1	
9·1		21·2	10·4	
9·8		22·2	58·1	
9·0		24·2	14·5	9·0
9·1		26·7	7·2	9·2 a
9·8		31·4	35·4	
9·6		32·2	43·6	
9·6		33·2	12·2	
9·3		34·2	55·6	8·5
9·8		37·2	18·3	
9·8		41·7	25·1	
9·8		43·2	35·1	
8·8		46·0	13·1	8·5 Ga
9·1		46·5	4·4	
8·4		52·0	43·2	8·5 Ga
	+ 1	1·5	−2·3	

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2041—2100.

mag.	7h. m s	−25° ′	
9·6	5 53·0	18·9	
9·8	53·5	4·6	
8·9	55·0	34·7	
9·8	6 0·5	22·2	
9·2	2·0	41·1	9·0
8·8	8·0	42·1	8·5 Ga
9·8	13·0	55·1	
9·2	18·0	23·1	
9·7	18·5	47·2	
9·8	20·3	1·3	
9·4	22·0	10·0	
9·5	22·5	35·7	
9·6	24·0	10·8	
9·8	25·5	47·2	
9·5	27·0	26·4	
9·6	27·0	27·3	
8·6	27·0	33·8	Ga
9·4	31·5	36·5	
8·8	32·5	21·2	b
9·4	33·5	13·2	
9·8	34·5	11·0	
9·4	38·0	44·4	
9·4	52·0	45·6	
9·0	55·5	11·8	
9·5	56·0	10·9	
9·6	7 2·5	46·2	
6·2	6·0	44·0	6·5 GSπβ
9·4	6·0	18·9	
9·8	7·5	3·8	
9·5	8·0	13·5	
9·4	11·0	53·0	
9·8	13·5	3·7	
9·7	17·0	21·5	
9·0	17·0	17·4	
8·9	20·0	49·8	
9·8	22·5	26·2	
9·3	22·5	7·7	
9·4	23·1	49·1	
9·8	23·1	25·6	
9·6	28·1	12·9	
9·4	37·6	55·1	9·0
9·6	41·6	26·3	
9·8	46·1	6·2	
9·8	47·1	8·1	
9·0	49·1	18·2	
9·3	54·1	9·6	
9·8	58·6	51·4	
9·8	8 0·1	6·1	
9·6	2·2	34·7	
9·8	2·6	14·2	
9·8	8·1	12·5	
9·2	9·1	32·3	
9·8	10·6	48·8	
9·5	12·1	7·1	
9·8	13·1	14·3	
9·6	17·2	28·5	
9·8	17·6	14·1	
9·6	22·2	57·1	
9·0	26·1	7·2	
9·8	37·6	42·6	
25pr.	+1 1·5	−2·4	

2101—2160.

mag.	7h. m s	−25° ′	
9·3	8 38·1	57·1	
9·8	39·6	54·0	
9·6	40·6	30·4	
9·6	42·1	42·4	
9·6	42·6	28·4	
9·6	44·1	32·6	
9·4	45·6	28·4	
9·3	52·1	7·1	
9·3	52·1	11·7	
9·6	53·1	50·9	
9·1	54·6	53·8	7·8 Ga
9·5	57·1	41·1	
9·8	9 3·6	33·4	
9·8	4·6	30·8	
9·3	6·1	56·8	
9·8	8·2	43·3	
9·8	9·1	45·3	
9·4	12·1	30·2	
9·4	15·1	33·1	
9·5	15·9	58·0	
9·5	23·1	35·2	
7·8	24·8	5·4	8·2 G–
9·8	28·8	24·7	
9·8	45·5	8·1	
9·8	46·3	17·9	
9·4	51·3	57·1	
9·6	52·8	27·5	
9·6	52·8	3·6	
8·8	54·3	30·2	
9·8	57·8	56·7	
9·4	10 5·8	15·7	
9·4	5·8	29·7	
9·8	5·8	5·6	
9·0	8·8	27·5	
9·3	13·3	8·5	
9·8	13·7	58·5	
9·5	15·3	40·5	
8·1	16·3	42·5	8·5
9·8	17·8	54·2	
9·4	20·3	28·5	
9·4	21·8	43·3	
9·3	24·8	53·5	
9·0	39·8	32·2	9·0
9·0	48·8	32·4	9·5
9·6	11 0·8	35·0	
9·2	2·8	0·5	
9·4	7·8	3·5	
9·3	8·8	27·4	
9·8	13·8	27·1	
9·3	17·3	17·3	
9·1	31·8	2·8	
9·6	55·5	19·0	
9·5	12 2·5	31·9	
9·8	2·5	32·2	
9·0	3·5	38·6	
9·0	10·5	33·0	8·5 a
9·4	11·5	49·5	
9·6	13·0	27·3	
9·3	15·5	55·8	
9·6	16·0	19·0	
	+1 1·6	−2·5	

2161—2220.

mag.	7h. m s	−25° ′	
9·8	12 23·5	41·7	
9·5	27·5	19·9	
9·3	32·5	12·6	
9·8	39·5	43·2	
8·4	40·5	45·8	8·0 Ga
9·8	49·5	36·9	
9·8	49·5	52·1	
9·5	51·5	57·2	
9·4	51·5	17·6	
9·2	52·5	14·6	
9·8	55·5	3·1	
9·8	58·4	1·7	
9·6	13 1·5	19·1	
9·4	2·0	11·7	
9·0	5·5	35·4	
9·3	12·3	1·0	
9·8	12·7	2·1	
9·6	15·5	34·8	
9·8	26·0	57·6	
9·5	27·0	19·4	
9·7	30·5	47·8	
9·2	40·5	19·5	
9·1	42·3	0·6	
9·8	43·5	52·1	
9·5	46·0	25·0	
9·8	54·5	10·0	
9·8	55·5	53·8	
9·4	14 0·0	6·8	
8·8	0·5	17·5	9·5 a
7·9	1·5	20·3	8·5 Ga
9·8	5·5	47·4	
9·8	19·0	16·2	
9·2	21·0	40·3	
9·8	23·0	3·9	
9·8	24·2	1·4	
9·8	27·5	59·2	
9·0	28·5	15·8	
9·8	35·0	14·6	
9·8	35·5	12·9	
9·3	37·0	40·3	
9·8	37·5	58·1	
9·7	38·4	14·5	
9·5	41·5	4·1	
9·8	43·0	18·7	
9·3	45·5	39·3	
9·2	46·5	21·1	
9·8	47·5	48·0	
9·8	47·5	9·7	
9·3	51·5	10·2	
9·6	53·5	45·6	
9·6	55·4	29·8	
9·1	15 1·5	38·0	9·0
9·4	1·5	40·4	
9·2	2·5	40·9	
9·7	5·0	3·3	
9·5	9·5	3·8	
9·2	9·5	5·3	
9·0	11·5	24·6	
9·8	15·0	49·1	
9·5	27·0	8·7	
	+1 1·7	−2·7	

2221—2280.

mag.	7h. m s	−25° ′	
9·5	15 28·5	46·6	
8·8	30·5	33·0	a
9·6	41·5	32·6	
9·8	45·5	6·1	
9·6	49·4	53·5	
9·5	50·5	58·5	
9·0	53·5	56·4	9·2
9·5	54·0	58·8	9·0
8·4	55·5	52·9	8·7 a
8·2	56·5	39·4	6·5 GStπ
9·5	16 0·5	39·1	
9·6	1·4	27·6	
9·4	3·5	49·8	
9·6	3·5	25·0	
9·3	5·5	5·5	
9·1	6·5	40·0	
9·2	7·5	58·5	
9·8	9·5	29·7	
9·0	11·5	14·0	9·5 a
9·4	11·5	28·5	
9·8	15·0	59·6	
9·4	16·0	12·7	
9·8	24·0	19·8	
9·1	25·5	44·1	a
9·4	25·5	28·3	
9·8	27·5	54·4	
9·4	27·5	20·3	
9·6	28·5	5·6	
9·6	28·5	9·6	
9·0	33·5	39·9	9·0 a
9·8	35·5	5·7	
9·6	40·0	59·5	
9·6	42·1	40·2	
9·2	43·5	22·2	
9·5	47·2	29·4	
9·5	48·7	31·0	
9·8	50·1	47·8	
9·8	50·6	39·7	
9·4	51·9	21·9	
9·8	52·1	11·2	
8·8	52·6	38·3	
9·0	52·7	10·8	
9·8	55·3	0·5	
9·8	59·6	34·1	
9·8	17 0·6	19·3	
9·1	3·7	44·9	
9·8	4·6	55·9	
9·8	4·6	42·0	
9·6	4·8	43·6	
9·0	4·9	39·4	
9·8	6·6	44·7	
9·4	9·9	2·4	
9·8	10·6	6·0	
9·8	10·6	56·2	
9·6	10·9	25·0	
9·8	17·1	18·6	
9·8	19·1	49·1	
9·6	20·9	29·1	
9·6	22·9	20·9	
9·8	25·4	47·0	
	+1 1·7	−2·8	

2281—2340.

mag.	7^h m	s	−25° ′	
9.8	17	30.9	8.0	
7.4		35.4	46.4	7.5 GSa
9.8		41.0	25.7	
9.8		45.5	34.1	
9.8		48.6	56.7	
8.8		49.9	31.6	7.5 Ga
9.4		51.6	33.8	
9.8		51.6	19.9	
9.8		52.6	13.8	
8.7		53.1	16.8	
8.6		54.6	17.5	
9.6		54.6	47.4	
9.7		57.6	53.7	
9.4	18	1.6	12.0	
9.1		4.6	43.0	
9.4		5.6	52.8	
9.5		11.1	15.6	
9.3		11.6	41.0	
9.8		18.6	9.2	
9.7		19.6	50.6	
8.9		22.6	32.8	
8.8		23.1	50.4	9.0 a
9.8		24.1	9.0	
8.6		24.6	8.8	9.2
9.4		29.1	11.3	
9.8		30.6	2.4	
9.8		33.4	57.7	
9.7		40.6	24.4	
8.6		46.6	17.0	8.5 a
9.4		49.6	39.2	
9.6		50.6	16.7	
9.0		51.6	38.8	
8.5		51.6	23.8	8.5 a
9.8		51.6	6.2	
9.2		52.1	27.1	
9.5	19	0.1	26.5	
8.8		0.6	7.0	9.5
8.9		0.6	52.3	9.0 a
9.8		3.6	52.5	
9.8		6.1	29.9	
8.8		7.6	18.4	8.5 a
9.3		7.6	51.5	
9.8		10.1	9.9	
9.7		10.6	10.4	
9.5		11.6	43.6	
9.4		11.9	59.0	9.0
9.8		13.1	45.2	
9.8		14.6	27.0	
9.0		15.1	0.3	
8.7		15.8	29.8	9.0 Ga
9.4		19.1	51.2	
9.1		19.6	5.6	
9.6		20.9	0.9	
9.4		25.6	16.4	
9.0		26.6	48.0	
9.8		27.6	17.6	
9.0		30.6	14.9	
9.3		33.6	23.6	
9.6		34.6	57.8	
9.4		48.6	3.9	
25pr.	+1	1.8	−2.8	

2341—2400.

mag.	7^h m	s	−25° ′	
9.8	19	54.6	53.9	
9.8		55.6	39.6	
9.6		57.6	21.8	
9.2	20	2.6	54.0	
9.8		4.6	16.0	
9.2		5.6	31.7	
9.4		7.1	39.6	
9.6		9.1	22.2	
8.8		9.1	34.8	
9.8		10.6	34.6	
9.7		13.6	12.9	
9.8		15.1	43.7	
9.0		16.6	37.2	
9.8		19.1	26.2	
8.7		30.6	48.9	9.0 a
9.6		39.9	2.5	
9.2		40.6	41.7	
9.8		41.1	46.0	
9.8		45.6	38.4	
9.0		55.6	26.1	
9.4		56.1	0.7	
9.8		57.6	12.5	
8.4	21	3.4	59.3	9.0 Ga
9.3		7.4	59.3	
9.8		9.6	15.6	
9.6		11.6	29.2	
9.8		19.1	55.0	
9.2		19.6	40.6	
9.5		21.6	16.1	
9.7		22.6	6.4	
9.7		30.1	16.9	
9.1		35.1	42.0	
9.4		36.6	21.5	
9.3		40.1	42.3	
9.8		53.6	43.4	
9.4		55.6	46.3	
9.2	22	0.6	23.7	
9.4		2.6	40.6	
9.6		22.6	48.4	
9.0		23.1	3.5	
9.8		34.1	12.7	
8.5		34.2	59.0	8.5 a
9.8		34.6	55.1	
9.8		35.4	0.1	
9.4		42.1	31.1	
9.8		44.6	31.5	
9.2		44.6	3.6	
9.5		54.4	2.4	
9.7		59.6	32.7	
9.6	23	2.6	48.8	
9.1		5.6	55.5	
9.7		5.9	1.7	
9.3		23.1	59.0	
9.8		28.1	49.0	
9.4		35.4	59.9	
9.4		35.6	15.1	
9.7		35.6	44.0	
9.1		38.6	39.6	
9.2		39.6	31.6	
9.8		39.6	45.1	
	+1	1.9	−2.9	

2401—2460.

mag.	7^h m	s	−25° ′	
9.8	23	40.6	3.2	
9.7		40.6	22.6	
9.7		48.6	43.9	
9.1		55.6	4.2	
9.8		55.6	24.0	
9.8		55.6	54.0	
9.5		58.1	39.9	
9.5	24	4.1	43.2	
9.8		4.1	50.1	
9.7		5.1	40.2	
9.3		5.6	46.7	
9.2		7.1	7.1	
9.6		7.1	2.1	
9.8		10.1	5.3	
9.5		14.6	35.0	
9.2		19.6	21.5	
9.6		19.6	47.9	
8.9		25.6	26.6	
9.3		25.6	52.3	
9.0		32.1	37.3	
9.3		37.1	40.2	
9.2		42.1	52.9	9.0 a
8.7		44.1	48.6	9.5 a
9.8		44.2	42.4	
9.8		44.6	33.5	
9.8		45.1	18.5	
9.6		46.1	32.3	
9.2		46.6	28.6	
9.8		47.1	54.4	
9.7		49.6	26.7	
9.0		50.6	4.6	
9.8		52.6	42.7	
9.5		54.6	27.2	
9.2		54.6	51.4	9.2
9.5		58.1	10.2	
9.5	25	2.6	24.2	
9.7		10.6	35.1	
9.6		12.6	24.1	
9.4		17.6	14.8	
9.1		18.1	57.0	
9.0		19.6	49.2	
9.4		20.6	57.7	
9.3		25.6	59.1	
9.2		31.6	56.5	
9.0		32.9	2.8	9.5
9.8		33.6	36.5	
9.8		34.1	11.2	
9.5		35.6	32.7	
9.6		35.6	45.1	
9.5		40.6	27.5	
9.4		43.1	8.0	
9.3		45.1	36.2	
9.5		47.6	59.1	
9.5		57.1	56.7	
9.3	26	5.1	43.5	
9.6		13.6	51.3	
9.2		15.6	31.3	
9.1		19.6	38.0	
9.4		21.1	46.2	
9.8		23.1	30.4	
	+1	2.0	−3.0	

2461—2520.

mag.	7^h m	s	−25° ′	
9.7	26	23.1	17.2	
9.6		30.6	50.9	
9.8		31.1	11.2	
9.8		33.1	1.4	
9.8		35.5	11.6	
9.8		36.5	34.4	
9.8		36.6	2.4	8.5
9.8		37.1	49.7	
9.0		37.6	21.9	
9.2		40.6	50.3	
9.4		41.6	31.3	
9.6		45.1	50.0	
8.1		46.6	8.8	8.2 Gal
9.8		48.7	0.8	
9.8		49.6	52.4	
9.7		49.6	13.4	
9.3		53.1	54.7	
9.6		54.6	21.1	
9.4		54.6	30.9	
9.2		56.6	17.3	
9.3		57.6	51.7	
9.8	27	0.6	32.4	
9.8		4.9	2.4	
9.8		6.1	44.1	
9.7		6.1	28.8	
9.7		9.6	35.2	
9.4		11.6	30.3	
9.7		14.1	9.3	
9.5		16.6	54.5	
9.8		19.6	6.4	
8.6		23.6	51.5	8.5 a
9.6		26.6	12.4	
9.6		28.6	52.8	
9.3		32.6	50.9	
9.8		44.6	1.8	
9.6		45.9	1.3	
9.5		47.6	21.7	
9.2		50.6	45.0	
9.2		50.6	50.8	
9.7		50.6	24.0	
9.8		54.1	39.1	
9.6		55.6	50.1	
9.0	28	4.1	7.9	
9.6		8.6	36.9	
9.8		9.1	50.7	
9.6		11.6	34.0	
9.8		15.6	39.2	
9.6		18.1	37.7	
9.8		23.1	19.0	
9.8		24.5	36.2	
9.4		37.5	47.2	
9.4		38.0	37.6	
9.8		41.5	17.8	
9.8		44.0	57.1	
9.8		44.5	57.8	
9.8		49.0	13.9	
9.5		50.5	36.3	
9.3		56.5	9.8	
9.4	29	0.8	1.1	
9.4		5.0	30.3	
	+1	2.0	−3.1	

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2521—2580.

mag.	7h. m	s	—25° ′	
9.4	29	10.5	30.1	
9.8		11.5	30.9	
9.4		15.5	10.5	
9.8		15.5	54.3	
7.1		20.0	50.6	7.2 GStπ
9.8		21.2	52.2	
9.8		21.8	0.6	
9.6		24.0	29.7	
9.4		25.0	13.0	
9.6		25.0	34.2	
9.8		33.5	9.7	
8.4		35.0	45.7	7.2 a
9.8		37.5	30.7	
9.8		41.0	35.7	
9.6		47.5	34.2	
9.4		47.5	33.3	
9.4		49.0	31.0	
9.5		50.5	3.9	
9.4		51.5	54.3	
9.4		55.5	58.8	
9.6		56.0	22.9	
9.6		57.5	28.3	
8.7		57.5	50.8	8.2 GSa
8.8	30	1.8	1.9	9.0
9.4		4.5	36.5	
8.7		5.0	21.3	a
9.8		5.5	57.5	
9.5		5.5	3.9	
9.6		10.5	28.7	
9.8		12.5	31.5	
8.5		17.9	7.3	8.5 Gal
9.8		20.4	30.5	
7.8		23.4	52.7	8.2 GSa
9.8		25.4	28.5	
8.6		29.9	3.9	9.0 al
9.8		38.9	17.2	
9.8		39.9	27.5	
9.8		39.9	14.9	
9.8		40.4	43.7	
9.2		45.4	13.2	
8.6		48.4	14.1	8.5 a
9.8		50.4	17.2	
9.4		53.4	31.2	
9.8		55.9	19.4	
8.4		55.9	10.7	8.5 al
9.4		59.9	47.3	
9.6	31	0.4	17.2	
9.3		0.7	3.0	
9.8		1.4	55.5	
9.6		2.9	37.9	
9.1		3.9	38.3	
9.3		4.4	12.1	
9.8		10.9	21.5	
9.6		13.9	45.2	
9.6		14.4	39.8	
9.8		20.4	21.6	
7.4		20.4	3.5	7.5 GSal
9.0		23.4	11.9	a
9.8		27.4	37.3	
9.6		27.4	22.5	
25pr.	+ 1	2.1	—3.2	

2581—2640.

mag.	7h. m	s	—25° ′	
9.5	31	27.4	9.9	
9.8		31.4	6.3	
9.8		33.4	25.1	
9.8		40.4	5.5	
9.8		46.4	18.0	
9.8		50.4	45.5	
9.5		50.9	35.8	
8.5		52.4	34.4	9.0
8.9		56.4	39.1	9.0
9.8		56.4	13.6	
9.6		56.4	29.7	
9.6	32	1.9	23.2	
9.6		3.4	31.3	
9.8		4.9	53.6	
9.8		5.4	37.7	
9.8		5.4	14.5	
9.8		8.4	15.3	
9.4		10.4	27.2	
9.4		11.9	27.9	
9.8		16.4	3.0	
9.8		19.4	12.5	
9.0		22.9	10.3	8.5 a
9.4		25.9	23.4	
9.8		28.9	7.3	
9.8		34.9	21.1	
9.8		40.4	34.9	
9.8		42.4	11.5	
9.8		43.9	55.1	
9.4		45.4	16.7	
8.6		45.4	42.7	
9.6		45.4	6.1	
9.4		48.9	40.9	
9.4		48.9	35.1	
9.0		52.9	43.9	
9.6		53.4	14.7	
9.4		54.4	5.4	9.0 a
9.6		55.7	58.1	
9.4		57.4	19.9	
9.8		57.4	36.7	
9.7	33	0.4	53.3	
9.8		2.4	6.4	
9.4		4.4	41.1	
5.4		5.9	5.0	5.8 GSlπ
9.6		17.9	45.5	
9.8		20.4	1.8	
9.6		21.4	17.8	
9.8		26.9	28.9	
9.8		31.4	21.2	
9.8		35.4	41.8	
9.8		40.4	11.8	
9.8		42.9	33.5	
9.6		46.4	32.8	
9.6		50.4	37.5	
9.8		50.4	10.1	
9.6		55.9	51.4	
8.1	34	0.4	9.6	8.8 Gal
9.0		0.4	23.0	a
9.6		0.4	24.6	
9.8		1.4	58.3	
9.3		4.9	47.8	
	+ 1	2.2	—3.3	

2641—2700.

mag.	7h. m	s	—25° ′	
9.1	34	7.9	52.4	
9.8		7.9	14.4	
9.6		15.4	7.3	
9.8		25.4	26.2	
9.6		26.6	57.0	
9.5		29.4	49.9	
9.4		30.4	39.9	
9.4		31.9	35.7	
9.0		35.4	52.7	
9.8		36.9	19.0	
9.7		41.4	33.2	
9.6		41.9	21.2	
8.8		43.9	33.4	8.0 Ga
9.5		45.4	17.1	
8.8		48.9	15.7	9.0 a
9.8		52.4	49.2	
9.6	35	0.4	11.9	
9.8		2.9	11.6	
9.8		2.9	41.1	
9.8		4.4	46.1	
9.8		7.9	12.8	
9.1		10.9	17.9	
9.8		16.4	47.3	
9.6		16.4	7.6	
9.6		18.9	28.1	
9.1		20.4	39.7	
9.8		21.4	39.0	
9.7		21.5	30.2	
9.8		22.4	17.4	
9.8		23.5	32.4	
9.6		23.9	52.3	
9.5		24.4	11.7	
9.6		25.4	48.7	
9.0		26.4	10.2	
9.4		29.4	9.8	
9.6		39.4	10.1	
9.4		40.4	37.8	
9.0		40.4	12.8	9.0
9.8		42.4	49.2	
9.8		43.4	9.9	
9.4		44.4	6.3	
9.4		45.4	48.8	
9.4		45.4	4.0	
8.6		56.4	19.8	8.5 —
9.8		57.4	46.7	
9.8	36	4.4	33.1	
9.8		4.9	12.0	
9.5		7.4	20.4	
9.8		9.9	59.1	
9.4		10.4	58.7	
9.4		10.4	36.9	
9.8		18.9	38.8	
9.8		27.1	0.6	
9.6		30.4	8.0	
9.8		32.9	49.9	
9.6		34.9	5.7	
9.8		34.9	57.8	
9.6		35.4	18.2	
9.6		35.4	35.1	
9.8		35.4	57.0	
	+ 1	2.3	—3.4	

2701—2760.

mag.	7h. m	s	—25° ′	
9.8	36	36.9	47.3	
9.8		39.4	6.4	
9.0		39.9	42.4	
9.4		42.4	18.2	
9.0		47.9	34.9	
9.4		54.5	26.7	
9.4		55.5	54.2	
8.6		57.5	36.4	9.0
9.5	37	0.5	10.3	
9.0		1.5	42.7	
9.8		1.5	46.6	
9.8		2.0	49.1	
9.3		3.5	46.7	
9.7		6.4	27.8	
9.6		9.5	24.9	
9.7		11.5	24.7	
9.3		18.0	42.7	
9.5		18.5	2.6	
9.8		20.0	48.4	
9.5		20.5	50.2	
9.4		21.0	57.6	
9.6		25.5	38.2	
9.4		28.5	44.9	
9.8		29.5	26.8	
9.6		30.5	6.2	
9.5		30.5	1.9	
7.8		46.5	32.6	8.5 bl
9.8		49.0	53.2	
9.0		49.5	0.0	
9.6		51.0	2.2	
9.6		57.0	4.5	
9.8		58.0	24.8	
9.6	38	1.5	10.3	
9.2		4.5	5.9	9.0
9.8		4.5	3.2	
9.8		5.0	33.6	
9.8		5.2	59.4	
9.2		5.5	4.4	
9.2		7.0	29.2	
9.7		10.5	25.7	
9.6		10.5	0.4	
9.2		13.0	3.4	
9.2		15.0	27.7	
9.7		17.5	10.4	
9.3		20.5	28.2	
9.3		21.5	18.3	
7.4		27.0	12.4	7.0 GSbl
9.8		27.0	46.2	
9.7		28.0	21.2	
9.6		30.5	37.3	
9.8		35.5	24.8	
8.9		42.2	0.1	
9.1		50.5	20.7	
9.7		50.5	3.9	
9.8		53.5	29.4	
9.6		54.5	2.1	
9.1		54.5	55.6	
9.5		56.5	49.0	
9.8		58.0	30.0	
9.6	39	4.5	12.0	
	+ 1	2.3	—3.5	

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2761—2820.

mag.	7h. m	s	—25° ′	
9.8	39	5.2	3.7	
8.8		5.2	29.2	
9.8		6.0	28.8	
9.4		7.4	19.1	
8.4		8.4	24.8	8.5 Ga
9.6		9.5	15.6	
9.2		11.2	37.5	
9.4		13.5	46.2	
9.6		13.5	14.3	
9.7		17.0	57.3	
9.8		17.5	16.0	
9.8		18.9	9.4	
9.8		19.0	13.9	
9.4		19.7	19.7	
9.8		20.5	7.9	
9.6		28.7	4.1	
9.3		34.9	55.2	
9.8		40.0	30.8	
9.3		43.0	52.4	
9.4		44.7	35.5	
9.6		45.7	53.3	
9.8		46.4	35.9	
9.8		47.5	8.1	
9.8		50.5	19.0	
8.9		51.0	18.2	9.5
9.8		51.2	56.0	
9.2		53.3	3.3	
9.9		53.3	50.9	
9.0		54.3	15.7	
9.9		54.3	14.4	
9.9		54.5	0.7	
9.4		56.3	27.5	
9.8		59.3	15.4	
9.8	40	0.8	15.2	
9.5		3.0	1.1	
9.8		3.8	16.7	
9.5		5.3	38.6	
9.9		8.1	29.5	
9.2		9.3	3.8	
9.5		9.3	15.7	
9.5		10.3	38.8	
9.6		10.3	8.4	
9.5		11.3	49.0	
9.6		11.8	41.0	
9.5		14.3	58.8	
9.8		16.3	55.8	
9.5		16.3	26.2	
8.8		17.8	3.4	
9.6		20.3	28.9	
9.5		25.3	45.6	
9.5		28.8	8.5	
9.5		30.8	55.8	
9.6		32.3	53.7	
9.6		36.3	5.1	
9.5		39.3	21.0	
8.8		44.3	25.0	
9.7		46.8	53.2	
9.5		49.3	59.9	
9.8		50.8	19.6	
9.5		54.3	43.1	
25pr.	+1	2.4	−3.5	

2821—2880.

mag.	7h. m	s	—25° ′	
8.6	40	55.3	22.2	9.0 a
9.9		56.3	37.3	
9.9		57.3	8.4	
9.9	41	1.3	43.5	
9.9		1.8	32.3	
9.6		2.8	54.1	
9.9		4.3	43.5	
9.8		4.3	42.7	
9.9		4.8	53.7	
9.9		5.3	20.6	
9.8		6.8	16.9	
9.6		9.3	27.1	
9.6		9.3	19.2	
9.8		9.8	52.0	
9.7		13.3	30.2	
9.7		19.3	43.9	
9.8		19.3	4.5	
9.6		23.8	18.8	
9.9		29.3	37.0	
9.5		31.7	57.4	
9.6		32.3	38.8	
9.5		34.3	53.9	
9.9		35.3	5.0	
9.4		36.3	6.8	
9.7		36.8	39.3	
9.5		37.3	7.2	
9.8		38.8	38.2	
8.8		40.3	46.2	
8.5		44.3	3.9	8.5 Gal
9.7		49.3	4.1	
9.0		53.8	11.1	
9.4		56.3	37.8	
9.9		58.3	13.0	
9.7		58.8	6.3	
9.5		59.3	26.6	
9.2	42	4.3	46.0	
9.9		10.8	31.2	
9.8		14.3	10.8	
9.0		14.8	5.3	9.0
9.5		15.8	9.3	
9.9		16.5	59.5	
9.5		17.3	17.1	
9.4		18.3	4.5	
9.6		18.8	11.3	
9.8		25.3	2.0	
9.6		29.3	25.9	
9.7		29.3	14.7	
9.7		32.8	40.9	
9.6		35.3	3.6	
9.9		36.8	51.3	
9.9		38.8	15.6	
9.8		39.3	16.0	
9.9		39.8	46.6	
9.9		41.3	3.7	
9.0		41.6	0.6	
9.1		41.8	32.1	
9.4		42.3	4.5	
9.7		42.3	6.1	
9.6		50.3	16.1	
9.8		50.3	13.2	
	+1	2.5	−3.6	

2881—2940.

mag.	7h. m	s	—25° ′	
9.2	42	51.8	6.7	
5.4		53.3	37.7	5.5 GStπ
9.9		53.4	0.8	
9.9		54.2	21.0	
9.7		57.8	42.3	
9.4		58.3	4.6	
9.5		59.2	19.0	
9.4		59.2	26.8	
9.5	43	0.3	10.1	
9.4		0.3	15.7	
9.8		1.3	48.9	
8.8		2.3	7.8	
9.6		5.3	21.7	
8.7		12.3	26.8	9.5 G
8.5		12.3	27.6	9.0 GW
9.7		13.3	47.1	
9.7		13.3	41.6	
9.4		14.3	19.3	
9.8		18.3	44.5	
9.4		24.7	18.8	
9.9		26.7	24.7	
8.9		26.7	49.1	9.0
9.7		28.7	15.8	
9.9		28.7	43.1	
9.4		32.0	4.1	
9.9		34.5	24.4	
9.5		35.0	15.3	
9.7		39.0	22.0	
8.9		39.5	41.8	9.0
9.9		44.5	5.7	
8.9		44.5	18.4	
9.5		48.5	16.3	
9.7		49.7	0.3	
9.4		58.2	0.1	
9.5		58.5	36.8	
9.0	44	1.5	27.3	
9.0		2.0	4.1	
9.4		2.0	21.2	
9.8		2.5	27.0	
9.8		2.5	23.2	
9.2		4.5	35.1	
9.5		8.6	23.7	
9.9		9.0	8.0	
9.5		9.5	20.4	
9.0		9.5	32.5	
9.9		13.0	58.7	
9.8		14.5	56.6	
9.4		17.0	15.9	
9.7		19.5	53.3	
9.7		19.5	7.0	
9.9		24.5	46.2	
9.3		28.5	3.4	
9.0		32.5	13.3	
9.4		34.5	21.0	
9.4		44.5	20.7	
9.4		45.5	46.4	G
9.6		45.9	2.9	
9.8		49.0	43.3	
9.3		51.0	15.0	
9.2		56.0	44.5	
	+1	2.5	−3.7	

2941—3000.

mag.	7h. m	s	—25° ′	
9.6	45	3.9	9.3	
9.5		5.9	58.5	
9.8		6.9	31.6	
8.6		14.4	19.5	9.0
9.5		19.2	0.3	
9.3		20.4	54.8	
9.5		22.9	30.5	
9.4		24.4	36.0	
9.8		24.4	4.8	
9.2		27.9	17.0	
9.5		28.4	20.1	
9.9		29.9	42.9	
9.9		30.3	13.7	
9.5		30.4	44.2	
9.8		32.4	2.0	
9.6		34.4	48.0	
9.1		36.9	46.4	8.8 Ga
9.5		38.4	58.2	
9.7		38.9	9.4	
9.0		39.4	10.2	
8.6		39.9	49.8	8.5 Gb
9.0		43.4	49.6	9.0
9.5		43.9	13.9	
9.2		44.4	49.9	G
9.6		44.9	27.2	
9.5		47.9	7.3	
9.8		49.4	51.2	
9.1		50.4	3.5	
9.8		54.3	23.3	
9.5		54.4	38.2	
9.7		59.4	18.3	
9.1	46	3.9	45.2	
9.2		4.9	47.4	
9.1		6.9	52.3	
9.6		7.9	51.4	
9.5		9.4	43.4	
9.9		14.4	55.2	
9.7		14.4	55.2	
9.6		14.9	6.2	
9.8		19.4	28.2	
9.8		20.3	48.9	
9.2		22.3	6.6	
9.8		22.3	49.0	
9.7		22.9	12.8	
9.8		23.8	12.2	
9.9		23.8	45.4	
9.8		24.1	29.7	
9.2		26.3	13.2	
9.8		29.3	58.0	
9.9		29.5	57.3	
9.7		30.8	27.0	
8.6		33.8	29.8	a
9.9		34.3	48.0	
9.0		34.8	28.9	
9.9		36.3	44.0	
9.6		38.3	12.0	
9.9		46.3	8.7	
9.4		51.8	21.8	
9.7		53.8	27.0	
9.6		58.3	10.9	
	+1	2.6	−3.7	

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3001—3060.

mag.	7h. m	s	—25° ′	
9.4	47	1.8	10.4	
9.5		1.8	55.0	
9.6		4.3	33.8	
9.4		4.3	11.2	
9.6		9.3	33.8	
8.9		9.3	36.9	9.0 a
9.5		9.3	50.6	
9.7		9.8	49.1	
9.9		10.3	29.7	
9.8		13.3	48.5	
9.9		14.3	57.4	
9.9		24.3	17.0	
9.1		25.8	26.0	
9.6		27.8	10.4	
9.5		29.3	14.3	
9.4		31.3	31.1	
9.5		34.8	57.6	
9.5		38.3	24.0	
9.5		38.3	13.2	
9.7		39.8	7.9	
9.5		40.9	57.2	
9.7		43.1	51.6	
8.6		44.1	23.2	7.5 Gbl
9.7		44.6	41.6	
9.9		44.9	2.2	
8.9		47.6	10.6	a
9.4		49.1	19.4	
9.9		50.6	3.1	
9.0		58.1	22.8	9.5 Ga
9.7	48	1.1	7.1	
9.4		12.1	53.9	
9.9		13.6	10.1	
9.7		13.6	13.2	
9.0		17.1	45.1	
9.5		18.1	52.0	
9.4		23.1	59.5	
9.4		24.1	33.1	
9.0		24.1	36.6	
8.8		26.1	54.7	9.0 G
9.9		29.1	34.5	
9.3		29.1	53.6	G
9.8		29.9	24.3	
9.9		30.1	39.9	
9.5		30.6	15.9	
9.0		32.6	4.8	9.0 a
9.4		36.1	35.6	
8.3		38.1	56.2	7.5 GSb–
9.5		44.1	24.9	
9.8		45.1	23.0	
8.8		59.1	49.7	7.5 GW
9.5	49	4.1	40.2	
9.9		8.3	35.0	
9.0		9.3	15.9	
9.7		10.8	50.6	
9.1		13.3	51.0	
8.5		13.8	21.9	8.5 Ga
9.5		19.3	8.9	
9.0		19.3	42.8	
9.8		19.8	23.8	
9.0		23.3	50.4	
25pr.	+1	2.6	−3.8	

3061—3120.

mag.	7h. m	s	—25° ′	
9.9	49	24.8	3.4	
9.9		29.3	14.2	
9.3		34.3	42.6	
9.9		34.8	23.0	
9.1		35.8	50.0	9.5
9.7		38.3	46.6	
9.6		39.3	18.7	
9.5		43.5	0.0	
9.4		47.8	43.9	
9.5		48.8	9.3	
9.9		51.8	5.5	
9.9		54.3	19.2	
9.7		54.8	55.2	
9.0		57.8	31.1	a
9.5		58.3	51.7	
8.9	50	1.8	31.2	a
9.0		2.3	33.7	
9.7		4.3	51.4	
8.8		4.8	36.2	7.0 Ga
9.1		13.3	15.3	
9.7		14.3	8.8	
9.9		14.9	10.8	
9.7		15.3	40.5	
9.6		16.8	40.2	
9.5		16.8	31.4	
9.7		18.8	16.3	
9.8		19.9	40.6	
9.5		22.8	32.1	
9.9		24.8	32.9	
9.1		25.8	31.3	
9.4		28.8	12.8	
9.2		29.3	33.2	
9.8		29.3	35.2	
9.9		29.8	35.2	
9.4		32.8	33.7	
9.4		34.3	24.6	
8.4		35.3	30.5	8.0 a
9.5		38.3	9.2	
9.4		39.3	42.2	
9.6		50.8	11.7	
9.8		52.3	52.5	
9.1		54.3	52.5	9.0
9.0		59.3	48.5	
9.0		59.6	1.7	9.0 a
9.4	51	2.8	16.8	
9.4		2.8	24.2	
9.9		3.8	29.0	
9.2		8.3	24.2	
9.9		9.3	9.0	
9.5		9.8	25.4	
9.3		14.3	28.2	
9.4		15.3	39.8	
9.5		20.3	18.8	
8.8		23.8	4.9	8.2 Ga
9.0		26.3	38.8	
9.0		29.3	59.2	8.5 Ga
9.7		29.3	44.8	
8.8		29.3	4.6	8.7 a
9.7		29.3	13.0	
9.5		30.3	19.0	
	+1	2.7	−3.9	

3121—3180.

mag.	7h. m	s	—25° ′	
9.8	51	30.3	41.6	
9.9		32.2	38.8	
9.2		33.3	41.1	
9.6		34.1	1.6	
9.2		34.3	37.4	
8.9		34.8	15.7	a
9.4		40.1	42.0	
9.0		41.1	47.7	
9.3		44.6	20.6	
9.4		50.1	15.4	
9.7		56.1	33.1	
9.8	52	5.1	7.4	
9.9		14.1	42.2	
9.5		15.1	52.2	
9.3		21.1	36.6	9.0 a
9.7		24.1	9.6	
9.5		24.1	58.8	
9.9		24.1	59.2	
9.9		24.1	17.7	
9.5		28.1	33.6	
8.8		29.1	51.1	8.8 a
9.7		29.1	45.3	
9.4		31.6	25.0	
9.6		32.1	54.3	
9.5		32.3	1.1	
9.9		43.6	42.7	
9.7		45.1	42.9	
9.0		46.6	16.9	8.3 Ga
9.6		49.1	45.6	
9.1	53	3.1	22.8	9.2 G
9.8		4.1	3.4	
9.9		6.6	5.6	
9.9		14.1	35.7	
9.6		17.1	54.1	
9.8		21.1	7.0	
9.4		21.3	0.1	
8.8		28.1	12.7	9.0 a
9.7		31.1	52.4	
9.5		32.1	23.2	9.0
9.9		32.1	45.8	
9.4		35.1	56.1	
9.5		36.1	7.6	
9.4		37.4	3.0	
9.2		38.1	8.2	
9.4		38.1	15.4	
9.7		39.1	8.3	
9.0		44.1	57.6	
9.7		46.6	41.4	
9.9		58.6	0.1	
9.7		59.1	2.9	
9.7	54	4.1	35.8	
9.7		4.1	53.7	
9.5		4.8	0.6	
9.8		7.6	22.3	
9.9		10.1	37.0	
9.6		18.1	30.1	
9.8		18.1	44.8	
9.9		19.1	28.2	
9.9		23.6	49.8	
9.4		23.6	40.0	
	+1	2.8	−4.0	

3181—3240.

mag.	7h. m	s	—25° ′	
9.9	54	26.1	45.2	
9.6		29.1	34.9	
9.9		31.1	35.9	
9.6		33.6	25.9	
9.4		34.1	43.0	
9.7		38.1	4.6	
9.4		40.1	47.6	
9.9		41.5	2.0	
9.0		45.1	43.5	–
9.2		47.1	48.1	9.5
9.7		48.1	22.2	
9.2		51.1	19.4	
9.6		52.6	19.4	
9.7		52.6	15.3	
9.9		53.1	56.7	
9.9	55	2.6	12.5	
9.5		4.1	36.9	
9.9		4.1	42.6	
9.8		4.1	38.7	
8.8		4.8	2.7	9.0 Ga
9.0		9.6	45.4	
9.4		9.6	56.2	8.5 G
9.6		16.6	4.0	
9.6		19.1	22.6	
9.4		28.1	37.7	
9.4		29.6	7.2	
9.4		31.6	18.0	
8.9		39.1	21.3	
9.9		42.6	28.5	
9.8		43.1	36.7	
9.7		44.1	19.9	
9.9		44.1	48.5	
9.7		45.6	27.2	
9.7		49.6	50.5	
9.8		50.0	33.5	
9.9		55.1	14.4	
9.8		55.6	12.5	
8.3		59.1	4.2	7.8 GStl
9.3	56	3.1	51.6	
9.8		4.6	4.8	
9.9		5.6	27.4	
9.9		12.1	28.2	
9.9		14.6	37.2	
9.9		19.1	38.0	
9.8		26.1	51.6	
9.9		28.1	50.0	
9.7		38.6	41.5	
9.9		40.6	54.6	
9.7		41.1	39.7	
9.6		42.9	59.8	
9.4		46.1	0.7	9.5 a
9.0		49.4	59.3	
9.8		58.6	59.7	
9.6	57	1.6	14.1	
8.2		4.6	43.1	8.2 GWa
9.3		4.6	8.7	
9.8		5.1	17.1	
9.5		8.1	52.8	
8.9		11.6	37.4	9.5
9.9		14.6	38.9	
	+1	2.9	−4.1	

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3241—3300.

mag.	7h.–8h. m	s	−25° ′	
9·3	57	15·1	15·4	
9·5		39·6	31·4	
9·4		53·6	13·2	
9·3		55·6	12·8	
9·7		59·6	45·6	
9·5	58	1·6	10·1	
9·6		2·6	9·0	
9·8		3·1	30·8	
9·4		4·1	24·1	
9·7		8·1	46·7	
9·7		20·1	14·2	
9·6		25·1	18·5	
9·3		25·1	30·7	
9·8		26·1	39·0	
9·5		26·1	12·8	
9·1		29·6	40·3	8·2 GW—
9·0		29·6	33·7	9·0
9·4		29·6	8·6	9·0 a
9·7		44·6	21·7	
9·5		49·1	48·9	
9·6		51·1	15·5	
9·8		51·6	16·4	
9·6		52·1	33·0	
9·9		55·1	12·5	
9·9		56·1	54·7	
9·8		58·6	41·7	
9·8	59	1·6	43·1	
9·5		2·6	23·5	
9·5		4·1	37·9	
9·6		5·1	35·2	
9·9		7·1	6·8	
9·9		9·6	42·7	
9·9		12·1	56·4	
9·5		14·6	17·9	
8·5		18·1	20·8	7·5 GSal
9·9		18·9	56·9	
9·6		23·6	53·0	
9·9		24·1	28·0	
9·9		24·6	53·2	
9·8		27·1	8·2	
9·7		29·6	38·0	
9·7		29·6	45·6	
9·9		34·6	14·6	
9·9		34·6	8·2	
9·9		41·1	26·4	
9·5		42·1	51·7	
9·2		52·6	48·8	
9·9	0	2·1	48·9	
9·5		5·1	44·1	
9·6		11·1	13·9	
9·7		11·3	0·6	
9·5		13·1	11·9	
9·8		14·1	40·0	
9·9		14·6	7·7	
9·9		16·1	48·9	
9·6		24·1	4·0	
9·9		24·6	1·3	
9·8		28·1	24·5	9·0 a
8·8		29·6	24·5	
9·7		29·6	39·8	
25pr.	+ 1	3·0	− 4·1	

3301—3360.

mag.	8h. m	s	−25° ′	
9·8	0	33·1	19·1	
9·5		33·4	58·3	
9·5		34·1	21·1	
9·8		34·7	13·3	
9·8		35·2	27·0	
9·6		49·7	27·4	
9·8		56·2	16·5	
9·4	1	14·7	50·6	
9·5		15·2	15·6	
9·4		15·7	35·2	10·0
9·4		24·7	53·3	
9·3		28·2	37·9	
9·6		29·7	33·3	
9·5		32·2	1·3	
9·9		36·2	3·0	
9·8		44·7	23·6	
9·5		49·2	59·0	
9·6		54·7	36·4	
9·4		55·5	34·0	
9·9		57·1	41·0	
9·7		59·5	49·0	
9·6	2	0·8	55·8	
8·8		10·0	25·0	9·0 a
10·1		13·5	55·7	
10·1		15·0	39·0	
10·2		15·3	34·7	
9·8		15·8	32·2	
10·2		23·7	43·1	
9·6		26·9	58·6	
10·2		28·3	36·0	
9·2		30·3	50·8	9·0 —
9·6		31·3	8·0	
10·2		43·3	46·9	
10·0		45·3	38·4	
10·2		47·8	54·6	
10·2		52·5	33·3	
8·8		53·0	27·1	8·0 Gb
10·2		53·5	31·6	
10·2	3	6·4	0·1	
8·6		9·0	37·7	9·0 Ga
8·9		9·0	47·2	a
9·5		10·5	11·2	
9·8		11·0	41·2	
9·6		22·0	24·9	
10·1		22·0	26·5	
9·3		39·0	31·8	
9·5		45·0	52·9	
9·8		45·5	33·0	
9·2		49·0	55·5	9·5
10·0		50·0	42·1	
10·2		50·0	23·1	
8·8		52·5	52·0	8·5 Ga
9·8	4	0·0	13·8	
9·5		5·0	18·7	
9·6		9·0	6·1	
10·1		9·5	36·4	
9·0		13·5	33·3	9·5
10·1		15·6	2·5	
9·1		16·3	58·5	
10·0		18·0	14·8	
	+ 1	3·1	− 4·2	

3361—3420.

mag.	8h. m	s	−25° ′	
10·2	4	23·0	14·5	
10·2		24·5	29·8	
10·2		25·0	58·9	
9·8		27·5	32·1	
10·1		35·0	33·7	
8·2		35·5	28·8	8·5 Ga
9·9		37·5	20·7	
10·1		45·0	20·4	
9·6		45·6	49·1	
9·7		50·6	24·6	
9·6		54·6	2·0	
9·7		55·6	19·6	
10·2	5	0·1	2·3	
9·5		2·1	14·0	a
9·5		5·1	42·4	
10·2		8·1	20·4	
9·4		10·1	10·6	
9·6		13·6	17·7	
10·1		19·6	3·1	
10·0		22·1	58·0	
9·3		25·1	56·6	
10·1		25·6	52·3	
9·5		30·1	39·4	
9·0		32·1	5·5	
10·2		35·6	21·5	
10·2		38·6	22·5	
10·2		39·6	53·3	
10·1		42·1	54·7	
9·3		43·6	46·3	
9·3		48·1	51·5	
9·6		55·6	16·1	
10·2		58·6	19·3	
10·2	6	0·6	34·0	
9·8		1·6	3·4	
9·8		9·1	47·0	
8·8		13·1	40·8	—
9·3		17·6	45·6	
10·1		18·6	57·8	
9·6		19·6	48·0	
9·8		25·1	46·1	
8·8		25·6	19·6	10·0 a
10·2		25·6	35·7	
10·2		30·1	37·2	
9·3		33·8	2·0	
10·2		35·6	25·5	
10·0		49·1	6·1	
9·1	7	17·8	44·5	
9·5		20·0	55·3	
8·8		33·5	57·5	
10·2		33·5	43·3	
10·1		42·5	32·1	
9·9		45·0	10·3	
8·8		49·0	21·3	9·0
9·9		51·0	41·1	
10·2	8	1·0	31·1	
9·9		2·0	17·0	
10·2		5·0	39·7	
10·2		9·5	11·4	
10·1		18·5	12·5	
10·1		18·5	41·3	
	+ 1	3·2	− 4·4	

3421—3480.

mag.	8h. m	s	−25° ′	
8·5	8	19·5	47·1	a
10·0		19·5	7·6	
10·2		33·0	45·7	
9·6		37·7	58·7	
10·2		40·0	47·6	
9·9		42·0	25·3	
10·2		45·5	52·1	
8·6		47·5	19·9	9·0 —
10·2		47·5	43·9	
9·2		49·0	18·5	
9·9		55·0	33·5	
9·2	9	2·0	35·1	
10·2		6·8	21·6	
9·5		9·5	10·8	
9·5		14·0	47·1	
9·9		15·0	43·3	
8·4		23·5	37·3	8·0 Ga
10·2		29·8	30·7	
10·1		30·5	22·7	
10·2		38·0	59·9	
9·8		39·0	21·7	
9·1		40·5	44·0	8·8 a
9·9		57·0	43·0	
10·2		58·5	16·1	
9·1	10	9·0	46·0	8·5 Ga
9·7		9·5	47·5	
10·0		9·5	26·4	
10·2		9·5	9·1	
9·7		10·0	44·0	
9·5		10·0	59·0	
8·8		19·5	35·2	a
9·8		21·0	37·3	
10·0		29·5	18·4	
9·3		30·5	11·8	
9·7		36·4	1·7	
10·2		45·7	0·1	
10·2		52·5	28·7	
10·2		59·5	7·6	
10·0	11	2·5	57·9	
10·2		11·0	50·7	
9·8		15·5	20·4	
10·1		19·0	45·2	
10·1		27·5	47·9	
10·2		28·0	50·1	
10·0		29·0	22·8	
10·0		29·5	5·6	
9·8		29·5	56·1	
9·3		30·0	28·9	
10·2		49·5	32·6	
10·2		49·5	43·0	
9·8	12	0·0	37·7	
9·8		0·0	43·5	
10·1		2·0	54·8	
10·2		3·5	27·7	
9·2		4·0	34·9	
10·1		7·5	44·9	
8·0		13·5	54·9	7·5 GSbt
9·3		14·2	1·7	
9·2		18·7	2·2	
10·0		19·5	13·0	
	+ 1	3·4	− 4·5	

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mag.	8h. m	s	—25° ′	
3481—3540.				
10·1	12	20·0	18·1	
9·2		29·0	6·6	
9·9		30·0	33·5	
9·7		31·3	0·0	
10·2		42·0	12·1	
10·2		43·1	1·1	
9·6		44·0	26·1	
9·1		44·5	38·8	
10·2		45·2	57·9	
10·2		45·8	58·8	
9·8		52·5	44·5	
9·8		52·5	57·0	
9·7		58·0	38·5	
9·7		59·5	26·3	
9·7		59·5	38·8	
8·6	13	4·0	57·3	7·8 GSbt
10·2		4·7	0·5	
10·2		7·5	16·0	
8·6		9·0	11·3	a
9·9		9·5	14·5	
10·2		12·0	7·1	
9·8		19·5	48·1	
10·2		19·5	51·5	
9·6		45·5	39·8	
10·0		45·5	49·4	
9·6		49·0	4·6	
10·1		59·0	34·1	
9·6	14	3·5	53·6	
10·2		3·5	5·2	
10·2		4·5	16·0	
9·6		6·5	12·2	
9·8		11·0	28·5	
9·8		19·5	11·4	
8·8		22·0	1·9	8·5 GWa
9·5		29·0	18·8	
10·2		35·5	26·3	
10·0		38·5	30·1	
10·2		42·0	24·8	G
8·6		42·5	5·5	8·8 a
8·6		49·5	12·3	9·0 Ga
10·2		56·5	45·5	
8·3	15	4·0	25·4	8·0 G
10·0		4·0	49·1	
9·2		4·5	22·7	
8·6		10·5	42·9	9·0 –
9·5		13·5	38·5	
10·0		19·5	21·8	
9·8		23·5	13·9	
9·8		30·5	59·1	
9·7		33·5	21·5	
9·6		36·0	54·4	
10·1		39·5	36·1	
10·1		40·0	47·4	
9·8		42·5	22·9	
10·2		43·0	7·9	
9·3		44·5	11·9	
10·2		49·5	28·5	
10·2		53·5	34·1	
8·6		57·5	56·3	9·0 –
10·1		59·5	38·6	
25pr.	+1	3·5	−4·6	

mag.	8h. m	s	—25° ′	
3541—3600.				
8·9	16	2·0	2·8	8·5 Ga
9·2		4·0	25·7	
10·2		6·0	4·7	
10·1		11·0	38·6	
10·0		12·5	9·8	
9·0		14·0	20·3	
9·8		14·8	59·3	
9·5		26·5	32·7	
9·9		29·5	47·1	
8·9		30·5	38·7	9·0 –
9·1		32·5	46·1	
10·1		37·5	5·1	
9·1		43·0	38·1	
10·1		44·5	37·2	
9·9		51·0	17·2	
9·1		51·5	40·9	
9·0		51·5	13·9	Ga
9·3		58·0	1·2	
10·2	17	0·0	43·1	
9·8		4·5	5·6	
9·1		4·7	58·2	
10·2		5·5	8·0	
10·2		7·5	10·3	
9·9		9·0	59·3	
10·0		16·5	12·5	
10·1		21·0	27·1	
9·9		21·5	16·2	
10·1		21·5	26·1	
10·1		25·5	28·0	
10·1		29·5	10·1	
6·7		33·0	56·9	6·5 GStπ
9·9		39·0	36·6	
10·0		41·7	0·1	
10·0		49·0	35·4	
10·1		49·5	22·2	
9·8		53·0	32·1	
9·8	18	0·0	22·7	
9·7		1·0	22·2	
10·2		9·5	26·3	
9·0		10·5	40·1	
9·3		11·5	46·6	
9·9		11·5	17·0	
9·1		15·0	9·9	
8·7		16·0	2·0	9·0 Ga
9·3		19·5	4·7	9·5 a
9·8		24·0	27·0	
10·0		26·0	36·4	
10·2		26·0	53·4	
10·2		27·0	56·7	
10·2		28·8	49·2	
9·7		29·0	18·4	
9·2		38·0	47·4	
9·7		39·5	28·3	
9·7		41·3	51·7	
9·8		44·3	43·6	
9·7		48·8	53·8	
10·2		49·3	46·7	
9·7		53·8	57·8	
10·1		59·3	50·2	
9·6	19	5·3	32·3	
	+1	3·6	−4·7	

mag.	8h. m	s	—25° ′	
3601—3660.				
9·2	19	8·3	50·4	
9·3		9·8	1·9	
8·9		13·8	43·1	9·0 a
9·5		14·8	5·1	
9·1		14·8	34·8	
9·5		23·8	53·6	
10·0		28·3	26·4	
9·8		28·3	38·2	
9·8		28·8	50·1	
10·1		38·8	5·0	
10·0		41·6	1·7	
10·0		43·8	4·6	
8·6		54·3	53·7	9·0 a
10·2	20	3·8	50·6	
9·5		5·3	57·8	
10·2		9·3	38·9	
10·2		14·3	57·0	
8·8		18·3	25·9	9·0
10·2		21·3	3·3	
10·1		22·8	5·0	
9·6		24·8	44·4	
9·5		32·8	26·1	
9·8		35·3	39·8	
10·1		37·3	22·1	
8·6		42·8	19·7	9·0 –
10·0		47·8	55·4	
10·1		58·8	46·2	
9·3	21	1·8	43·7	
9·8		11·3	51·0	
10·2		11·8	6·0	
9·5		12·3	14·1	
9·3		14·8	21·7	
9·2		17·3	32·3	–
9·8		23·8	37·5	
10·0		29·3	43·4	
9·7		38·8	43·5	
9·9		39·3	8·3	
9·7		39·8	49·5	
9·6		49·3	24·1	
10·2		53·8	57·2	
10·2		58·8	35·0	
10·2	22	1·3	48·9	
10·1		2·8	0·4	
10·0		11·8	40·5	
9·8		19·8	33·9	
10·1		22·3	47·9	
10·1		22·8	37·6	
9·7		24·3	46·9	
10·0		25·8	9·4	
10·0		29·3	11·4	
10·2		29·8	7·0	
7·6		34·8	43·2	7·0 GSct
10·2		35·3	10·7	
10·2		37·8	53·5	
9·8		39·8	47·3	
9·8		44·3	14·0	
9·6		47·8	27·9	
9·5		49·3	13·6	
9·8		51·8	23·4	
9·8		55·3	27·2	
	+1	3·7	−4·8	

mag.	8h. m	s	—25° ′	
3661—3720.				
10·2	22	56·8	11·5	
10·2		57·3	15·2	
10·2	23	1·3	31·4	
9·3		3·3	1·9	
9·9		4·3	51·1	
9·5		17·3	24·6	
9·2		18·3	20·1	
9·7		25·3	11·9	
9·3		26·8	3·8	
9·8		28·8	24·8	
9·7		28·8	14·6	
9·7		29·3	27·0	
9·3		32·3	3·4	9·5 a
9·3		35·3	53·2	
9·8		35·3	45·6	
8·4		38·8	9·1	9·0 Ga
10·1		42·3	51·9	
9·7		48·8	52·6	
9·3		50·1	13·0	
9·2		50·9	34·0	
9·3		51·1	34·4	
10·2		52·3	55·5	
9·6		54·8	42·0	
9·5		55·9	0·9	
8·9		58·6	13·7	
10·2	24	4·3	43·4	
10·1		8·8	38·9	
8·4		12·6	29·8	9·0
10·1		15·3	37·3	
10·2		19·8	32·2	
8·5		22·3	53·6	
10·2		23·6	25·8	
9·0		25·3	14·1	
9·7		25·6	55·7	
10·2		27·8	18·1	
10·2		29·3	42·6	
9·1		30·1	23·7	
9·9		40·6	34·1	
10·1		42·8	31·1	
10·2		43·8	46·6	
9·2		45·6	16·1	
9·3		49·8	6·4	
10·1		50·8	57·1	
10·0		55·3	34·5	
10·2		59·3	5·1	
8·8		59·9	36·8	10·0
8·2	25	0·1	37·3	8·0
10·0		5·4	58·2	
10·0		5·9	31·5	
9·7		10·9	32·0	
9·3		11·4	41·0	10·0
8·4		23·0	1·0	9·0 Ga
10·0		32·9	48·9	
9·3		49·4	17·5	
8·8		52·4	31·8	
10·0		59·9	7·4	
7·9	26	7·4	15·7	8·0 GWa
8·8		7·9	40·5	
8·6		13·4	22·5	8·5
9·9		15·4	55·8	
	+1	3·9	−4·9	

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3721—3780.

mag.	8h. m	s	—25° ′	
9·4	26	15·4	39·0	
8·5		18·4	5·0	9·0 Ga
8·6		19·9	11·2	GWa
7·8		20·4	35·7	–
9·4		20·4	23·0	
8·8		21·6	17·0	G
8·6		40·1	16·3	9·0 a
9·8		44·6	12·7	
9·6		51·1	55·8	
9·9	27	0·1	31·0	
10·0		0·3	59·0	
10·0		1·2	0·3	
10·0		4·1	34·7	
9·2		10·6	12·1	
10·0		20·6	57·9	
9·4		22·1	8·9	
10·0		28·6	13·4	
8·9		30·1	58·9	9·0
9·2		30·1	16·7	
8·8		50·1	36·8	9·5
8·7		57·1	45·6	9·0 a
9·0	28	10·1	0·3	
8·6		17·1	19·0	8·5 Ga
9·9		25·0	4·5	
9·2		30·1	41·7	
9·7		46·1	27·0	
10·0		48·0	28·0	
9·4		50·1	28·1	
9·9		52·6	31·2	
9·0		57·6	46·1	
9·9	29	3·6	9·0	
9·9		11·6	6·4	
9·8		23·6	41·0	
9·8		24·1	17·4	
9·6		30·1	39·5	
9·1		30·6	41·5	
9·4		35·1	56·3	
9·8		54·6	36·9	
10·0	30	13·0	12·8	
9·4		13·1	29·5	
10·0		25·1	36·2	
9·6		25·6	6·1	
9·2		27·2	58·0	
10·0		30·1	23·3	
9·4		35·1	39·0	
10·0		36·1	7·1	
10·0		39·1	3·5	
9·4		40·6	55·8	
9·8		45·1	46·5	
9·9		46·6	25·1	
9·7		47·6	22·2	
10·0		51·0	11·6	
9·3	31	1·1	31·0	
9·6		20·1	13·8	
9·3		22·3	19·8	
9·9		24·3	4·8	
9·9		27·8	53·7	
9·8		28·8	29·1	
10·0		37·8	23·8	
8·0		44·6	58·9	7·0 GStπ
25pr.	+ 1	4·1	−5·1	

3781—3840.

mag.	8h. m	s	—25° ′	
9·2	31	46·8	33·4	
8·6		48·3	38·2	7·5 G
9·1		50·8	27·3	
10·0		55·3	31·6	
9·6		59·8	0·6	
9·8		59·8	8·3	
9·0	32	4·3	35·8	
10·0		5·3	39·6	
8·9		9·8	51·7	9·0 a
9·3		14·8	15·1	
9·9		18·8	53·1	
5·4		31·3	49·1	5·8 GStπ
9·6		33·3	12·7	
9·2		35·3	3·0	
10·0		38·3	31·0	
8·8		39·8	46·1	9·0 a
10·0		43·8	12·6	
10·0		44·8	25·0	
10·0		44·8	43·0	
9·6		56·3	20·6	
9·0		59·8	59·9	8·8 GWa
9·4	33	14·3	38·4	
9·9		19·8	20·3	
9·4		22·8	44·3	
9·9		29·3	12·9	
9·7		49·8	8·7	
9·7		49·8	39·3	
9·4	34	1·8	30·1	
9·2		12·3	43·6	
10·0		13·8	26·9	
9·3		29·8	45·6	
9·4		32·8	42·8	
9·9		50·8	52·5	
9·4		51·3	38·1	
9·6		53·8	18·2	
9·9		57·3	7·1	
9·2		59·8	48·4	
9·2		59·8	48·9	
9·4		59·8	2·6	
9·9	35	21·8	20·1	
8·9		40·6	18·4	9·5
9·6		41·6	49·7	
9·8		42·1	7·1	
10·0		42·6	19·7	
9·4		49·1	28·9	
9·4		54·9	2·3	
9·8	36	9·6	45·7	
8·9		24·6	13·9	9·5
9·9		39·6	50·3	
9·2		40·6	40·3	
9·7		44·6	17·5	
10·0		49·6	22·1	
9·8		50·6	21·9	
9·7		52·1	22·2	
9·9		54·6	7·2	
10·0		59·1	30·8	
9·8	37	8·6	33·9	
9·2		10·6	52·0	8·5 Ga
9·9		21·1	50·9	
8·2		24·1	25·8	8·2 a
	+ 1	4·4	−5·2	

3841—3900.

mag.	8h. m	s	—25° ′	
9·4	37	27·6	34·9	
10·0		28·6	56·7	
9·3		39·6	43·6	
9·8		57·6	11·0	
9·6		59·6	56·5	
10·0	38	0·6	46·2	
9·4		9·6	37·1	
10·0		9·6	1·0	
9·3		26·1	12·9	
9·4		28·6	23·7	
9·3		29·6	17·7	
9·8		40·1	50·6	
9·6		42·6	52·7	
9·7		50·1	30·4	
9·6	39	1·6	54·9	
9·4		2·6	55·4	
9·9		16·6	44·4	
9·3		24·6	39·9	
9·0		27·1	5·5	
9·1		32·1	16·8	
8·2		34·3	55·6	8·5 a
9·6		51·3	3·0	
8·8		59·3	31·2	9·5
9·2		59·3	18·6	
9·8	40	9·8	45·8	
9·9		14·3	23·3	
9·2		15·8	44·6	
9·6		19·8	14·0	
9·1		20·3	9·4	
9·1		22·8	13·9	
9·4		24·3	37·1	
9·9		52·8	47·8	
9·8	41	4·3	43·7	
10·0		9·3	26·1	
9·6		14·3	19·0	
10·0		22·8	57·2	
10·0		39·3	29·9	
9·9		59·8	43·1	
9·6	42	1·8	17·4	
9·9		4·3	22·3	
10·0		8·1	58·0	
9·1		13·8	39·7	a
9·6		22·3	19·5	
9·4		22·8	55·0	
9·0		54·3	33·0	
8·5	43	8·3	42·0	Ga
8·4		14·3	11·6	8·5
9·6		54·3	4·3	
9·6		54·3	55·9	
8·4		55·3	57·7	8·2 Ga
9·3		58·3	45·1	
9·8	44	7·3	2·5	
10·0		9·3	16·8	
9·6		10·3	30·7	
9·0		12·3	3·2	
10·0		12·8	38·2	
10·0		29·3	24·5	
8·8		39·2	18·4	8·5
8·9	45	3·2	17·6	9·5
9·4		14·7	34·2	
	+ 1	4·6	−5·4	

3901—3960.

mag.	8h. m	s	—25° ′	
8·5	45	23·7	39·1	8·0 Ga
9·3		29·2	21·3	
8·9		30·2	53·2	9·0
9·2		34·2	22·7	a
10·0		43·2	0·9	
9·6		54·7	30·9	
10·0	46	9·2	30·0	
8·6		14·2	44·3	7·5 Ga
10·0		19·2	55·4	
9·6		26·2	30·0	
10·0		30·2	28·2	
10·0		38·7	39·5	
9·9		41·7	24·4	
9·0		45·2	4·7	
9·2		55·4	33·5	
9·6		59·0	58·2	
10·2	47	3·7	42·2	
10·2		6·7	6·3	
9·8		9·5	56·1	
9·7		11·0	58·0	
9·8		21·7	37·1	
10·2		33·7	41·1	
10·2		36·2	14·9	
9·9		37·5	47·8	
9·8		40·0	48·8	
10·2	48	1·7	5·4	
9·8		7·7	11·8	
9·0		16·7	32·4	–
9·9		16·7	0·4	
9·6		22·2	27·0	
10·2		32·2	13·9	
9·0		41·9	31·1	
10·2		42·9	32·7	
10·2		53·4	37·3	
10·2		56·4	14·7	
9·3	49	0·4	4·8	
10·2		1·4	16·2	
9·9		6·4	54·9	
9·7		6·9	59·6	
9·4		11·4	51·7	
9·7		11·9	41·8	
10·2		18·9	53·1	
8·1		24·9	4·9	8·8 G
10·2		38·9	16·4	
10·0		39·4	9·1	
10·2		56·4	20·5	
10·2	50	2·4	59·3	
9·2		21·4	31·9	
10·2		25·4	7·0	
8·2		32·4	46·5	9·0 –
9·7		33·2	1·5	
10·2		36·9	41·4	
10·2		45·9	1·6	
9·8		47·9	23·6	
10·2		56·4	2·5	
9·8	51	2·4	5·7	
9·5		12·4	30·3	
10·2		12·9	59·5	
10·0		23·4	54·3	
10·2		26·4	25·3	
	+ 1	4·9	−5·6	

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3961—4020.

mag.	8h. m	s	—25° ′	
10·2	51	29·4	55·5	
10·2		32·4	51·2	
10·2		33·9	39·5	
8·8		35·0	5·2	9·5 b
10·0		37·0	37·5	
9·3		40·0	13·5	
10·2		45·5	10·0	
9·7		46·0	24·7	
9·2		52·5	32·5	
10·2		56·0	50·1	
10·2	52	22·5	6·9	
10·0		26·5	7·7	
10·0		31·0	31·8	
8·4		50·0	52·0	9·0 =
9·7	53	0·5	21·6	
9·6		6·0	10·1	
9·8		7·0	29·0	
10·2		14·0	39·0	
10·2		34·0	6·9	
9·8		36·3	59·1	
10·0		38·5	37·3	
10·0		41·5	49·9	
10·2		55·5	41·6	
10·2	54	3·0	46·0	
10·2		15·0	4·9	
9·2		26·0	21·6	9·5 a
10·2		33·0	30·2	
10·2		35·5	29·0	
10·2		37·0	24·3	
9·9		43·0	1·1	
10·2		55·0	49·8	
9·8		59·0	33·3	
9·8	55	6·0	16·4	
10·2		16·0	20·1	
9·8		29·2	7·0	
10·2		35·7	40·0	
9·7		39·7	14·7	
8·9		44·7	1·9	9·0 Ga
10·2		51·2	46·9	
10·2		56·2	54·8	
9·8	56	3·7	53·5	
10·2		3·7	10·4	
10·0		21·7	45·2	
10·2		21·7	57·7	
10·0		24·2	58·3	
9·8		32·7	7·0	
10·2		32·7	47·7	
9·8		39·7	23·7	
9·0		58·2	33·9	8·5 a
10·2		59·7	27·2	
9·9		59·9	56·6	
9·1	57	2·7	45·0	9·0
10·2		5·2	27·0	
10·2		8·2	9·1	
10·2		10·7	58·9	
9·8		11·7	54·2	
10·0		15·7	24·2	
10·2		16·2	27·9	
9·4		20·7	23·8	
9·3		21·7	13·2	
25pr.	+1	5·2	−5·3	

4021—4080.

mag.	8h.–9h. m	s	—25° ′	
7·8	57	31·2	7·8	7·8 Ga
10·2		31·7	23·2	
9·7		35·2	39·7	
7·2		40·7	0·7	7·0 GSat
10·0		49·7	5·5	
9·8		50·2	57·4	
10·0		52·7	20·6	
9·7	58	5·7	49·0	
9·6		8·2	20·9	
9·2		13·2	39·2	8·8 Ga
10·2		14·2	49·1	
9·8		21·7	30·1	
10·2		29·7	12·9	
9·8		32·2	0·3	
10·2		34·7	47·7	
9·8		36·7	6·2	
9·8		41·9	0·2	
10·0		47·2	5·9	
10·2		58·7	40·2	
10·0		59·7	54·6	
10·2	59	9·7	53·3	
10·2		10·4	1·9	
10·2		16·7	43·3	
8·2		20·2	10·0	8·0 G
9·8		30·7	36·9	
10·2		40·7	40·3	
10·2		45·2	5·2	
10·2	0	21·2	15·5	
9·2		28·7	9·5	
8·8		33·7	44·3	9·5 –
9·2		50·2	5·7	
10·2		57·7	39·5	
9·6		59·2	9·5	
10·2	1	0·7	35·0	
10·2		8·2	16·5	
10·2		9·2	44·3	
10·0		10·2	40·1	
10·2		21·7	55·4	
10·2		29·7	33·8	
10·2		38·2	55·1	
10·2		46·2	21·4	
9·4		52·7	55·1	
10·2	2	0·2	46·0	
9·5		17·7	54·9	10·0
10·2		18·2	55·5	
9·7		26·4	57·1	
7·4		33·7	21·3	5·0 GStπ
10·2		45·2	48·7	
10·2		50·7	8·2	
10·2		51·7	46·2	
10·2	3	1·9	12·7	
8·0		10·4	20·0	7·0 GStπ
10·2		14·4	39·5	
10·2		15·4	47·1	
9·8		19·4	31·6	
9·2		21·4	55·2	9·0 =
9·4		37·4	7·5	a
9·7		51·9	23·1	
9·3	4	1·4	39·5	
10·2		11·4	42·0	
	+1	5·5	−5·9	

4081—4140.

mag.	9h. m	s	—25° ′	
7·6	4	16·4	17·8	7·0 GStπ
9·8		21·4	49·2	
9·8		26·4	47·7	
10·0		27·9	48·5	
9·8		35·9	33·9	
10·0		41·4	3·5	
9·8		45·4	50·1	
10·2		57·9	21·6	
7·6	5	0·4	46·7	7·5 GSa
10·2		0·4	50·2	
10·2		2·4	53·0	
10·2		17·4	35·7	
10·2		22·9	32·2	
9·8		42·4	38·7	
9·7		46·1	58·4	a
9·8		53·4	26·0	
10·2		57·4	57·7	
10·0	6	10·9	44·8	
10·2		34·9	48·5	
8·8		48·4	57·9	8·2 Ga
9·7		51·9	10·3	
7·9		54·9	5·3	7·2 GSa
9·6		55·4	50·2	
10·2	7	3·4	49·1	
9·2		4·4	59·9	8·5 Ga
10·2		4·9	39·9	
10·0		8·4	12·6	
10·0		14·9	31·6	
9·2		24·9	6·7	9·5
9·9		35·9	46·3	
9·8		39·9	42·3	
10·2		44·9	7·0	
9·7		45·9	3·4	
9·5	8	4·9	47·9	
9·6		4·9	12·1	
10·2		9·9	12·5	
10·2		29·9	27·1	
10·0		31·9	2·8	
9·0		50·9	41·0	
10·0		55·4	31·0	
9·6		55·7	41·9	
9·2	9	3·7	27·2	9·0 Ga
10·2		10·4	34·0	
9·7		20·7	19·6	
10·2		24·9	50·4	
9·8		28·4	31·0	
10·0		41·3	54·7	
10·0		44·8	32·9	
9·8		49·3	10·7	
9·8		57·1	42·8	
10·0	10	11·3	58·1	
10·0		31·2	40·8	
10·0		45·5	55·5	9·5
10·0		48·0	55·2	
10·0	11	14·0	10·9	
9·4		14·5	25·3	
10·0		49·0	0·6	
10·0		50·5	27·4	
9·8	12	5·5	34·0	
9·0		48·8	15·2	9·0 a
	+1	5·9	−6·1	

4141—4200.

mag.	9h. m	s	—25° ′	
9·2	13	35·3	45·7	9·5
8·5		35·3	44·4	8·5 Ga
10·0		50·8	55·8	
10·0	14	20·2	7·6	
9·0		20·3	7·6	9·0
8·7		31·5	2·7	8·8
9·4		35·3	18·1	a
8·2		41·3	6·0	8·5
10·0	15	43·3	6·8	
9·8		43·8	5·7	
10·0		49·8	59·1	
7·0		58·3	26·0	5·2 GStπ
7·7	16	13·3	39·0	8·3 Ga
10·0		50·3	21·7	
10·0	17	5·8	36·9	
10·0		10·3	19·4	
8·7		50·3	37·9	8·5 G☰
8·9	19	50·3	4·1	9·5 a
9·2		51·3	18·3	
9·2		53·3	56·1	
10·0	20	14·3	1·2	
10·0		57·3	29·9	
10·0	21	13·8	7·7	
10·0		50·3	36·1	
9·2		52·3	14·3	
10·0	22	5·3	0·6	
8·2		10·3	49·1	8·5 G–
9·6		30·3	54·0	9·5
9·2		32·4	16·5	
7·6		51·9	45·2	8·5
7·4	23	7·9	48·1	8·0 G–
9·2		14·9	35·7	
9·0		24·9	40·9	
8·2		36·9	6·2	8·5 –
9·4	24	14·9	2·7	9·0 b
10·0		34·6	57·7	
10·0		36·9	49·9	
9·2		38·4	28·0	
7·6	25	4·9	4·1	7·8 GSa
10·0	26	6·9	14·1	
9·4		29·6	24·3	
8·9		34·4	2·4	9·0 a
9·6		37·4	5·9	
8·0		56·9	52·5	8·5 Ga
9·8		59·9	6·6	a
10·0	27	1·4	18·0	
9·6		1·5	2·0	a
10·0		24·9	7·3	
10·0		44·4	28·0	
9·6	28	4·4	50·1	9·5
9·2		5·9	11·3	8·5 Ga
9·2		35·9	51·0	
8·8		49·9	57·9	
9·4		51·9	4·9	b
10·0		58·9	13·8	
8·9	29	4·9	21·2	9·0 –
10·0		39·9	19·8	
9·2		56·9	31·0	9·5
9·6	30	9·9	19·4	9·0 a
10·0		13·0	24·1	
	+1	6·7	−6·5	

4201—4260.

mag.	9h. m	s	—25° ′	
10·0	30	13·0	41·2	
8·9		27·0	21·4	8·5 Ga
8·2		34·0	24·2	8·0 Ga
9·8		44·0	1·8	G
10·0		52·2	59·1	
10·0	31	7·7	51·4	
9·6		16·1	48·4	
8·4		29·4	32·0	8·5 a
9·5		37·7	4·2	
9·7		43·6	20·6	
9·3		56·6	16·2	
9·4	32	5·6	23·2	
9·0		14·7	58·4	
8·8		18·7	22·3	8·5 a
9·5		24·7	39·4	
8·4		34·7	48·7	8·5 G
9·5		44·4	38·2	
9·0		49·2	25·1	9·0 a
9·5		50·7	52·5	
10·0	33	49·8	15·8	
10·0		54·2	36·0	
10·0	34	24·2	21·6	
9·5		27·0	44·5	
10·0		46·0	15·9	
9·4		55·0	38·0	
8·2		56·0	45·0	9·0 a
10·0	35	1·0	58·0	
9·6		27·5	39·1	
9·4		31·0	32·6	
9·5		42·0	17·8	
8·4		55·0	19·7	9·0 a
9·7	36	4·0	3·6	
8·4		5·0	23·8	8·5 a
9·2		19·5	40·0	
9·4		23·0	2·5	
9·8		25·0	41·3	
9·2		50·0	47·0	
8·9		55·0	50·3	
9·4	37	19·1	58·8	
9·4		38·0	8·1	
8·7	38	11·0	23·3	9·5 –
9·6		15·0	57·1	
10·0		16·0	17·3	
9·5		40·0	43·4	
9·5		54·5	9·0	
10·0		55·0	41·4	
9·2	39	0·0	25·5	
10·0		0·5	55·5	
9·4		15·0	57·9	
8·9		22·0	59·5	8·5 –
8·9		30·0	42·1	9·0
8·9		45·0	13·3	–
8·6		48·0	8·4	–
9·0	40	5·0	13·4	
9·6		10·0	18·9	
8·5		23·0	41·1	8·0 G=
8·9		35·5	44·6	9·0
10·0		38·0	47·1	
8·5		47·5	23·8	8·5
8·4		50·0	5·8	8·2 a
25pr.	+1	7·5	−6·8	

4261—4320.

mag.	9h. m	s	—25° ′	
9·8	40	50·0	44·6	
9·4		54·5	3·6	
9·5		55·0	56·1	
9·6	41	25·0	50·7	
10·0		41·0	9·2	
9·3		46·5	43·2	
10·0	42	0·0	50·6	
9·7		4·8	18·6	
10·0		4·8	14·4	
8·9		11·8	19·4	
9·8		40·8	4·4	
8·6		45·3	25·3	
9·6		52·8	22·3	
7·4	43	4·8	50·2	7·0 GSb–
10·0		18·8	14·9	
9·4		34·3	10·0	
9·8		34·6	0·5	
9·0		34·8	17·4	
8·8	44	5·3	26·1	8·5 a
9·0		19·8	17·7	9·0 a
8·9		27·8	34·9	a
8·8		48·3	42·1	a
10·0		58·8	6·4	
9·4		59·3	24·9	
8·4	45	7·3	45·0	8·8 a
10·0		10·3	3·4	
10·0		10·7	59·7	
10·0		24·8	25·7	
8·8		36·3	21·0	9·0 –
8·8		49·8	18·1	9·5 =
9·7		57·3	5·5	
8·9	46	1·3	7·2	
10·0		48·3	48·1	
10·0	47	3·7	44·3	
10·0		22·3	19·0	
8·7		40·8	34·3	8·5
9·2		42·8	32·6	
9·4		46·8	55·9	
7·0	48	32·3	20·7	5·2 GSct
9·0		34·8	33·7	
9·6		59·8	12·4	
10·0	49	26·8	16·0	
8·6		27·5	57·0	9·0 ≡
9·2		29·8	34·3	
9·8	50	11·1	39·6	
9·7		11·1	28·3	
10·0		14·8	10·3	
10·0		34·6	53·8	
8·9		40·6	30·4	
8·8		47·6	12·4	–
10·0		50·6	48·9	
9·8		54·6	54·4	
9·8	51	0·1	38·2	
6·6		6·6	57·5	6·8 GSa
9·5		19·6	22·0	
10·0		59·6	43·0	
9·7	52	7·6	35·0	
10·0		9·6	30·9	
9·8		10·6	28·9	
9·3		29·6	6·1	
	+1	8·0	−7·0	

4321—4380.

mag.	9h.-10h. m	s	—25° ′	
10·0	52	45·6	17·7	
9·8	53	8·1	39·6	
9·0		37·6	35·5	9·0
9·0		59·1	44·4	
9·4	54	1·1	41·6	
9·8		7·6	23·9	
10·0		8·6	40·8	
8·2		9·6	48·0	7·6 Ga
10·0		29·3	24·9	
10·0		38·0	16·2	
10·2		39·0	12·6	
10·1		39·0	30·4	
9·8		42·3	44·8	
10·1	55	4·5	1·3	
9·5		8·3	25·7	
9·7		16·3	54·3	9·5
10·0		23·5	43·7	
9·9		40·0	39·5	
10·1		40·5	44·3	
10·2		43·5	42·3	
10·0		43·5	46·6	
7·9	56	2·0	51·8	8·0 Ga
9·3		20·0	10·5	
9·7		24·0	59·5	
9·9		24·5	41·7	
9·6		27·5	14·4	
9·5		35·0	39·6	
10·1		49·0	20·9	
8·5		50·0	52·7	9·2 Ga
10·2		51·0	11·6	
9·9		54·5	36·4	
10·2		57·8	58·7	
8·3		59·5	54·3	9·0 Ga
9·9		59·5	39·3	
9·7	57	0·0	18·8	
10·2		1·5	15·9	
9·6		11·0	14·9	
9·7		15·5	21·6	
9·7		20·0	37·4	
9·9		20·0	16·3	
9·9		40·5	57·3	
10·2		57·0	32·1	
9·9	58	2·0	5·3	
9·9		32·0	31·8	
10·2		38·0	37·2	
9·8		48·0	39·2	
9·9		51·5	32·9	
9·9		52·5	11·2	
10·1		58·1	21·4	
10·1		59·7	39·4	
9·9	59	8·2	48·5	
9·5		20·2	22·1	
10·2		21·3	0·2	
9·9		22·9	22·1	
8·7		44·2	4·6	8·8 =
9·7		44·7	44·5	
10·0		53·7	7·8	
8·8	0	11·7	13·7	S–
8·7		13·7	37·0	9·2 –
10·0		22·7	24·5	
	+1	8·6	−7·2	

4381—4440.

mag.	10h. m	s	—25° ′	
9·1	0	39·2	15·1	
8·0		41·2	59·4	7·8 G=
9·9		42·7	50·6	
9·8		49·7	16·6	
10·2		52·5	59·3	
9·7		54·9	48·6	
9·6		58·7	9·8	
9·8	1	5·7	17·7	
9·6		25·7	27·1	
9·9		29·7	6·6	
9·5		31·7	3·5	
10·2		34·2	14·1	
10·0		43·2	28·6	
9·6		57·7	2·8	
10·2	2	10·7	46·5	
10·1		19·2	21·0	
8·8		21·7	43·9	9·5 a
9·6		28·2	19·5	
10·1		29·7	54·3	
9·7		30·7	25·0	
9·3		46·2	49·3	
10·2		47·7	30·9	
9·9		49·7	15·8	
8·8		55·5	4·1	9·0 a
8·9		56·5	1·3	9·0 –
9·7		59·5	18·9	
10·0	3	14·5	10·1	
9·9		19·5	7·0	
8·9		20·5	10·9	a
9·8		20·5	36·2	
9·7		21·0	35·6	
9·7		32·7	57·9	
10·2		36·5	9·1	
9·9		39·5	13·7	
10·2		57·5	42·2	
10·1	4	0·0	20·6	
10·2		11·5	45·4	
10·1		12·0	21·0	
10·2		21·5	57·0	
9·9		23·0	33·0	
8·9		29·5	28·0	9·2
9·8		30·5	19·7	
10·2		35·0	21·9	
9·8		46·0	53·5	
10·0		51·5	34·8	
8·8		54·0	31·3	8·8 =
9·7	5	0·7	57·1	
9·7		2·0	42·6	
10·0		26·0	27·7	
9·8		36·5	33·5	
9·8		42·0	40·9	
9·2		56·5	36·3	a
10·2		57·0	20·5	
9·9		59·0	17·2	
8·6	6	4·5	50·6	9·0
9·1		4·8	20·5	
9·9		8·5	15·4	
10·1		18·0	17·2	
9·7		19·0	33·5	
10·2		29·5	10·1	
	+1	9·0	−7·3	

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4441—4500.

mag.	10h. m	s	−25° ′	
10.2	6	38.0	5.2	
9.8		39.5	40.7	
8.9		46.0	57.6	a
9.1		54.0	9.1	10.0
10.1	7	4.0	15.6	
10.2		10.0	14.1	
10.2		10.0	1.3	
9.7		17.5	54.0	
9.8		18.5	49.9	
9.8		19.5	33.7	
9.8		25.5	55.3	
9.9		27.0	42.6	
9.9		50.5	10.3	
9.7		51.5	53.5	
9.9		52.0	57.9	
10.1		52.0	44.9	
9.7		58.5	30.9	
9.7		59.0	21.9	
10.1		59.5	24.1	
10.2		59.5	24.9	
9.7	8	13.5	51.1	
10.2		19.5	1.5	
9.8		28.0	13.9	
9.8		29.5	22.7	
9.8		31.0	30.5	
9.7		43.5	33.1	
10.1		50.5	47.9	
9.7		52.0	16.9	
10.0		55.5	35.9	
9.6	9	0.0	11.3	
9.9		11.5	21.7	
10.2		17.5	12.7	
9.7		20.0	30.1	
9.4		20.0	38.9	
9.7		29.5	58.3	
8.8		35.0	7.9	
9.8		38.0	30.1	
9.9		43.5	18.9	
9.6		54.5	31.1	
10.2	10	1.0	24.3	
9.7		3.5	47.9	
9.7		6.7	51.8	
9.7		9.2	24.0	
9.6		9.7	44.0	
8.5		9.7	53.5	9.2
8.0		14.2	58.4	8.7 S≡
9.7		16.7	4.6	
10.2		17.2	40.5	
9.7		20.2	29.3	
9.7		23.2	17.9	
9.8		24.2	19.4	
9.7		42.7	54.9	
10.2		44.7	47.8	
9.5		49.2	5.2	
9.9		52.2	42.7	
9.8		54.2	11.0	
9.9		55.2	43.1	
9.9	11	0.7	36.1	
10.0		7.2	18.8	
9.2		23.5	1.5	
25 pr.	+1	9.4	−7.4	

4501—4560.

mag.	10h. m	s	−25° ′	
9.3	11	37.2	5.5	–
9.9		39.2	4.5	
10.2		43.2	26.4	
10.2		48.2	57.6	
9.7		49.2	10.3	
10.2		53.2	46.7	
9.9	12	8.7	14.8	
10.1		10.2	8.6	
9.6		29.2	8.9	
9.6		29.2	17.4	
8.1		37.2	52.4	8.2 Ga
10.2		38.7	14.5	
9.7		41.4	59.3	
9.1		41.7	33.0	
9.5		53.2	7.5	9.0 –
9.9		58.2	14.0	
9.5	13	0.2	36.0	
9.7		0.7	53.9	
9.9		7.2	5.4	
9.1		21.2	4.4	9.5
9.9		27.6	12.9	
9.7		29.1	18.0	
9.7		33.6	5.0	
9.7		45.1	11.7	
9.9		48.7	1.9	
10.0		50.1	34.0	
10.1		55.6	54.8	
10.2		57.0	4.2	
10.2	14	2.1	22.9	
9.7		5.1	11.7	
8.8		8.1	45.5	a
10.2		10.6	31.3	
10.0		14.1	24.0	
10.0		16.6	44.5	
9.9		30.6	46.0	
9.9		37.6	2.6	
9.7		41.1	53.6	
9.6		55.1	3.5	
9.8		55.1	25.0	
10.2		57.3	56.7	
9.9		59.1	57.3	
9.7	15	7.1	8.6	
9.8		16.1	17.5	
10.2		17.4	0.4	
10.2		20.6	6.3	
8.2		35.6	38.0	8.5 a
10.0		43.6	12.3	
9.7		49.1	28.1	
9.7		53.1	3.4	
9.9	16	0.6	22.7	
9.8		10.6	42.3	
9.9		11.1	38.7	
9.5		17.6	22.0	a
10.2		25.1	25.7	
9.6		38.1	26.4	
9.8		49.1	33.7	
9.0		52.0	54.8	9.0 b
9.9		56.6	30.2	
10.2		58.1	10.9	
9.3	17	2.8	27.5	
	+1	9.7	−7.5	

4561—4620.

mag.	10h. m	s	−25° ′	
9.4	17	3.6	5.6	
9.7		5.6	55.0	
9.7		8.0	32.2	
10.2		8.1	18.9	
9.5		8.1	51.1	
10.2		14.1	42.6	
9.8		18.6	37.7	
8.8		21.6	3.4	9.0 –
9.3		34.1	24.2	9.5 G
10.0		40.0	43.0	
7.2		40.4	25.5	7.5 Ga
9.2	18	7.4	24.3	9.5
9.2		16.4	56.2	
9.6		27.4	45.9	
9.6		41.9	20.3	
9.6		58.9	9.7	–
9.6	19	4.8	0.9	
7.8		14.4	43.4	Ga
8.8		31.4	57.9	8.7 Ga
9.6		58.9	44.2	
9.6	20	0.4	39.9	
9.4		14.9	30.9	–
8.6		19.4	3.8	8.5 G=
8.0	22	18.9	10.2	8.8 Ga
9.2		19.4	33.0	
9.6		28.4	30.3	
9.6		45.4	57.7	9.0
9.6	23	9.4	1.2	
8.8	24	9.4	19.2	a
7.2		59.4	50.6	6.5 GSbt
9.6		59.8	59.6	
9.6	25	0.5	50.2	10.0 G
8.0		1.6	27.2	8.0 Ga
8.2		19.6	21.0	8.5 a
9.6	26	12.6	25.7	
9.6		57.6	52.2	
8.2		59.3	58.1	8.0 Ga
9.2	27	14.6	54.9	
8.8		37.1	48.5	9.0 a
9.6	28	17.6	8.2	
8.0		34.1	41.1	8.8 –
8.0	29	9.1	44.1	8.0 Ga
9.6		9.1	41.6	
9.6		15.6	20.0	
9.6		59.6	25.3	
9.2	30	11.6	59.3	9.8
9.4		27.6	30.6	
8.6		33.6	12.2	=
8.8	31	1.6	1.0	9.0 –
9.2		9.6	20.8	
9.0		16.9	39.2	
8.8		39.4	56.1	9.2
9.0	32	12.9	39.9	
8.4		36.9	26.4	9.2 –
7.4	33	13.9	11.9	7.5 GSb=
9.6		19.9	5.5	
8.2		27.9	39.0	8.8 –
9.6		56.9	0.9	9.0
9.6	34	54.4	48.0	
9.6		54.9	48.2	
	+1	10.4	−7.6	

4621—4680.

mag.	10h. m	s	−25° ′	
9.4	35	9.9	16.4	
9.6		18.4	50.3	
9.6		44.4	12.5	
9.6		47.9	41.4	
8.4		50.9	12.8	8.3 a
7.3		56.7	23.5	7.5 GSa
9.4	36	35.7	35.5	–
8.8		40.2	40.8	
9.6	37	2.7	3.0	
8.4		12.7	12.7	8.5 Ga
9.6	38	24.7	22.0	
9.6		32.9	56.7	9.5
9.6		40.7	51.5	
10.2	39	33.0	15.3	
10.2		55.0	7.3	
9.4		57.5	8.0	9.5
7.1	40	46.5	23.5	7.0 GSct
7.9		49.5	44.3	8.0 Ga
9.8	41	34.5	54.3	
9.6		38.5	22.2	
7.8	42	9.0	44.3	8.0 Ga
8.8	43	13.0	34.3	9.0
10.2	44	34.5	10.7	
10.2	45	12.5	20.1	
9.8		21.5	34.8	
10.2	46	24.0	34.8	
9.2		39.5	12.9	=
8.8		44.0	54.9	8.5 Wa
9.6	48	31.5	35.5	
9.4		41.0	1.2	9.0 =
8.4	49	37.5	41.0	8.8 Ga
8.6	50	41.5	40.7	8.8 Ga
9.4		42.5	35.0	9.5 a
9.4	51	26.0	45.5	
9.6		34.5	24.1	
10.2		36.0	25.1	
10.2		56.0	39.6	
10.2	52	9.5	15.6	
9.6		16.0	22.9	
8.8		38.5	26.5	9.2 ≡
8.8		49.5	25.7	9.8 –
10.2		50.5	59.0	
10.2	53	29.5	2.9	
9.4		44.5	34.4	
9.5		58.5	4.6	9.0 –
8.8	54	3.5	21.6	a
9.8		9.0	41.0	
8.8		31.5	11.0	8.7 Ga
7.7		41.5	2.8	8.2 Ga
8.5	56	39.0	12.9	8.2 Ga
9.4	57	2.0	44.6	9.0
10.2		17.5	15.0	9.0
10.2		28.0	21.0	
9.3		32.5	10.0	9.5
8.5		36.5	15.6	8.5 –
10.0		39.3	37.3	
9.2		52.3	6.9	9.5
9.2	58	3.3	17.0	9.0
8.8		32.0	58.9	
10.0	59	35.8	55.5	
	+1	11.9	−8.0	

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4681—4740.

mag.	10h.–11h. m s	−25° ′	
9.5	59 50.3	16.7	
9.4	0 0.0	58.0	
9.6	40.8	40.2	9.0 b
9.4	44.8	23.5	
9.0	1 3.9	24.8	≡
10.2	6.6	56.6	
9.8	11.6	13.8	9.5
10.0	11.9	34.0	
8.8	16.9	14.2	9.5 =
10.2	42.3	34.6	
10.0	2 18.9	28.5	9.5
10.0	22.4	46.2	
10.2	41.4	9.8	
9.6	47.3	19.1	
9.6	58.9	54.8	
9.8	3 3.4	59.6	
8.7	22.4	18.7	8.5 Wa
9.6	25.9	22.0	
10.2	4 1.9	18.4	
9.8	12.4	40.6	
7.6	25.4	18.9	7.8 GSb−
9.8	39.9	56.8	
8.8	49.9	6.3	8.5 =
8.4	5 11.9	14.7	8.8 Wa
10.0	19.4	43.7	
10.2	33.9	20.7	
7.7	52.9	27.2	7.8 GSa
9.8	6 18.9	53.2	
8.8	42.3	6.6	9.0 a
9.8	54.8	17.1	
7.4	7 6.3	47.2	8.0 GSat
9.6	7.3	52.1	
9.4	12.8	7.4	
9.8	53.3	45.5	
10.2	8 27.4	59.9	8.0 GSa
8.4	30.3	23.6	
9.8	32.8	21.1	
9.1	58.3	5.5	=
9.6	9 12.3	57.2	
9.6	18.3	29.8	
8.8	38.3	7.7	8.5 =
10.2	43.8	1.1	
10.0	48.3	47.6	
10.0	10 43.3	24.1	9.5
8.6	54.8	26.9	8.5 ≥
9.2	11 8.3	37.7	
10.0	28.3	42.7	
8.8	29.8	30.5	9.0 =
9.0	54.3	15.6	9.0 −
10.0	12 11.3	24.2	
8.5	23.3	54.9	8.5 Ga
10.2	57.3	55.4	
10.0	13 6.8	23.1	
9.8	22.3	22.6	
9.8	33.3	56.5	10.0
10.0	37.3	19.5	10.0
9.8	14 10.8	2.0	
8.2	18.3	28.1	8.0 Wa
9.6	15 0.8	18.5	
10.0	49.8	23.4	
25pr.	+1 13.1	−8.1	

4741—4800.

mag.	11h. m s	−25° ′	
10.2	15 51.6	0.0	
10.0	59.3	35.7	
10.2	16 1.8	34.5	
8.2	7.0	58.6	8.6 a
10.2	10.8	52.9	
10.2	44.1	29.2	
9.4	48.1	6.7	9.0
9.0	17 3.6	37.4	9.0
9.6	42.1	31.9	
10.2	56.1	38.6	
8.8	18 53.1	31.6	9.5 ≡
9.8	19 8.1	19.9	
10.2	32.6	32.9	
8.4	37.6	20.4	8.5 GWa
9.9	50.1	48.3	
8.8	20 3.6	33.8	
8.6	9.1	4.1	8.5 Ga
9.0	12.1	15.3	9.0 a
10.2	21 6.1	7.3	
7.5	26.1	10.4	7.0 GSat
9.0	54.6	34.4	9.0 a
9.6	22 3.1	3.6	9.0 =
9.8	22.1	17.0	
9.4	22.6	10.7	
8.4	33.1	40.2	8.0 Ga
9.0	34.1	9.9	9.0 −
8.7	42.1	37.8	8.0 Ga
9.0	49.8	56.7	8.5
10.2	23 8.6	38.0	
8.4	12.3	40.4	8.5 a
9.8	19.8	40.0	
10.0	37.6	28.1	
9.8	44.8	50.5	
8.8	51.2	51.7	8.8
10.0	53.5	22.2	
6.8	24 8.0	6.6	7.0 GSa
9.2	33.0	1.9	9.2 a
9.3	43.7	5.1	
8.0	48.0	12.6	8.3 GWa
9.8	25 29.0	55.5	
9.8	32.5	17.8	
10.0	26 26.5	15.3	
9.4	27 11.0	23.9	10.0
9.8	19.5	28.6	
9.8	20.5	7.4	9.5 ≡
7.9	23.5	50.1	8.0 a
9.2	28 8.5	23.6	
9.2	26.5	4.7	
9.3	29 12.0	13.0	
9.2	31.5	17.9	9.0 −
9.8	49.5	8.5	
8.6	30 3.0	3.5	9.0 ≡
9.0	43.5	29.1	9.5 =
9.3	51.0	37.1	9.5
8.7	31 10.5	47.0	9.5 a
9.8	11.8	27.3	
10.0	17.0	6.8	
9.0	32 7.5	36.0	9.0 a
9.8	53.5	48.1	
10.0	33 16.0	36.5	
	+1 14.2	−8.2	

4801—4860.

mag.	11h. m s	−25° ′	
10.0	33 22.5	43.3	
9.8	27.0	8.5	
10.0	29.5	23.0	
8.3	44.2	56.9	8.2 Ga
10.0	34 18.5	44.5	
10.0	21.5	24.4	
9.1	33.0	22.3	10.0
8.2	45.0	32.7	8.5 Ga
9.8	47.5	16.2	
7.7	35 7.7	58.7	7.5 Ga
9.0	37 52.0	46.7	9.0
8.6	39 2.0	32.5	9.0 a
9.2	2.0	19.4	9.2 −
10.0	59.5	48.0	
10.0	40 17.5	25.7	
9.3	43.0	43.4	
9.0	48.0	17.4	8.2 GW≡
9.8	41 1.5	51.2	
7.4	2.0	16.0	7.5 GWa
8.6	23.0	16.8	8.5 Wa
10.0	36.5	5.4	
10.0	48.0	34.9	
8.7	57.5	50.3	
10.0	42 13.0	50.2	
8.7	17.0	12.6	8.5 Ga
8.4	34.0	21.2	8.5 a
10.0	56.0	10.0	
9.6	43 18.8	27.3	
10.0	22.8	1.5	
9.8	39.3	6.6	
10.0	44 2.3	27.7	
10.0	55.3	50.9	
9.8	45 4.8	8.0	
9.2	17.3	12.9	
10.0	17.8	32.2	
9.6	25.3	34.2	
10.0	39.8	53.4	
9.8	46 3.0	52.2	9.0
9.2	51.8	2.2	−
9.1	47 9.5	21.4	a
10.0	27.3	37.9	
8.6	30.8	8.5	8.7 Ga
6.8	48 21.1	1.4	5.9 GStl
9.8	30.7	30.3	
8.8	50 10.7	44.9	9.2
8.4	11.2	50.5	8.7 Ga
9.0	55.2	53.9	9.2
8.9	56.7	27.0	9.0 ≡
8.8	51 11.7	50.0	9.0 a
10.1	39.7	7.0	
7.0	52 32.1	12.7	6.5 GSct
8.9	42.6	3.9	9.0 ≡
10.0	53 10.1	56.7	
10.0	18.1	0.7	
9.5	39.1	9.6	
8.2	54 1.6	40.4	9.2 a
10.1	10.1	46.0	
10.1	19.1	18.8	=
8.2	37.1	47.1	8.2 GWa
10.1	55 7.6	58.0	
	+1 15.7	−8.3	

4861—4920.

mag.	11h.–12h. m s	−25° ′	
8.6	55 32.6	46.5	9.0 Ga
10.0	48.1	37.5	
8.4	58.6	44.5	8.5 Wa
8.9	56 13.1	40.1	9.0 a
9.4	41.1	30.3	
10.0	57 22.6	9.5	
9.5	58 46.5	7.3	9.0 −
8.9	59.2	59.2	9.2 a
9.6	59 2.5	53.5	
10.1	4.5	25.3	
9.6	26.5	55.3	9.0 −
8.4	36.5	5.7	8.8 ≡
10.0	45.0	41.7	
8.4	56.5	42.2	8.8 −
9.8	0 2.5	52.1	
10.1	13.0	27.8	
9.6	13.5	54.7	
9.8	41.0	18.2	
10.1	1 22.5	11.7	
9.6	24.5	35.0	
8.2	34.0	30.4	9.2 >
10.0	37.5	32.0	
9.8	40.5	33.6	
10.0	2 5.0	3.1	
9.8	12.5	46.2	
10.0	12.5	6.3	
9.8	23.5	31.4	
10.1	59.7	2.8	
9.8	3 9.6	2.3	
10.1	37.5	15.3	10.0 −
9.5	40.5	48.0	
7.9	5 32.5	14.7	7.8 GMWa
9.3	47.5	53.4	−
8.9	6 0.5	10.1	9.0 a
7.9	13.2	7.5	8.6 a
10.1	26.2	15.4	
10.0	38.2	17.5	
10.0	7 19.7	5.6	
9.8	20.2	52.2	
10.0	41.2	48.9	
8.4	50.2	25.8	8.0 Ga
9.6	55.6	1.2	
9.6	8 7.7	9.9	9.0
8.6	12.2	31.8	8.8 a
9.0	49.2	9.3	9.0 ≡
9.4	9 18.9	30.8	9.2
9.8	26.0	21.3	
10.1	30.7	23.5	
8.0	32.2	52.3	8.5 W=
9.0	34.9	54.3	9.5 W
9.0	50.2	30.5	9.0
10.0	56.4	23.0	
10.2	10 13.2	23.4	
7.8	22.7	54.2	8.0 GW=
8.8	32.2	16.8	9.0 b≡l
9.2	37.1	2.4	9.0
10.2	39.7	31.1	
9.4	11 37.2	19.0	
8.9	12 6.2	52.4	9.5 W−
10.0	9.2	50.5	
	+1 17.1	−8.4	

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4921—4980.

mag.	12h. m	s	−25° ′	
8.9	12	25.7	32.5	9.0 ≥
10.2		38.2	29.6	
8.3		57.3	24.5	8.8 GW≥
9.8	13	21.3	30.3	9.2 –
9.6		25.3	8.9	9.0
10.2	14	10.3	43.2	
9.0		22.3	56.7	8.2 GW
10.2		38.7	36.2	
10.0		48.0	2.0	
8.4	15	31.3	13.2	8.2 Gb=l
8.3	16	20.3	0.5	8.8 =l
8.0		51.3	46.7	8.5 GWa
8.8	17	32.3	19.2	8.0 GWbl
9.0		45.3	53.5	9.0 –
10.2		46.3	31.4	
9.2	18	16.9	57.9	
10.2		18.8	26.0	
9.2		29.3	50.8	9.0 –
9.8		31.8	3.7	
7.2		43.8	17.7	7.0 GSbl
10.0		46.8	41.0	
8.5		58.8	1.1	8.9 –
9.8	19	11.8	48.2	
9.6		12.8	4.6	10.0
10.2		16.8	6.5	
10.2		22.8	2.4	
9.2	22	15.8	20.1	9.5 a
9.5		29.8	33.8	
8.4		53.8	36.8	9.0 Ga
8.3	23	21.8	43.5	9.0 a
9.2		57.3	21.3	
10.0	24	27.8	49.8	
9.8		39.8	49.1	
9.5	25	13.8	22.4	9.5
9.2		30.8	54.4	
10.2		51.8	46.8	
9.0	26	3.8	46.2	9.0 –
10.2		3.8	56.6	
10.2		27.8	4.4	
9.2		44.8	39.9	
9.6		57.8	56.5	
9.4	27	32.8	44.4	9.0 –
9.8		32.8	31.9	
9.8		59.3	0.5	9.0 –
9.6	28	13.3	51.3	
9.6		56.8	59.2	
9.8		58.3	2.4	
10.2	29	1.8	31.6	
10.2		24.3	24.8	
8.6		29.8	18.0	9.0 Wa
10.2		47.8	48.2	
8.9	30	38.3	19.7	Wa
9.8		51.8	41.9	
10.2		55.6	31.4	
10.2		57.4	1.9	
9.9	31	38.6	50.4	
10.0		41.3	18.3	
10.2		54.3	9.8	
8.6	32	12.8	49.9	8.8 a
9.6		55.9	2.3	
25 pr.	+1	18.5	−8.3	

4981—5040.

mag.	12h. m	s	−25° ′	
9.6	32	59.3	39.8	
9.0	33	2.3	14.7	a
9.9	34	1.5	59.7	
9.1		29.8	52.0	9.2
8.6		41.8	10.3	9.5 =
9.0		45.8	34.5	
9.4		59.8	18.5	
10.2	35	24.8	4.3	
9.0		32.8	35.0	10.0
10.2	36	14.9	36.4	
9.8		32.3	48.4	
9.0		49.8	47.8	9.0 =
8.2		54.3	36.9	7.5 GSa
9.8	37	6.3	44.2	
9.2		43.3	23.1	
9.6	38	2.3	17.7	
10.0		21.8	2.5	
9.6		32.8	2.5	
9.8		36.6	56.9	
9.6		37.9	26.6	
10.2		40.3	2.3	
9.1		52.8	43.9	–
10.2	39	14.8	28.4	
10.2		22.8	43.9	
10.0		43.3	50.0	
9.6	40	2.3	7.7	
9.0		32.7	18.5	9.0 a
9.6		41.7	33.8	
9.6	41	21.7	32.3	
10.0		22.7	28.1	
10.1		39.7	53.5	
9.0		41.7	12.8	a
10.2	42	9.7	48.6	
8.8		12.7	19.1	9.2
9.0		25.2	10.9	9.5 Wa
10.2		27.7	21.3	
9.0		35.7	50.7	a
10.2		39.7	51.6	
10.1		45.7	57.5	
9.1		50.2	24.8	
9.4	43	5.2	51.4	
9.9		28.7	5.5	
8.1		29.2	9.5	8.0 GWal
9.6		32.7	1.1	
9.4		38.7	6.6	
9.2		46.2	58.1	
8.2		48.8	58.7	9.0 a
9.8		51.7	38.8	
9.6	44	1.7	33.9	
9.7		21.7	1.7	
8.8		24.7	46.2	9.0 a
9.0		26.7	33.3	
10.2		42.7	51.3	
8.8		50.7	14.9	9.0 G=
9.0		57.2	9.1	9.0 W–
9.6	45	4.2	6.9	
9.6		9.2	10.3	
8.3		26.7	46.5	a
9.1		35.7	34.8	
10.2		57.2	24.1	
	+1	19.7	−8.2	

5041—5100.

mag.	12h.–13h. m	s	−25° ′	
10.2	46	1.2	39.4	
9.6		2.7	19.3	–
8.6		25.7	50.5	9.5 a
10.2		35.7	1.1	
9.6		41.7	12.3	
8.1	47	20.2	4.4	8.6 Mb=l
9.3		57.7	43.9	
8.8	48	7.2	9.3	9.5 –
8.8	49	10.3	31.5	
9.2		40.8	44.1	
7.5		47.3	46.9	7.0 GSct
8.4		48.8	54.5	8.2 G
10.2		55.3	42.2	
8.8	50	0.3	17.2	–
9.1		12.8	52.7	9.0
10.2		18.8	55.7	
9.9		32.3	11.4	
10.1		32.4	23.6	
10.0		45.9	2.6	
9.4	52	35.3	9.8	
8.8	53	1.5	43.1	9.5 a
10.2		52.3	52.0	
10.0		53.8	13.8	
9.6		55.5	15.1	
9.0		57.0	13.3	–
9.8	54	10.5	3.5	
9.4		23.0	56.8	
9.4		58.8	6.5	
9.6	55	32.7	4.1	
9.4		54.2	47.7	
8.6	56	0.7	51.0	–
9.9		2.7	58.2	
10.0		5.2	52.3	
9.4		12.2	4.4	a
10.0		31.8	11.4	
9.7		34.8	39.9	
8.4		51.7	42.2	9.0 G
9.6		59.7	9.9	
7.9	57	7.2	7.8	8.0 GWal
10.0		12.2	19.6	
10.0		14.2	29.9	
8.2		40.7	48.6	8.0 Ga
10.0	58	2.7	26.8	
10.0		20.2	39.3	
9.8		44.7	14.9	
9.8		47.7	20.9	a
9.8		48.2	30.2	
9.8		54.7	17.0	
10.0		54.7	3.0	
9.2	59	2.2	33.8	9.5
9.2		23.7	20.0	9.0 a
10.0	0	12.7	7.0	
9.6		15.7	50.0	
10.0		26.2	50.3	
9.4		35.7	40.8	9.0 a
9.7		55.1	57.2	
10.0	1	15.2	55.0	
9.8		21.7	49.2	
10.0	2	28.7	51.1	
9.8	3	28.2	31.5	
	+1	20.6	−8.1	

5101—5160.

mag.	13h m	s	−25° ′	
10.0	3	32.2	49.4	
9.2		37.2	12.8	
9.7		39.7	18.4	
8.3		45.2	13.3	8.2 Ga
9.6	4	1.7	30.8	
9.5		9.7	52.1	
9.2		11.7	28.7	
9.1		32.7	59.2	9.0
7.2		52.2	53.2	6.5 GStl
9.8		53.0	40.5	
9.7		57.2	14.0	
9.6	5	12.2	45.4	
9.8		22.7	51.0	
10.0		22.7	48.6	
10.0		34.2	49.8	
10.0		46.7	59.5	
8.3		49.2	36.7	8.7 a
10.0		51.7	9.2	
10.0		58.2	59.3	
8.8	6	5.2	22.7	10.0
9.5		14.7	15.0	
9.4		21.2	10.2	
9.5		34.7	16.0	
9.1		41.2	5.2	9.8 –
9.7		47.7	23.0	
8.4		56.2	51.0	8.6 Ga
10.0		59.2	48.6	
10.0	7	5.2	51.8	
10.0		26.7	0.0	
9.6		41.2	3.2	
9.4		45.2	27.2	
10.0	8	13.2	46.9	
9.5		14.7	30.2	
10.0		19.2	3.2	
9.4		31.7	56.0	
8.8		41.7	8.6	9.2 a
9.1		49.7	39.0	
8.8	9	15.7	29.9	9.0 Ga
9.7		42.2	40.4	
10.0		47.7	48.4	
9.0		51.2	58.8	9.2
10.0	10	7.7	29.0	
9.1		12.7	47.0	
9.0		15.2	30.8	a
10.0		21.2	30.8	
10.0	11	29.2	34.6	
9.6		44.1	58.3	
9.1	12	10.9	58.3	
9.1		11.2	58.0	
10.0		16.7	0.2	
9.0		36.7	33.7	8.0 a
8.6		50.7	0.3	8.0 al
8.8		51.2	13.2	
10.0	13	21.2	58.2	
10.0		29.7	24.0	
10.0		35.2	32.2	
9.6	14	6.6	4.6	
10.0		7.1	47.8	
10.0		37.6	25.9	
10.0		58.6	34.8	
	+1	21.5	−8.0	

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5161—5220.

mag.	13h. m	s	—25° ′	
9.7	15	11.1	56.8	
9.2		30.6	6.9	9.5
7.6		37.6	11.2	7.0 GSbl
9.1		47.1	28.3	
10.0	16	4.6	51.4	
9.2		26.6	6.1	9.5
10.0		44.0	44.8	
9.4		45.2	27.4	
10.0		59.6	23.8	
8.8	17	20.3	43.8	=
9.2		22.3	19.5	
10.2		48.4	6.1	
9.5		57.3	9.6	
9.8	18	27.8	40.6	
9.8	19	1.3	10.4	
9.6		11.2	53.0	
8.0		13.7	57.3	8.2 Ga
8.4		19.2	32.0	8.5 Ga
9.4	20	8.2	28.4	
9.5		44.7	33.6	
7.6	21	8.2	45.1	7.0 GStl
9.8	22	4.2	44.5	
10.1		5.2	27.9	
10.0		8.2	45.1	
10.0		13.2	56.4	
9.6		14.2	34.4	
9.5		18.2	4.8	9.0 a
10.1		22.7	58.6	
10.2		34.7	5.4	
9.6		52.9	58.5	
7.8		55.2	55.3	8.2 G=
8.6	23	1.7	24.6	8.5 a
9.8		52.7	41.1	
9.0	24	1.7	18.6	
7.2		13.9	0.6	7.7 GWbl
10.0		22.2	31.1	
9.0		54.2	32.6	9.2 G
7.6		58.2	28.0	7.5 Gtlπ
9.6	25	8.2	27.7	
8.4		14.7	21.6	8.8 Gal
10.2		17.2	22.5	
10.1		58.9	26.0	
7.1		59.2	56.7	7.0 GSbt
10.0	26	4.2	2.7	
8.8		12.4	30.8	9.5 Ga
9.8		17.9	19.3	
9.5		23.4	39.9	
10.2	27	0.4	49.7	
10.0		8.4	26.8	
8.9		24.4	1.5	9.0
9.6		25.9	22.1	
10.2	28	33.9	5.1	
10.1		59.0	49.2	
9.8	29	8.0	20.9	a
10.0		31.5	7.9	
9.4		52.0	11.3	
5.6		53.0	51.5	5.9 GSlπ
9.6		57.0	47.9	
10.2	30	4.0	14.5	
9.8		7.5	20.1	
25pr.	+1	22.4	—7.8	

5221—5280.

mag.	13h. m	s	—25° ′	
10.0	30	8.0	58.8	
9.4		19.5	45.1	
9.2		21.0	7.4	a
9.6		29.5	40.4	
10.2		55.0	54.0	
8.6	31	23.5	12.3	9.0 a
10.2		29.5	5.4	
9.2		33.5	40.2	
8.6	32	43.0	21.2	8.5 al
9.8	33	1.8	14.1	
9.8		4.0	48.3	
8.2	34	29.5	53.9	7.5 GStl
9.2		56.5	36.3	
10.0	35	4.5	7.3	
8.9		12.5	20.1	9.5 —
10.0		17.5	2.8	
10.0		25.7	58.0	
10.2		42.0	10.1	
10.2		44.5	17.6	
8.6	36	18.5	14.3	9.0 a
10.2		40.0	41.3	
9.8		57.5	10.1	
10.2	37	12.0	13.4	
9.6		29.0	41.7	9.0
9.6	38	3.3	57.5	9.5
6.7		38.8	29.2	6.0 GSlπ
9.6		43.0	2.8	9.2 —
10.0		53.0	0.6	
9.2		59.3	14.6	
9.9	39	6.2	5.1	
9.9		19.2	55.4	
9.9		20.7	35.1	
9.9		44.8	21.9	
9.1		53.7	24.3	
9.9	40	2.7	44.7	
9.7		29.7	28.9	
9.9		34.2	18.9	
9.9		43.7	24.6	
8.2	41	6.7	40.9	8.0 Ga
9.0		26.7	46.6	
9.9		50.7	29.1	9.5
8.8		51.7	30.9	9.0
8.0	42	27.2	43.5	8.0 Ga
8.8		27.7	35.8	9.2 a
9.9		32.7	54.8	
9.4		49.7	23.8	
9.9		53.2	31.9	
9.2	43	20.7	22.5	
8.8		21.7	31.5	9.5
8.6		33.0	26.6	9.0 a
9.8		33.5	3.2	
8.8		39.5	25.8	9.5
9.8		45.0	33.0	
9.7	44	1.5	1.0	
9.4		6.0	8.4	
9.6		13.0	27.4	
9.9		28.0	57.6	
8.3		53.5	23.0	8.5 a
9.4	45	37.0	27.8	
9.4		40.0	51.2	
	+1	23.4	—7.6	

5281—5340.

mag.	13h.–14h. m	s	—25° ′	
9.9	45	41.4	2.0	
9.0	46	33.0	47.2	
9.8		41.0	16.0	
9.8	47	11.5	10.4	
8.8		30.0	10.2	9.2 a
9.9		50.5	57.6	
9.6		53.5	23.9	
8.4	48	17.5	49.0	8.0 Ga
9.9		19.0	24.2	
9.4		23.0	24.2	
9.4		44.0	19.6	
9.7		44.0	36.9	
8.6		48.0	0.1	8.2 a
9.3	49	49.0	24.4	
9.6		52.0	42.6	
9.4	50	2.0	43.0	
9.9		6.5	22.0	
7.6		56.0	23.2	7.0 GSb≥
9.9		58.0	36.6	
9.9	51	9.5	9.9	
9.8		20.0	8.2	
9.6		31.5	33.7	
9.8	52	43.5	6.2	
9.9	53	1.8	10.7	
9.9		2.8	6.9	
9.3		3.8	33.2	
9.7		25.8	17.7	
7.5		32.8	39.3	7.0 GSat
9.6		32.8	11.5	
9.9		33.2	0.5	
9.3		37.3	45.9	
9.9		55.3	5.5	
9.7	54	17.8	11.8	
9.9		25.8	54.7	
9.8		53.8	49.1	
9.8	55	8.3	36.5	
9.7		12.3	12.3	
9.8		25.8	41.3	
9.6		31.8	46.7	
8.8		31.8	5.5	9.5
9.3	56	11.8	43.6	
9.9		35.8	1.6	
9.2	57	8.8	37.7	9.0 —
8.8		19.8	48.4	9.0 —
9.9		27.8	53.4	
9.3		32.8	24.2	
9.9	58	2.3	7.2	
9.9		7.3	44.9	
9.2		16.3	25.4	9.0
9.9		26.8	47.5	
9.2		51.8	46.6	
7.8	59	12.6	58.9	8.0 Gatπ
9.7		28.3	24.7	
7.8		49.8	21.6	8.5 a
9.6		51.3	12.1	
9.8		51.8	48.1	
9.7		59.3	38.2	
9.9	0	2.8	33.9	
9.9		3.8	27.3	
9.8		6.3	12.6	
	+1	24.4	—7.3	

5341—5400.

mag.	14h. m	s	—25° ′	
9.9	0	10.3	36.5	
9.9		13.3	31.5	
9.9		15.8	7.1	
9.9		32.8	59.4	
9.9		53.8	0.4	
9.3	1	8.8	35.4	
9.9		17.8	25.9	
8.3		18.3	45.2	8.5 a
9.8		19.3	40.0	
9.6		26.5	16.5	
9.7		38.3	47.9	
8.3		50.8	47.2	8.2 a
8.4	2	12.0	44.7	9.0 a
9.9		13.8	32.6	
9.9		15.3	28.4	
9.9		18.0	25.1	
8.4		44.2	39.1	8.5 a
9.6		51.2	8.3	
9.8	3	6.7	23.8	
9.2		10.3	57.2	9.5
8.9		39.2	51.9	
9.2		59.2	48.3	
9.6		59.7	1.9	
8.3	4	13.2	45.2	8.0 GWb
9.6		26.2	16.1	
9.2		36.2	9.3	8.5 a
8.6		44.7	38.5	=
9.8		52.0	59.5	
9.8	5	3.2	30.1	
9.4		6.2	32.7	
9.2		37.2	7.2	
9.4		54.2	23.0	
10.0	6	1.2	14.3	
9.4		7.2	10.9	
10.0		27.2	5.8	
9.4		58.2	19.9	
8.1	7	31.2	49.1	8.2 Ga
9.0		43.2	25.5	
9.0		47.2	20.0	
9.2		49.7	42.3	
9.8		53.2	6.3	
9.2	8	18.2	38.9	
10.0		47.2	53.5	
9.8		57.7	50.7	
8.6	9	7.2	1.4	9.2
10.0		13.7	26.3	
9.4		22.2	28.2	
9.4		37.2	25.3	
9.4	10	32.2	6.7	
9.8		46.3	57.2	
10.0		55.7	1.6	
8.6	11	13.2	37.8	8.5 —
9.6		33.2	27.0	
9.2		33.2	17.6	
9.8		33.7	55.9	
9.0		47.7	52.9	=
7.1		55.2	14.8	6.2 GSkc
10.0		56.3	32.8	
10.0	12	38.7	15.1	
10.0	13	17.2	55.0	
	+1	25.1	—7.1	

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5401—5460.

mag.	14h. m s	−25° ′	
8·6	13 25·2	9·5	9·5
10·0	33·2	14·6	
9·6	43·2	43·8	
9·8	43·7	41·1	
9·4	14 21·7	24·7	
9·2	37·2	4·8	9·5 G
9·2	46·2	47·2	
9·8	48·2	38·1	
9·8	53·2	15·7	
9·8	15 17·2	30·7	
9·2	53·2	22·7	
8·6	16 0·2	13·7	8·5 a
8·0	12·7	15·5	8·0 Ga
8·5	32·2	47·8	8·5 Ga
9·2	17 0·7	47·2	
8·2	12·7	34·9	8·5 G–
9·8	13·7	42·1	
10·0	20·2	11·0	
9·0	26·7	34·3	
9·4	27·2	36·2	
10·0	37·2	24·4	
10·0	43·2	28·2	
10·0	46·7	57·2	
10·0	52·2	12·1	
9·8	18 3·2	4·6	
10·0	31·2	49·5	
9·8	42·7	49·2	
8·6	45·2	48·0	=
10·0	19 5·2	45·3	
9·4	35·7	0·0	
8·6	40·7	51·2	9·5 G=
9·2	41·2	14·4	
9·2	44·2	6·1	
9·6	51·2	27·1	
10·0	57·7	36·6	
9·4	20 30·1	19·4	a
9·8	38·1	57·7	
10·0	21 30·6	57·9	
9·6	32·1	24·2	
9·8	32·1	2·8	
8·4	46·1	8·2	8·5 a
9·8	22 0·1	54·0	
7·8	19·6	27·2	7·0 GSal
10·0	35·4	50·2	
8·9	37·6	3·4	9·0 G
9·8	23 18·6	50·6	
8·6	25·6	55·6	8·5 ≥
10·0	30·6	1·2	
8·6	41·1	33·2	8·0 GW
9·8	52·9	43·2	
9·4	24 11·4	44·7	
9·7	24·4	35·9	
9·9	40·4	58·8	
9·8	52·2	45·8	
9·4	27 19·7	42·3	
9·0	23·2	35·6	8·5 –
9·1	24·7	10·9	
8·8	41·7	30·3	8·5 ≡
9·3	43·4	59·9	
8·8	46·2	13·6	9·2 a
25 pr.	+1 26·0	−6·8	

5461—5520.

mag.	14h. m s	−25° ′	
9·4	28 22·2	24·7	9·0 G
9·2	23·2	25·7	8·8 G≡
9·3	29 46·2	12·1	
8·4	51·7	15·1	7·8 GWa
9·0	30 4·2	21·0	9·5
9·6	36·2	15·0	
9·3	37·7	12·0	
9·1	56·2	58·1	9·2
9·6	31 24·2	42·1	
9·9	54·2	31·1	
9·4	32 32·7	44·0	
9·3	45·2	10·2	
7·2	33 10·2	43·0	7·2 GSa
9·0	12·7	13·3	
8·2	14·2	42·5	8·5 Wa
9·3	36·2	31·3	
9·3	40·5	0·6	
7·7	40·7	53·6	7·4 GSa
8·8	34 10·2	18·0	9·5
9·4	26·7	13·2	
9·1	32·7	18·6	8·5 –
9·2	35 13·2	12·2	9·5 –
9·8	36 13·4	25·2	
7·7	33·2	28·7	8·0 a
9·1	36·7	30·1	9·0
8·6	37 6·7	21·5	8·5 –
9·9	23·7	7·0	
8·4	47·2	17·8	8·2 W≡
9·2	38 3·2	22·1	
9·2	34·2	32·1	
9·6	39 43·2	24·4	
9·9	55·7	54·8	
5·7	40 6·7	5·9	6·0 GSπβ
9·2	23·7	32·9	9·0
7·0	27·2	33·6	5·5 GSπβ
9·3	41 46·7	6·9	
9·4	42 0·2	26·0	
9·1	13·7	25·6	
9·0	22·2	31·8	9·5 –
9·9	22·4	26·0	
9·3	26·2	0·8	9·2
9·6	43 11·2	13·0	
9·2	12·7	16·0	
8·5	55·7	32·4	9·5 G–
9·4	44 44·7	43·1	
9·3	45 11·2	33·4	
9·1	29·7	31·4	9·5 –
9·2	47·2	17·0	–
8·5	46 21·1	5·2	9·0 a
9·4	23·2	2·0	9·0 a
9·9	36·4	21·1	
8·6	49·3	3·7	9·0 a
9·3	47 44·5	45·6	9·5 ≡
10·2	48 4·0	40·6	
8·8	8·5	6·3	8·0 Gatπ
10·2	49 9·0	47·0	
9·5	9·5	15·7	9·5
6·6	38·5	46·6	7·0 GSa
9·8	51 16·5	0·9	
9·3	17·3	12·1	
	+1 27·0	−6·4	

5521—5580.

mag.	14h.–15h. m s	−25° ′	
10·2	51 21·0	1·7	
10·2	47·3	42·8	
9·4	53·3	38·0	
8·8	52 32·3	16·7	9·2 –
9·8	42·8	6·1	
9·2	47·8	11·6	
8·5	54 24·8	42·1	9·0 ≥
9·1	54·8	21·6	9·0 =
10·2	55 44·8	10·5	
9·3	56 2·8	17·8	9·5 –
9·5	42·8	6·5	
10·2	57 29·8	1·0	
10·2	58 0·3	30·0	
9·6	18·3	53·5	9·5 –
9·2	23·8	45·5	≡
7·0	26·8	18·0	7·0 GSa
9·6	36·8	19·9	
8·8	47·8	34·1	9·5
9·6	53·8	7·6	
8·6	59·3	37·2	7·8 Ga
8·4	59 6·8	31·9	9·2 a
10·2	0 9·3	54·9	
8·8	16·8	32·8	=
9·2	26·8	17·1	
10·2	43·3	28·6	
10·2	47·3	52·7	
9·4	49·3	46·8	
9·6	53·3	39·9	
10·2	1 49·8	17·8	
8·4	59·8	12·0	8·5 –
10·0	2 4·8	25·0	
10·0	7·3	22·5	
8·8	21·3	38·1	9·5 –
9·3	40·3	56·2	9·5
10·2	42·8	53·8	
9·2	43·8	21·7	
7·4	55·3	51·2	6·0 GSal
10·2	3 12·8	37·0	
8·8	19·8	29·1	9·0 Ga
10·2	29·7	50·4	
9·8	33·8	14·8	
9·6	52·8	13·3	
10·2	52·8	3·7	
10·2	4 40·7	43·0	
9·4	56·8	8·9	W
10·2	5 14·8	5·2	
8·2	22·8	12·7	8·2 GWa
10·0	24·8	46·2	
9·8	26·8	14·2	
10·2	36·3	6·8	
9·4	58·3	39·6	8·0 –
8·8	6 28·3	1·1	9·5 a
7·4	29·3	43·3	6·0 GSct
8·1	32·8	34·9	8·2 Wa
10·2	33·8	8·6	
9·6	36·3	43·3	
8·2	50·3	10·9	8·8 a
10·0	53·3	53·2	
9·1	7 10·3	3·1	
10·2	27·8	9·2	
	+1 28·2	−5·9	

5581—5640.

mag.	15h. m s	−25° ′	
10·2	7 37·8	48·4	
10·2	39·8	44·3	
10·2	54·3	40·6	
9·8	8 7·8	9·0	
10·2	19·3	14·0	
9·4	22·3	54·2	
9·8	26·8	34·8	
10·2	27·7	45·9	
10·2	34·3	33·9	
9·3	48·5	58·0	
10·2	52·3	27·1	
9·0	9 4·1	29·0	9·5 =
9·6	6·3	22·9	
9·8	28·5	10·6	
10·0	40·5	49·0	
9·4	10 9·8	34·1	
8·0	16·3	47·2	7·8 Ga
9·6	52·3	8·4	
9·4	11 8·8	5·4	9·5
9·4	22·8	50·0	9·5
9·8	57·7	38·8	9·0 =
10·0	12 1·3	20·1	
8·8	3·8	22·9	
8·3	6·8	41·6	9·0 ≡
9·8	13 5·8	31·6	
7·4	16·8	31·8	7·0 GSbc
9·4	21·8	30·2	9·2
8·8	25·8	8·3	9·0 Ga
8·3	14 57·8	0·6	8·0 Gal
8·6	15 15·3	22·9	8·0 ≡
9·4	21·3	4·0	
8·8	47·3	34·1	9·5 =
9·2	16 12·8	21·6	9·5
8·7	17 3·3	19·0	8·0 Ga
8·8	6·3	45·8	8·5 a
8·0	14·3	13·3	8·0 Gal
8·2	18 40·3	10·4	8·5 a
10·0	42·3	59·2	
8·8	20 35·8	47·9	9·5 G–
8·2	25 40·8	22·2	7·2 GSac
8·7	26 32·8	14·5	
7·2	27 48·3	18·6	7·5 GScl
8·2	28 11·3	52·9	8·5 a
8·8	29 33·8	26·6	9·0 a
6·0	58·8	52·0	6·5 GSπμ
8·8	30 12·8	14·2	
9·1	21·3	57·5	9·5
9·5	31 13·5	53·2	9·2 –
9·5	23·0	8·8	
8·0	33 9·5	11·1	8·0 Ga
9·4	58·0	19·9	
9·0	34 4·0	39·6	
8·8	19·0	44·7	9·0 a
9·3	35 11·5	35·2	
8·9	21·5	49·0	
7·8	43·5	0·9	8·0 Gatπ
9·3	36 21·5	55·2	
9·2	31·5	48·9	
9·3	36·0	36·4	
9·5	50·5	53·2	
	+1 28·8	−5·5	

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5641—5700.

mag.	15h. m	s	—25° ′	
9·4	36	51·0	34·7	–
9·1	37	17·0	53·5	
9·5		40·0	40·8	
9·5		54·0	55·9	
8·4		55·0	54·2	8·9 a
8·4	38	16·5	6·0	8·1 Ga
9·1		48·5	54·6	
9·5	39	2·7	58·1	
9·1		13·7	59·3	
8·7		17·7	34·8	8·0 Wa
9·5		28·7	9·3	
8·9		30·7	55·8	8·5 ≡
8·7		31·7	32·9	9·0 GWb
8·0		53·2	28·6	7·5 GWb
9·5	40	17·0	58·7	
9·5		23·2	20·2	
7·8		24·7	35·8	7·0 GSac
9·2		25·2	34·0	
9·5		41·2	19·0	
9·4		54·7	16·1	
9·2	42	15·2	21·0	
8·3		33·0	1·6	8·2
8·4		45·7	8·9	9·2
7·8	43	3·2	54·4	7·5 GSac
9·5		8·7	40·7	
8·9		25·7	11·3	a
5·1		27·7	22·2	5·5 GSμβ
9·5		31·2	42·1	
8·8		37·2	16·1	
9·2		52·7	47·8	
9·5		56·2	2·3	
9·4	44	9·2	23·2	
8·4		9·7	15·0	9·2 a
8·8		22·2	59·4	8·8
9·5		29·7	18·2	
8·7		30·7	44·6	9·0 =
9·2		40·2	18·3	
8·7		43·0	56·4	9·0
9·0		51·2	28·3	
9·4	45	12·2	24·6	
9·0		12·7	43·1	9·0
8·5		15·7	41·3	8·5 =
9·5	46	5·0	58·7	
9·1		13·6	1·3	
9·4		13·6	28·7	
9·4		21·6	30·3	
9·2	47	6·6	28·7	
8·8		7·6	38·1	–
8·4		40·6	24·5	7·8 Ga
8·6		50·6	53·9	9·1 G
6·4		57·1	53·8	6·4 GSπβ
8·0	48	33·1	34·0	7·8 GWal
8·4		41·6	26·1	8·0 a
9·0		43·6	22·5	9·0
8·4		46·6	4·5	9·0
8·9		50·1	34·3	
9·0	49	1·1	43·7	
8·9		21·6	48·4	
9·5		27·6	19·3	
9·1	50	23·1	38·9	
25pr.	+ 1	30·1	— 4·7	

5701—5760.

mag.	15h.–16h. m	s	—25° ′	
8·9	50	26·6	28·9	
9·4		45·6	36·7	
9·4		52·1	37·3	9·5
8·6	51	4·6	7·3	9·0 a
3·7		17·1	45·0	3·2 GSμβ
9·5		17·6	48·1	
9·2		21·4	59·1	
9·5		23·6	48·5	
9·2		29·1	20·9	
9·2		55·6	5·1	
8·8	52	3·1	27·5	
9·2		37·1	11·7	
8·4		37·1	49·2	8·5 Ga
9·4		41·6	29·4	
9·4	53	3·1	25·0	
9·3	54	1·1	11·5	9·5
9·1		7·6	1·2	
9·4		19·6	54·8	
9·5		19·7	15·0	
9·0		35·4	16·6	
8·4		54·1	47·8	7·5 GWa
9·1	55	0·4	4·0	
9·5		7·7	15·5	
9·3 –		7·9	16·8	
8·7		9·6	54·3	8·0 Ga
7·2		47·1	30·8	5·5 GSπμ
9·6		50·5	59·0	
9·4	56	21·6	49·5	9·2
9·4		32·1	54·0	9·0 G
8·8		43·1	52·5	9·2
8·4	57	29·1	55·1	8·5 b
9·4		36·6	45·8	
9·6		42·1	31·8	
8·8		58·6	46·1	
9·0	58	5·6	53·6	
9·6		9·6	34·0	
9·0		22·1	34·1	
9·0		29·6	20·9	
9·5		37·1	31·1	
9·2	59	2·6	52·8	8·5 a
9·0		41·6	10·0	8·8
8·4		42·1	24·3	
9·5		42·1	53·0	8·8 –
9·0	0	2·6	16·6	
9·2		7·6	43·4	
9·6		15·7	58·3	9·2
9·4		20·1	33·7	
7·6		31·3	59·4	6·0 GStπ
9·4		33·2	30·1	
9·6		42·7	16·9	9·0
9·0		59·2	19·9	9·0
9·5	1	7·7	42·1	
8·2		11·2	2·5	8·7 a
9·6		32·7	8·8	
9·4		36·5	58·9	
8·4	2	39·7	2·1	8·2 a
8·4		40·7	5·5	9·0 a
8·8		44·7	57·3	8·5 b
9·6		49·2	38·8	
9·6	3	0·7	33·2	
	+ 1	30·5	— 4·3	

5761—5820.

mag.	16h. m	s	—25° ′	
9·6	3	3·7	42·6	
8·6		5·7	32·9	
8·2		21·7	11·5	8·7 a
9·4		31·2	49·6	
8·4		35·2	5·2	9·2
8·2	4	16·7	33·2	8·0 Gal
8·8		24·2	6·0	9·0
9·6		52·2	44·7	
9·6	5	0·7	28·5	
9·2		27·2	35·4	9·0
9·3		32·2	10·8	
9·5	6	5·2	58·1	9·2
8·4		17·2	58·2	8·8 b–
9·3	7	1·2	51·9	
8·9		6·2	7·1	9·2
9·6		11·2	33·7	
6·8		19·2	9·4	6·5 GSπμ
8·8		21·7	8·9	10·0
8·0	9	14·7	32·9	8·5 a
8·4	11	47·2	27·2	8·0 Ga
8·8	12	33·2	33·2	a
8·4		40·2	20·4	8·5 Ga
8·8		43·7	18·3	9·5
8·4	13	14·7	5·4	9·0 a
3·9		35·2	17·4	3·2 GSμβ
8·6	14	11·7	38·7	9·0 –
8·5	16	8·7	58·7	8·7 a
8·8		27·0	7·3	–
8·9 –		28·0	50·3	9·3 b
8·6		48·9	24·7	9·0 –
8·1	17	23·4	3·8	8·7 Ga
10·2	19	7·5	59·9	
9·6		27·7	50·4	
8·6		28·2	58·3	8·0 Gb–
9·8	20	4·7	17·4	
7·2		38·2	10·2	7·0 Gkal
10·2		42·7	55·1	
10·2		53·2	56·7	9·2
8·6	21	13·3	55·2	9·0 b
8·4	22	57·3	11·6	8·5 a
9·0	23	16·3	23·0	9·0
8·3	24	16·3	44·4	8·2 Gb
9·6		50·3	52·2	9·5
9·6		52·3	53·1	
10·2	26	6·3	46·9	
9·3		22·3	32·8	
10·2		44·8	4·2	
9·3		46·3	17·0	9·5
9·6		51·8	52·3	
9·6	27	12·8	55·8	
10·0		16·3	18·3	
10·0		16·5	2·4	
9·6	28	13·0	2·1	
9·8		14·8	8·0	
9·3		15·8	7·2	8·5 Ga
10·2		32·3	19·8	
9·6		34·3	29·6	9·5
10·0		52·3	38·6	
9·4		54·8	29·4	
9·8	29	2·3	4·2	10·0
	+ 1	31·1	— 3·6	

5821—5880.

mag.	16h. m	s	—25° ′	
10·2	29	3·3	52·4	
10·0		50·3	27·3	
10·2	30	9·8	9·0	
9·6		47·6	3·8	9·2
9·8		49·6	6·7	9·8
9·6		55·1	45·0	9·5
9·6	31	19·6	35·2	
10·2		39·1	42·4	
10·0	32	20·6	6·4	
10·2		22·1	3·7	
7·9		26·1	48·8	GSbcl
10·2		26·1	55·2	
9·6		42·8	1·4	8·5 a
10·2	34	3·1	52·6	
10·2		28·1	15·4	
9·6	35	14·6	20·0	
10·2		26·1	5·0	
10·2		46·1	12·3	
9·0	36	12·1	32·3	
9·6		17·3	2·8	a
10·2		22·6	15·6	
10·2		22·9	48·3	
10·0		56·1	59·0	
9·4		57·1	20·4	
10·2	37	16·6	1·6	
9·4		22·1	36·1	
9·8		32·6	30·8	
9·8		43·6	42·4	
9·3		45·6	8·0	9·0 a
8·6		59·1	27·8	9·5 –
10·0		59·1	29·2	
9·1	38	11·1	27·4	9·5
9·6		31·1	14·4	
10·2		45·1	43·4	
7·8	39	12·6	18·0	7·0 GSπβ
10·2		21·6	39·6	
9·3 –		56·2	6·7	
9·1	40	34·6	50·8	9·5
9·8		42·8	52·2	
8·3	41	13·8	17·0	8·5 Ga
8·8		39·8	20·0	8·5 a
8·6		40·1	1·4	9·0
9·6	42	5·8	1·2	
9·1	43	0·8	0·7	10·0
9·0		1·3	52·2	9·0 a
8·8		3·8	12·4	9·0 Ga
9·3		7·8	45·6	b
9·2		32·8	23·4	
10·0		35·3	3·4	
9·8		52·3	31·7	
9·8	44	5·8	45·8	
9·8		7·7	25·3	
8·2		11·3	19·1	8·5 Gal
9·8		33·3	57·6	
7·4		35·8	23·1	7·5 GScl
9·4		41·8	48·0	
9·6		47·3	17·0	
9·8	45	4·8	3·0	
9·3		15·3	8·0	9·2 a
8·3		29·8	3·5	8·3 Ga
	+ 1	31·7	— 2·9	

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5881—5940.

mag.	16h.–17h. m	s	—25° ′	
9·4	45	56·8	30·5	
7·6	46	40·3	37·2	8·0 GScl
8·0		51·3	36·3	8·5 GWal
9·3	47	0·8	1·4	a
10·0		4·8	50·1	
10·0		25·5	35·9	
10·0		30·0	44·6	
10·0		53·6	46·9	
7·7	48	4·5	19·7	8·0 GScl
8·5		27·5	48·1	8·8 a
9·4		33·1	56·9	9·5
9·8		43·5	42·8	9·5
9·8		51·0	29·9	
9·4	49	26·5	35·5	
10·0		34·0	33·1	
9·3		42·5	36·0	
9·4	50	16·5	29·6	
9·3		17·0	19·2	
10·0		34·0	8·6	
8·4		34·5	51·8	7·8 GScl
9·4	51	43·5	23·7	
9·0		47·5	30·4	9·5 –
9·6	52	2·5	28·9	
9·8		22·0	55·1	
9·6		26·0	39·3	
8·8		37·0	8·7	
9·4	53	9·0	35·7	–
9·8		27·0	20·6	
10·0		29·0	38·9	
9·2		42·5	26·8	
9·4		43·0	33·1	
8·3		47·5	6·0	8·2 b
9·8		58·5	30·4	
9·4	54	6·5	13·6	
9·2		7·8	57·8	
9·4		12·0	42·6	–
9·3	55	27·0	28·2	
9·4		38·5	2·1	
9·2		40·5	16·0	
9·8	56	14·0	46·7	
7·2		20·0	31·1	7·0 GSμβ
9·8		52·3	23·6	
9·4	57	2·8	10·4	
7·0		2·8	27·8	7·0 GSμβ
9·3		5·8	19·7	
9·0		20·8	8·4	
8·3		41·8	18·0	8·0 Wac
8·8		55·8	38·4	8·5 a
9·6	58	20·8	10·0	
9·8		43·8	40·8	
9·6	59	9·8	7·2	
9·8		14·8	3·3	
9·8		48·8	27·6	
8·1	0	10·3	17·4	Ga
9·8		32·8	38·5	
9·5	1	33·1	54·4	
10·4		52·0	57·2	
10·0		55·6	22·7	8·5 a
10·2		59·9	52·7	
10·4	2	12·3	9·7	
25pr.	+1	32·1	–2·4	

5941—6000.

mag.	17h. m	s	—25° ′	
10·4	2	27·3	25·9	
10·0		46·3	24·6	
10·0		49·6	51·2	
10·4		55·3	19·2	
10·4	3	3·8	48·0	
9·8		44·1	2·8	
8·8		47·4	9·6	9·0 a
9·8		47·9	50·1	9·0 =
9·8		53·9	8·6	9·5
9·8	4	0·4	34·8	
10·4		10·9	31·2	
10·4		13·9	48·0	
7·9		18·9	31·4	Ga
7·1		32·9	5·8	6·5 GScl
8·8		37·9	29·8	a
10·1		44·9	24·8	
8·5		50·9	4·2	8·5 GWbl
8·6		52·4	6·6	9·0 a
9·6	5	3·4	27·0	
8·2		19·7	1·2	8·8 Gal
9·0		22·9	23·2	
10·2		34·3	57·4	G
9·2		35·4	58·7	9·5 G
8·5		38·9	52·6	9·5 a
10·0		49·4	53·0	
10·4	7	1·4	6·0	
8·8		2·9	46·4	9·5 a
9·8		3·9	9·4	
10·4		32·9	43·1	
9·4		42·4	16·4	
9·5		43·6	2·4	
10·4		45·9	9·0	
10·4		57·4	24·9	
10·0	8	2·0	57·2	
10·1		6·9	11·8	
10·4		7·4	24·1	
10·4		15·4	48·0	
8·5		15·9	59·6	9·0 a
9·4		21·4	47·2	
7·9		46·4	9·7	7·5 GSlβ
10·0		52·4	28·0	
9·5	9	12·4	49·8	
10·4		41·4	43·6	
10·4		44·9	33·6	
10·4	10	21·4	26·9	9·5
10·4		33·4	9·0	
9·8		33·4	47·0	
10·4		48·4	47·2	
10·0		56·4	33·4	
9·8	11	6·4	41·0	
9·0		10·3	2·5	a
10·1		20·9	13·0	
9·4		20·9	35·2	9·5
9·2	12	6·2	53·8	9·0 a
10·2		28·1	33·6	
10·4		29·2	45·9	
10·4		31·7	41·0	
9·6	13	4·7	43·2	
10·0		6·2	50·4	
10·4		10·7	59·7	
	+1	32·4	–1·9	

6001—6060.

mag.	17h. m	s	—25° ′	
10·4	13	43·1	31·1	
10·4	14	13·7	25·4	
10·4		17·2	16·8	
10·4		19·7	24·8	
9·8		22·2	3·2	
10·4		46·2	24·1	
9·8	15	2·2	37·6	
8·5		2·7	26·0	a
10·2		6·1	50·7	
9·8		9·7	37·6	
9·8		21·2	37·1	
10·4		23·7	37·3	
10·0		25·7	11·4	
10·4		29·1	7·6	
10·4		31·7	15·2	
10·4		48·7	29·0	
10·4	16	21·2	36·2	
10·4		22·7	36·0	
9·8		32·2	45·4	
10·4		52·2	58·2	
10·4	17	1·2	46·0	
10·2		1·7	52·4	
10·4		28·1	20·0	
10·0		42·7	38·0	
10·4		56·2	13·8	
10·4	18	2·7	35·0	
10·4		49·2	53·7	
6·3	19	11·2	49·9	6·5 GScl
10·2		17·2	15·6	
9·1		19·2	9·6	9·5 –
9·2	20	12·2	1·9	
9·4		30·7	39·7	
9·2		32·7	7·0	9·5 a
7·7		56·2	24·2	7·0 GSlπ
9·8	23	34·7	57·6	
10·0	26	14·0	53·6	
9·5	27	17·5	21·0	
8·6	32	50·9	33·2	9·0 a
9·9	33	1·9	7·6	
9·9		18·9	15·4	
9·5		55·4	54·3	
9·3	34	0·9	12·0	
10·0		16·9	47·2	–
10·0		19·4	33·8	
8·9		43·9	42·8	a
9·8		48·9	51·4	
9·8	35	2·4	40·6	
10·1		20·9	33·6	
9·1		48·2	1·0	9·5 a
10·0	36	2·4	59·2	
9·5		20·9	10·4	10·0
9·8		28·9	54·8	
9·8		30·4	54·0	
10·0		46·9	29·8	
9·2	37	7·9	40·1	–
10·2		10·9	56·9	
10·1		14·9	10·8	
8·7		35·9	18·2	9·0 =
9·7	38	13·9	47·0	
10·1		14·4	27·0	
	+1	32·5	–1·5	

6061—6120.

mag.	17h. m	s	—25° ′	
9·8	38	15·9	43·8	
10·1		16·9	29·2	
9·3		22·9	41·6	
9·3		25·9	12·0	
9·7		30·4	19·4	
10·0		31·4	59·2	
10·0		33·9	52·4	
10·0		42·9	28·4	
10·2		46·9	57·0	
9·9		54·9	49·4	
8·6		58·9	42·2	9·0 Ga
9·1	39	1·4	55·7	
9·8		3·9	36·3	
9·1		6·9	43·6	–
9·8		17·9	28·0	
9·7		18·4	53·4	
9·9		35·4	28·0	
9·5		36·9	13·1	
9·7		42·5	12·0	
10·2		53·0	26·0	
10·0		56·0	53·2	
8·2	40	1·5	8·4	8·5 Wal
10·2		5·0	25·7	
9·8		6·0	19·3	
9·5		6·5	41·0	
9·5		7·5	40·8	
10·2		16·0	26·6	
9·3		29·0	53·2	
9·7		43·5	15·2	
10·1		56·5	34·0	
10·0	41	7·5	0·6	
9·3		8·5	8·6	
10·0		13·5	28·1	
9·3		14·5	3·2	
8·4		16·0	42·2	8·5 a
10·2		17·5	58·0	
9·5		17·5	31·8	
10·2		26·5	43·4	
10·0		36·5	16·5	
9·6		39·5	23·4	
9·7		41·5	1·0	
10·2		50·0	59·9	
8·7		52·5	56·4	9·0 –
9·9	42	2·0	29·6	
10·1		2·5	46·0	
10·2		8·5	29·2	
9·4		11·0	40·6	
10·0		13·0	58·1	
10·2		15·5	9·0	
9·6		22·5	10·4	a
10·1		32·5	17·2	
8·8		33·5	23·5	9·5 G
10·2		37·5	13·4	a
10·1		48·0	31·8	
10·2		51·5	14·6	
9·8	43	6·5	21·8	
9·5		17·0	15·8	
10·0		22·5	10·6	
10·2		28·0	26·7	
10·1		32·7	5·8	
	+1	32·7	–0·7	

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6121—6180.

mag.	17h. m s	—25° ′	
9.3	43 35.7	44.4	
9.1	36.2	2.1	9.5
10.0	41.2	32.0	
9.4	46.2	16.2	
10.0	46.2	56.1	
9.2	56.2	46.9	
10.1	44 3.2	28.0	
8.6	10.2	44.2	8.0 GWbl
9.8	12.2	11.9	
9.2	16.2	45.4	9.5 Wb
10.0	28.2	18.1	
10.2	46.2	56.9	
9.0	51.7	29.5	9.0 b
10.2	45 3.2	24.1	
9.8	6.2	51.8	
9.8	6.7	55.0	
10.2	15.2	18.4	
10.2	15.7	50.3	
10.1	28.0	58.9	
9.3	28.2	43.1	W
9.9	33.2	46.2	
8.6	35.2	58.3	9.5 a
10.1	41.7	13.1	
9.6	43.7	6.9	
9.2	58.2	36.7	
10.2	46 2.1	56.4	
10.2	7.1	7.2	
10.0	12.7	56.3	
10.0	22.2	46.3	
9.0	33.2	56.1	9.5 a
10.2	40.9	53.2	
10.0	54.2	24.4	
10.2	56.2	2.9	
9.5	56.2	26.8	
10.1	47 7.8	2.9	
10.0	23.0	22.4	
10.2	27.0	21.3	
10.4	28.1	23.7	
9.5	36.3	6.3	
10.4	38.1	3.7	
9.9	42.6	47.3	
9.5	43.6	49.9	
10.3	52.6	21.0	
10.3	59.1	10.6	
9.5	48 0.6	24.9	
9.8	0.6	40.7	
9.5	3.6	49.3	
10.4	14.1	49.1	
10.2	16.5	40.3	
8.9	25.0	10.5	8.8 ≡
7.7	31.5	38.9	M≡m
9.0	32.5	27.1	
9.8	35.0	54.3	
9.6	38.0	16.4	
8.4	39.0	14.3	9.0 =
10.4	42.0	29.3	
10.4	43.0	13.8	
10.3	48.5	7.9	
10.4	52.0	32.0	
10.3	58.5	18.1	
25pr.	+1 32.7	—0.5	

6181—6240.

mag.	17h. m s	—25° ′	
9.9	49 0.0	6.8	
9.3	3.0	12.6	
10.2	6.0	34.0	
9.0	6.5	7.9	9.5
10.3	12.5	39.2	
10.4	17.1	57.0	
10.4	30.0	20.7	
10.3	30.5	29.5	
9.8	37.0	33.2	
10.2	40.5	28.1	
8.8	43.5	22.0	–
8.3	52.0	3.8	9.0 Wa
10.4	52.5	37.0	
9.8	56.0	21.6	9.5
10.4	50 0.5	10.1	
8.9	10.0	24.7	9.5
10.0	10.0	25.2	
10.4	18.1	51.6	
10.4	22.0	44.8	
10.4	26.5	49.0	
9.5	37.5	7.6	9.0 GWam
10.2	42.5	9.3	
9.6	44.0	54.1	
9.0	50.5	54.8	
9.5	54.5	33.4	
10.4	58.6	25.4	
10.4	51 5.6	1.1	
10.4	6.1	40.5	
9.4	6.6	23.6	
9.8	9.6	43.3	
8.2	10.1	47.5	8.5 Ga
9.6	11.1	16.0	9.0 a
10.3	17.1	33.6	
8.7	18.6	10.5	9.5 Wa
10.2	28.1	17.9	
10.4	31.1	21.2	
7.6	31.6	48.3	8.0 Gaml
8.9	35.6	57.7	
9.8	38.6	51.5	
10.4	45.1	16.3	
10.2	51.6	0.3	
8.4	52 12.1	9.0	9.0 Wa
7.7	17.6	4.5	8.2 GWam
10.4	20.1	30.3	
10.4	23.1	49.7	
9.8	24.1	21.2	
9.9	28.1	8.6	
10.0	28.6	7.5	
9.8	32.9	9.7	
10.2	34.6	13.6	
9.8	37.6	59.0	
9.4	41.6	47.8	
9.8	41.9	57.0	
10.4	47.6	2.1	
10.4	56.9	15.3	
10.4	53 6.1	7.5	
10.4	12.6	6.0	
9.0	16.1	15.8	
9.8	17.4	59.9	
9.5	33.1	6.0	9.5
	+1 32.7	—0.3	

6241—6300.

mag.	17h. m s	—25° ′	
9.5	53 44.1	1.8	
9.2	48.6	54.2	
10.0	52.9	44.8	
9.2	56.1	36.4	a
10.2	58.1	52.2	
9.2	54 20.3	0.7	9.0 a
10.4	22.8	47.0	
9.9	31.8	54.9	
9.8	37.8	46.7	
9.8	41.8	55.3	
9.3	47.3	14.3	
9.5	47.8	48.2	
9.9	50.8	41.4	
10.4	53.8	27.5	
9.8	57.3	28.2	
9.4	58.1	59.7	
10.4	55 2.3	5.0	
8.8	19.8	44.8	10.0
9.2	29.8	56.9	9.5
8.3	36.8	54.8	8.8 >
10.0	41.8	47.8	
9.0	43.3	15.9	a
10.4	51.8	49.8	
10.4	53.3	31.5	
10.4	54.3	29.2	
10.0	55.8	38.9	
9.9	59.3	27.3	
10.4	56 0.8	50.1	
8.4	1.3	18.7	a
9.4	1.8	44.8	
9.8	5.3	20.1	
9.6	7.3	4.8	
10.3	8.3	29.5	
8.6	9.8	32.9	
8.6	12.8	39.9	W=
8.6	15.8	28.6	
9.3	29.3	47.0	
10.0	31.3	52.0	
10.0	32.1	25.6	
9.0	47.6	4.3	
10.3	53.6	58.7	
10.4	54.1	0.7	
8.7	57.6	12.2	a
10.4	57 0.6	53.3	
10.4	2.1	17.8	
10.4	2.1	45.0	
10.0	4.1	34.1	
7.5	4.1	36.5	7.5 GSbc
10.2	11.1	37.0	
10.4	20.6	45.4	
10.2	23.1	52.0	
9.9	27.6	55.3	
10.0	32.6	35.9	
10.4	36.2	28.0	
9.8	38.3	59.2	
10.2	39.1	40.0	
9.2	43.6	16.6	
10.3	52.6	44.2	
10.3	54.6	41.1	
9.5	55.1	42.8	
	+1 32.7	—0.1	

6301—6360.

mag.	17h.–18h. m s	—25° ′	
10.0	57 58.1	19.8	
9.9	58 1.6	46.6	
10.3	1.6	52.4	
9.0	2.1	14.6	
9.6	4.1	40.9	
10.3	5.6	12.6	
9.6	16.1	53.2	
9.3	18.1	31.7	9.5 –
9.8	28.6	13.4	
9.8	38.8	2.4	
9.0	49.6	29.0	8.5 GWa
9.8	55.1	59.8	
10.2	56.1	56.5	
10.4	59 2.1	36.5	
8.9	2.1	53.4	
10.2	2.1	41.6	
9.6	17.6	37.5	
10.0	20.9	13.6	
10.4	25.4	44.8	
10.3	27.4	8.3	
9.6	28.9	17.1	
9.4	29.9	32.8	
9.8	31.4	17.4	
10.4	31.4	45.0	
10.4	32.4	1.3	
10.0	42.4	28.8	
10.2	43.4	27.8	
8.4	45.4	7.0	8.5 ≥
10.4	49.4	43.0	
8.4	50.9	34.8	8.5 Ga
8.0	52.9	36.3	8.5 Ga
10.4	54.4	0.9	
9.9	55.9	52.8	
10.4	0 1.5	2.1	
10.2	1.9	13.6	
10.4	2.6	23.6	
10.4	2.6	19.8	
9.8	11.9	39.2	
10.2	12.9	57.7	
9.6	15.4	43.9	
10.2	17.4	27.8	9.5
10.3	20.9	12.6	
9.2	22.4	43.2	
8.0	23.4	21.7	8.0 Gb≡l
9.8	35.4	29.2	
8.7	36.9	43.8	Ga
10.3	41.4	39.0	
9.4	44.4	9.6	
10.3	49.6	31.1	
10.4	55.5	48.0	
9.8	58.4	21.8	
9.3	1 8.9	40.8	
7.0	10.9	29.3	7.3 GScl
9.8	11.4	40.0	
9.8	28.2	4.6	
9.2	28.2	8.2	
9.6	50.7	57.0	
10.4	55.7	28.2	
9.5	55.7	59.2	
10.4	2 6.2	35.9	
	+1 32.7	0.0	

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6361—6420.

mag.	18h. m s	—25° ′	
9·2	2 6·7	28·3	
9·2	13·7	18·2	8·5 ≡
10·3	20·7	5·2	
9·9	25·2	50·8	
10·4	29·7	30·3	
10·4	31·7	3·4	
9·3	32·7	40·5	
10·4	39·7	7·9	
9·8	43·7	38·7	
9·8	43·7	32·5	
9·8	52·2	50·4	
8·6	52·7	20·4	9·5
9·0	3 1·2	41·7	9·5
10·4	6·2	21·8	
10·2	12·2	12·8	
9·9	12·7	39·6	
10·3	19·7	47·5	
8·1	20·7	47·2	7·0 GSlπ
9·3	21·2	10·2	
10·3	23·7	5·0	
10·0	25·2	14·0	
9·2	25·4	58·7	
10·0	39·7	34·6	
9·2	49·2	2·8	
9·9	54·2	22·5	
10·0	54·2	43·1	
10·3	4 0·7	15·4	
9·0	6·7	6·2	
9·0	9·7	4·9	a
10·3	25·2	10·1	
9·9	34·5	33·5	
10·4	50·0	48·9	
10·4	57·0	40·0	
10·4	5 1·0	17·2	
9·9	10·5	48·3	
9·6	22·3	1·1	9·5 a
7·9	40·5	10·7	8·0 GWal
10·4	45·0	25·0	
10·4	47·0	26·5	
9·6	6 13·0	6·7	
8·8	21·0	3·9	
10·3	25·0	7·7	
7·8	25·0	20·5	8·5 Ga
9·0	36·5	18·6	
10·0	50·0	13·6	
10·0	52·5	24·9	
10·3	7 4·5	13·3	
10·3	24·5	55·8	
8·6	24·5	5·3	a
9·8	26·0	5·1	
8·8	27·0	49·4	8·0 Ga
10·4	28·5	37·9	
9·8	32·0	30·1	
10·3	36·5	40·5	
9·5	43·0	29·7	
10·4	43·5	19·1	
10·4	45·5	26·1	
10·4	48·5	50·1	
10·0	55·0	51·7	
9·2	8 13·0	44·8	8·5 GWa
25pr.	+1 32·7	+0·2	

6421—6480.

mag.	18h. m s	—25° ′	
8·6	8 15·0	29·7	
8·9	21·0	44·6	
10·4	24·5	44·6	
10·3	26·0	36·1	
9·6	26·0	17·3	
9·5	27·5	36·3	
10·0	29·0	18·0	
8·6	31·0	54·1	9·5 a
9·6	31·7	52·4	
9·9	34·7	39·6	
8·2	35·1	35·1	9·0 Ga
9·6	38·3	40·4	
8·9	40·7	47·9	
9·0	44·7	2·0	
10·3	47·7	12·8	
10·3	55·7	43·5	
9·8	59·2	30·5	
8·8	9 0·0	9·5	9·0 G=
10·3	5·7	24·2	
8·9	7·7	48·4	
8·4	8·2	2·7	9·0 Ga
9·3	8·7	13·5	
8·7	10·7	11·7	9·5
8·8	11·2	3·5	9·5 Ga
9·9	19·2	42·3	
10·0	41·2	28·1	
9·3	42·7	35·9	
9·0	53·1	23·0	8·5 Ga
10·0	54·1	49·1	
10·0	10 5·4	28·3	
9·0	7·3	14·9	
9·6	17·4	28·0	
10·0	17·4	32·6	
8·5	17·9	7·4	9·0 am
9·4	29·4	36·6	
9·6	31·4	2·8	
9·0	35·9	18·2	
9·4	40·4	9·6	
9·0	56·4	58·8	8·2
8·0	57·9	38·8	7·0 GSbc
10·0	11 2·4	25·8	
8·8	19·4	22·2	9·0 =
9·5	21·9	25·0	
9·0	25·4	34·0	9·0 ≥
8·8	38·9	22·8	9·5 G
8·8	44·4	43·4	
10·0	56·9	15·0	
10·2	12 1·4	38·5	
10·2	1·9	6·9	
9·9	13·4	44·0	
10·2	19·4	29·6	
9·6	24·4	15·9	
9·5	25·2	58·8	9·5
9·1	39·4	5·6	9·5 Gb
10·2	49·4	14·4	
8·1	59·4	31·3	9·0 ≡m
9·0	13 4·9	47·7	–
10·2	5·4	32·2	
9·6	14·4	40·9	
8·8	28·9	35·6	9·5
	+1 32·7	+0·4	

6481—6540.

mag.	18h. m s	—25° ′	
8·8	13 46·4	28·8	9·0 =m
9·6	48·4	35·9	
9·6	56·0	34·2	
10·2	14 4·0	24·8	
10·2	7·0	40·8	
10·2	11·5	0·1	
9·2	14·0	48·3	–
8·4	23·5	25·3	9·5 M–m
8·6	24·0	17·7	9·0
9·5	48·5	30·5	
9·6	54·3	2·0	9·5 a
10·2	15 4·5	29·1	
9·0	10·0	27·7	9·5 a
10·0	22·0	22·6	
10·2	31·5	29·9	
10·2	35·5	56·8	
10·2	45·0	4·8	
9·5	16 13·0	28·5	
9·6	23·5	50·9	
9·6	24·5	1·9	
9·4	35·5	21·0	
9·6	36·5	36·5	
9·6	43·0	2·0	
10·2	17 43·0	23·8	
10·0	55·0	8·0	
9·6	55·0	44·8	
9·4	18 12·0	32·9	
9·6	14·0	52·7	9·2 =
10·2	21·0	24·5	
9·8	28·0	56·5	
10·2	31·0	50·1	
10·0	35·0	42·5	
9·6	38·5	12·3	
9·0	55·0	59·1	9·0 M≥m
10·0	19 5·5	31·5	
10·0	17·0	25·2	
9·5	35·0	52·2	
9·6	35·5	6·1	
9·1	40·0	17·4	
10·2	45·2	6·5	
10·2	20 6·2	37·2	
9·0	14·2	31·1	9·5
4·7	15·2	29·2	3·0 GSμβ
9·0	15·2	45·3	–
9·1	17·2	23·8	
9·6	43·7	53·2	
9·6	21 1·7	11·1	
9·5	3·2	21·0	9·0 S
8·0	14·7	7·1	8·0 Gtlπ
10·2	23·7	33·1	
9·8	25·7	37·8	
6·8	39·2	19·9	7·5 GSπμ
8·4	59·2	37·4	8·5 Gb=l
10·0	22 3·7	28·2	
9·4	8·7	22·9	
9·6	12·7	15·5	
10·0	18·2	3·2	
9·0	31·2	25·4	
8·2	36·2	37·8	8·0 Gaml
9·6	37·2	47·2	
	+1 32·7	+0·7	

6541—6600.

mag.	18h. m s	—25° ′	
9·9	22 48·7	20·1	
10·2	23 6·7	54·3	
9·4	7·7	38·1	a
9·4	22·7	49·9	Mm
9·0	32·5	57·3	
10·0	43·2	13·4	
8·6	56·2	46·5	9·0 Ga
10·2	57·6	59·9	
10·2	24 8·2	3·7	
9·1	23·7	48·4	a
10·0	24·7	16·8	
9·4	30·7	6·9	
10·2	33·7	40·8	
9·6	42·7	42·9	
10·2	25 8·2	28·6	
8·3	11·2	10·6	9·0 a
9·0	22·7	16·2	9·0 a
9·5	38·7	23·8	
9·9	47·2	7·4	
10·2	48·5	4·6	
10·2	50·5	47·1	
9·2	52·5	47·8	–
9·4	59·5	20·9	
7·9	26 2·0	32·3	8·0 Gal
10·2	15·5	6·1	
8·5	24·5	28·3	9·5 a
9·4	31·5	49·2	
8·8	55·5	18·0	9·5 Ga
9·9	27 4·5	30·0	
9·5	36·5	14·2	a
9·0	55·5	42·4	a
8·4	28 54·0	24·7	9·0 =
10·2	29 11·5	5·8	
9·6	16·5	28·9	
8·2	27·5	45·8	8·0 GScl
9·6	45·0	23·9	
9·9	30 2·0	13·8	
8·2	33·0	31·4	8·5 GScl
9·4	31 41·2	20·5	
8·5	32 5·2	36·5	8·5 GSa
8·4	9·4	36·8	8·5 GSac
10·0	21·9	23·8	
9·6	45·4	6·4	9·5 a
8·6	33 5·9	7·5	9·5 Wa
8·8	36·9	32·5	–
10·2	41·4	3·1	
8·8	55·9	6·1	8·5 GWam
9·4	34 2·9	16·8	9·5 Gam
9·6	12·9	41·3	
10·0	52·0	23·3	
9·8	53·0	15·1	a
9·5	35 9·5	36·9	≡
9·0	12·0	9·1	8·0 GWam
10·2	23·0	20·8	
9·1	36 28·0	35·7	–
10·0	36·5	52·9	
9·6	56·0	21·0	
8·6	59·0	29·5	8·5 Gam
8·1	37 1·0	55·1	8·0 Gam
9·8	3·0	52·8	
	+1 32·6	+1·0	

6601—6660.

mag.	18h. m	s	—25° '	
8.8	37	6.0	30.6	9.0 Ga
6.7		8.0	8.0	6.0 GSlπ
10.2		11.5	36.2	
10.2		51.0	26.1	
9.8		56.0	43.7	
9.8	38	47.0	18.9	
9.4		49.5	28.6	
9.6		52.0	9.6	
9.8	39	12.3	2.9	9.0 a
9.2		36.0	8.2	
8.8		36.0	20.7	9.5 a
10.0	40	1.5	31.2	
10.2		28.5	3.1	
9.5	41	57.0	45.0	9.0 ≥
9.4		58.5	46.2	10.0
9.1	42	32.0	15.6	
10.0		33.0	59.4	
10.0		37.5	37.0	
9.4		40.0	18.2	G –
8.8	43	31.5	8.1	9.5 a
9.6		40.0	20.1	Ga
9.6	44	13.5	31.3	
10.2		25.0	2.1	
9.6		31.5	29.7	
10.0		37.0	32.0	
9.5		42.0	8.0	9.8
9.4	45	16.0	2.0	9.5
10.2		53.0	44.9	
9.4	46	27.4	18.8	
9.4		38.4	51.4	
9.0	47	2.9	26.5	
10.0		12.4	11.7	
10.2		37.0	35.6	
9.4		54.9	10.9	9.0 Gam
8.0	48	19.4	12.2	Gam
8.8		30.9	4.8	9.0 a
8.8	49	27.4	37.3	Gam
9.8	50	7.4	28.3	
9.0		12.9	33.7	a
10.0		21.9	51.8	
9.4		31.4	31.7	
7.0		40.9	2.4	7.0 GScl
9.5		45.9	51.2	Mm
9.6		49.4	46.9	
10.2		51.9	44.9	
8.3	51	15.9	17.8	8.2 Gaml
9.8		16.9	29.8	
9.8		31.9	50.3	
8.6		55.9	35.7	M≡m
10.0		58.9	18.9	
9.6	52	5.9	13.0	a
9.2		30.9	38.1	
7.7		44.4	6.8	6.5 GScl
10.0	53	2.4	1.8	
9.2		6.9	52.9	9.5 a
10.0		9.8	58.7	
10.2		12.4	32.6	
8.8		16.9	53.7	9.5 a
10.2		55.7	22.8	
10.2		56.2	50.1	
25pr.	+1	32.4	+1.7	

6661—6720.

mag.	18h.–19h. m	s	—25° '	
10.0	54	3.7	43.3	
10.4		6.0	7.8	
10.4		12.3	40.6	
8.8		42.0	51.9	8.5 Gam
10.4		45.5	33.2	
9.1		46.7	41.7	a
7.4		48.7	1.3	6.0 GSπμ
9.8		55.5	26.4	
9.6	55	0.0	7.6	
9.6		0.0	42.5	–
9.1		4.7	16.9	8.5 G
10.4		15.5	4.7	
10.0		20.0	5.1	
10.0		41.0	9.3	
10.4		46.0	54.4	
9.1	56	3.0	20.7	9.5 –
10.2		12.0	45.9	
8.8		33.0	17.7	9.0 –
9.1		37.0	40.9	
7.5	57	5.5	24.8	7.5 GScl
9.2		6.0	42.8	
9.0		10.0	0.0	8.2 Gatπ
9.7		22.0	29.0	
8.6		26.0	6.1	8.5 Gbm
10.0		26.0	40.2	
10.4		37.0	7.9	
10.4	58	12.0	54.1	
10.4		50.5	14.2	
10.4		53.5	11.3	
10.4	59	2.0	4.0	
8.6		28.0	4.4	8.3 Ga
8.6		42.0	26.4	9.0 a
10.2	0	12.0	49.9	
8.3		12.0	53.7	8.0 GSbc
10.4		24.5	7.0	
8.6		25.0	48.1	9.0–m
10.2		25.5	16.1	
8.8		44.1	33.3	9.5
9.6	1	0.1	27.3	9.5 G
6.9		7.1	16.4	7.0 GScl
8.8		26.1	41.2	G –
9.2		36.6	18.7	9.0 Ga
9.2		52.1	41.3	a
9.6	2	7.1	22.8	a
9.6		42.6	24.8	9.5 G
10.0		52.1	31.4	
10.4	3	9.6	10.4	
9.2		12.1	0.0	9.5
9.1		17.1	52.5	
9.3		22.1	52.1	9.5 Ga
9.5		38.1	49.3	
10.0		43.1	46.9	
9.6		43.1	42.2	9.0 Ga
10.0		46.6	42.1	
10.2		52.1	34.2	
9.1	4	2.1	12.0	
10.4		15.3	0.4	
10.2		26.1	22.7	
9.1		30.1	5.5	
9.4		36.1	51.5	
	+1	32.2	+2.1	

6721—6780.

mag.	19h. m	s	—25° '	
9.6	4	51.1	7.8	
8.5	5	2.1	52.6	8.5 Gaml
8.8		2.1	1.1	a
8.6		7.1	6.8	9.0 a
10.2		31.1	28.8	
9.5		32.1	53.4	
8.8		40.1	44.5	a
10.4		46.1	46.2	
10.4		53.5	48.8	
9.4	6	50.1	33.1	9.2 M=m
9.5	7	6.3	57.9	
10.4		13.1	52.3	
9.9		33.1	25.5	
9.4		34.1	44.5	
10.4		37.1	32.5	
10.4		42.1	49.1	
5.7		52.6	28.1	5.2 GSμβ
10.0	8	20.7	1.7	
8.2		31.1	52.9	7.5 GScl
10.4		41.6	16.7	
9.0		42.6	33.2	9.0 G
8.4		44.1	33.5	8.5 Gam
10.4		44.6	24.3	
9.4		59.1	38.5	
10.4	9	12.1	16.3	
10.0		29.1	14.9	
9.2		31.1	10.4	
10.4		53.3	0.3	
9.2		59.1	47.7	9.5 GM≡m
9.1	10	16.1	46.1	
10.4		20.3	59.8	
8.4		23.1	17.6	9.0 b≡ml
10.4		23.6	11.7	
10.4		35.1	32.7	
9.6		38.6	17.5	9.5
8.6		46.1	2.5	am
8.8	11	17.6	29.5	9.5 Ga
10.2		20.1	45.4	
9.8		21.1	27.9	
10.4		23.1	28.3	
9.6		25.8	59.3	
10.0		33.1	6.5	
10.4		46.1	6.4	
10.2		47.1	24.6	
10.4		47.8	39.6	
9.4	12	44.6	33.2	a
10.4		55.1	38.2	
9.1		58.6	24.3	
8.2	13	18.1	45.6	8.5 Gaml
8.8		24.6	49.1	10.0 a
9.0		48.1	26.0	
9.8		49.1	3.4	
9.4		53.1	25.8	
10.0	14	10.1	6.1	
9.2		12.1	21.4	
9.7		14.1	13.8	
9.0		16.1	57.5	9.5 a
9.4		18.1	34.4	
10.4		24.6	35.6	
9.4		29.1	22.6	
	+1	32.0	+2.5	

6781—6840.

mag.	19h. m	s	—25° '	
10.4	14	37.1	32.2	
9.8		39.6	33.0	
9.8		47.8	57.0	9.5 a
10.4	15	13.1	49.6	
9.8		26.1	42.8	10.0 G
8.5		31.1	42.4	Ga
10.4		35.1	39.3	
9.9		54.1	42.8	10.0
10.4	16	0.1	36.6	
10.0		12.7	2.2	
9.9		21.6	17.6	
9.7		26.6	14.8	
9.4		27.6	35.2	9.0 am
9.2		32.1	23.0	
10.4		52.1	21.2	
9.1		57.1	2.0	–
10.2	17	3.1	6.2	
9.1		12.1	38.6	Mm
10.2		26.1	50.4	
10.4		41.0	20.3	
10.4	19	0.8	54.9	
8.5		5.3	49.8	8.5 Gaml
9.8		18.3	34.5	
10.4	20	0.3	24.5	
9.8		41.8	29.5	
9.6	21	22.8	55.2	
9.6		31.8	25.1	
8.8		36.8	43.2	=
10.4		53.8	22.6	
10.4		55.8	15.0	
8.8	22	6.3	56.0	9.5 a
9.4		8.3	22.0	
10.4		15.3	23.0	
9.0		21.8	13.6	
10.2		28.8	16.0	
8.1		32.8	46.2	9.0 am
8.6		34.3	41.6	8.5 Ga
10.0		55.8	21.9	
9.4	23	2.8	50.9	a
10.4		10.8	40.6	
8.0		19.3	47.5	8.8 Gam
9.4		20.2	26.1	
10.4		27.2	17.1	
8.1		37.4	59.7	8.0 GScl
10.4	24	1.7	39.9	
10.4		12.2	51.7	
9.2		14.2	11.9	am
10.4		20.7	30.1	
10.3		22.7	35.8	
10.4		31.7	17.4	
10.4		33.7	37.6	
9.2	25	8.2	11.4	8.8 Gam
8.6		10.2	34.0	8.8 Ga
10.2		10.7	14.4	
8.8		12.2	12.3	8.5 Gam
10.2		15.7	39.9	
9.8		28.7	44.6	10.0
8.8		31.7	43.1	8.3 Ga
9.8	26	21.7	58.3	a
8.8	27	32.7	23.7	9.0 Ga
	+1	31.7	+2.9	

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6841—6900.

mag.	19 m	s	—25° ′	
10.4	27	51.7	28.0	
9.4		56.7	45.3	
9.6	28	12.2	21.6	
10.4		18.2	49.1	
10.4		40.7	47.4	
4.8	29	5.7	9.5	5.0 GSμβ
9.8		13.7	40.9	
8.6		25.7	21.1	8.7 M m
9.4		34.7	6.9	9.5
9.6		52.2	27.8	9.5
10.0	30	6.9	57.9	9.0 a
9.2		13.7	51.5	9.5 a
10.4		17.7	22.0	
8.8		20.7	17.6	9.5
9.2		51.7	55.1	9.5 a
8.8	31	12.2	51.1	9.5 a
9.8		29.7	54.0	9.5
10.0		40.7	55.7	9.0
9.2		55.7	21.3	
10.4	32	19.5	42.0	
8.8		35.2	6.4	9.0 GWa
9.8		45.7	14.0	
9.4	33	27.7	9.2	9.5 Ga
10.4		29.2	7.0	
8.4	34	0.7	7.5	9.0 Waml
10.2		17.7	54.9	
9.4		21.7	47.7	
9.8		28.2	12.0	
9.0		43.2	36.9	–
7.4		47.2	8.9	7.0 GScl
10.4	35	0.7	45.2	
9.4		0.9	58.6	9.0 =
10.4		10.7	18.8	
9.4		21.2	49.5	9.0 ≡
10.4		26.2	18.7	
10.4		26.7	33.0	
10.4		45.7	29.3	
9.8		50.2	27.6	9.0
9.8	36	1.7	34.3	
8.2		10.2	0.8	8.5 Gbml
9.8		11.4	59.6	
8.5		15.7	12.4	9.0 bl
9.2		25.2	29.7	
10.4		56.3	30.0	
10.4	37	1.8	6.1	
10.4		10.8	55.8	
8.6		14.8	36.3	9.0 Gam
10.2		21.3	58.8	
10.4		32.3	2.8	
9.0		35.3	40.4	8.5 Gam
10.4		44.8	19.0	
9.2		48.3	58.9	9.5 –m
8.4	38	0.8	28.3	9.0 Gam
10.4		3.8	13.2	
10.2		5.8	56.0	
8.8		11.3	31.2	9.0 Ga
8.8		20.8	49.7	9.5 G
9.0		29.1	52.0	
9.6		35.6	57.9	9.5
8.0		50.6	10.8	8.2 Gb≡l
25pr.	+1	31.3	+3.4	

6901—6960.

mag.	19h. m	s	—25° ′	
10.4	39	15.3	5.6	
10.4		33.7	23.5	
10.2		54.9	9.4	
8.4	40	2.9	56.0	8.0 Gal
10.0		3.9	27.8	
9.4		18.6	5.9	
9.8		43.4	33.8	
10.2	41	28.4	35.2	
10.2		45.5	7.7	
10.0		58.5	42.1	
10.0	42	4.0	33.3	
9.4		54.0	51.2	
8.2	43	4.0	37.1	8.5 Ga
9.8		20.0	9.4	
9.8		31.5	52.8	
10.2		34.5	18.2	
8.0		40.5	12.8	7.8 G≡
10.2		47.0	58.9	
8.7		50.5	6.3	9.0
9.6		55.0	5.7	9.7
9.4	44	33.0	13.9	
10.2		37.0	39.0	
9.3		43.0	40.0	
10.2		50.5	20.9	
9.8		53.0	4.9	
10.0	45	7.5	18.0	
9.0		9.0	18.7	8.5 –
8.7		17.0	31.2	9.0
9.6		31.5	52.0	9.0 Ga
8.0		33.0	46.7	8.0 Gal
9.4		38.0	18.9	
10.2	46	4.0	33.3	
9.0		15.0	55.2	
10.2		28.0	18.2	
9.4		37.5	36.3	
9.4		59.0	51.4	10.0
10.2	47	3.0	23.9	
10.2		17.0	4.8	
10.2		18.0	7.1	
10.0		31.5	35.2	
9.6		35.0	15.3	
9.4		37.0	50.6	–
10.0		37.5	48.8	
10.2		45.5	4.9	
9.6	48	3.0	37.3	
9.4		34.5	38.8	
9.0		37.6	33.2	9.5
9.1	49	6.1	37.8	9.0
9.4		16.6	34.0	
8.4		32.6	25.1	8.5 GWa
10.2		39.6	52.0	
10.0		42.6	39.5	
8.2		44.1	23.2	8.5 GWa
9.0		47.6	8.2	a
8.2		54.6	30.4	8.2 GWa
10.2	50	0.1	9.2	
10.2		13.6	13.8	
9.3		16.1	26.4	
10.2		41.6	10.0	
9.3		46.6	17.6	Gka
	+1	31.1	+3.7	

6961—7020.

mag.	19h.-20h. m	s	—25° ′	
10.0	50	47.6	44.4	
8.7	51	12.6	16.4	a
9.0		29.6	25.6	9.0 GWa
10.2	52	27.6	48.2	
10.2		54.1	27.8	
10.2	53	7.6	20.6	
9.6		31.6	29.2	
9.8		36.6	3.8	
10.2		37.6	2.9	
10.2		52.6	25.4	
10.0	54	0.6	11.2	
9.8		32.2	58.8	
10.2		40.1	29.8	
9.3	55	36.1	21.0	9.5 a
9.0		45.6	29.5	
10.2		54.1	21.4	
10.0		55.1	29.0	
10.2		58.6	23.6	
10.2	56	13.6	45.1	
9.0		13.9	39.4	
10.2		27.9	51.0	
10.2		31.9	20.9	
10.2		43.4	49.9	
10.2	57	16.9	58.8	
9.0		41.9	24.5	9.0 Gam
10.2		50.9	54.8	
9.6		58.4	36.0	
9.0	58	21.9	35.9	
10.2		26.9	30.9	
9.8		43.9	15.9	
9.1	59	2.9	55.9	9.0 a
10.2		6.9	53.4	
9.4		30.9	30.3	
10.2		33.4	53.1	
9.0		35.9	7.8	10.0 G–
9.6		44.9	44.9	
10.2		49.9	43.7	
10.2	0	41.6	48.8	
9.4		52.6	51.6	
9.4	1	0.6	3.5	9.5 Ga
8.8		32.6	52.3	
9.6		37.1	28.8	
9.4		56.1	47.1	
9.1	2	5.8	53.7	
10.0		21.0	57.8	
9.2		32.0	18.9	
9.0		34.8	33.4	8.5 Gb–l
7.8		34.8	38.9	7.7 GScl
9.6		35.0	6.9	
8.4		56.5	17.3	8.5 b≡ml
9.6	3	43.0	54.9	
9.4	4	21.0	14.9	
8.8	5	17.0	10.6	8.0 GWal
9.5		18.0	38.5	
8.2		38.5	14.3	8.7 Gaml
9.6		45.5	20.7	
9.5	6	38.5	31.3	
9.4	7	30.5	32.8	
10.1		35.5	35.6	
10.0	8	22.5	3.8	
	+1	30.6	+4.1	

7021—7080.

mag.	20h. m	s	—25° ′	
10.0	8	35.0	12.3	
8.8		40.5	34.9	8.5 a
10.1		51.0	14.4	
9.6	9	16.0	3.7	
9.8		25.0	52.8	
9.0		32.0	9.3	
10.1		40.8	38.6	
10.0	10	18.0	4.6	
10.0		33.5	6.1	
9.8		38.0	27.1	
9.0		38.5	23.9	Wa
10.1		44.0	4.3	
9.4	11	21.0	9.9	
9.5		22.3	42.7	
10.1		24.8	31.0	
9.4		30.3	27.3	
10.0		32.3	16.5	
9.8		45.8	28.6	
10.1		49.0	19.2	
9.2		57.3	10.7	
9.0	12	11.3	3.3	9.0 GWa
7.6		16.3	36.7	7.5 GScl
9.8		18.5	1.9	
9.8		21.7	7.9	
9.8		29.7	44.2	
9.8		33.8	41.9	
9.8		39.8	47.2	
9.6		47.3	50.9	
8.3		56.8	36.1	8.0 GWal
9.0	13	12.3	10.9	9.0 G–m
8.4		16.8	11.3	8.2 G≡m
9.8		35.8	43.1	Ga
10.1	14	47.0	9.8	
8.8		49.3	22.4	
9.6	15	2.3	7.5	
8.8		27.3	19.4	8.5 ≡m
8.2		33.8	23.1	8.5 GW–m
10.0	16	27.8	33.9	
9.0		36.3	37.9	Mm
8.8		41.8	22.9	
9.4		44.8	32.6	
9.8		56.3	44.5	
9.4	17	20.3	35.9	
10.0		50.8	12.9	
10.1		51.3	20.9	
9.8	18	25.3	21.3	
9.2		38.3	19.9	
8.8		38.8	15.1	9.5 M–m
9.4		41.3	25.3	9.5
8.8		46.3	36.4	G
8.0		47.3	21.1	8.5 b=ml
10.1		55.8	55.7	
9.8	19	12.8	52.2	
9.8		17.5	48.9	
9.8		19.0	17.5	
8.8		39.5	2.0	8.8 Wam
9.4		43.0	40.2	
9.4		46.5	28.8	
9.2	20	10.0	59.1	9.0 Ga
9.0		39.5	29.8	M–m
	+1	30.2	+4.6	

7081—7140.

mag.	20h. m	s	—25° ′	
9.4	20	54.0	57.3	
9.2	21	46.5	34.1	
8.8	22	17.5	51.5	9.5 M
10.0		23.0	3.1	
10.1		32.0	42.2	
9.2		35.0	11.4	
10.0		55.0	27.1	
10.0	23	5.0	44.7	
9.8		7.5	58.7	
9.2		12.5	55.1	9.8
10.0		20.5	26.0	
9.6		27.0	50.0	
9.6		42.8	17.7	
10.1		43.3	23.5	
10.0		47.5	39.0	
9.6		49.3	26.6	9.5
8.8		59.3	26.7	9.0 a
9.8	24	19.8	27.3	
9.1		23.5	25.1	8.8 a
10.0		36.0	11.4	
10.1		44.0	14.7	
7.9		52.7	17.5	7.5 GSlπ
10.4		57.2	12.8	
6.5	25	26.2	21.8	6.7 GSπμ
10.0		41.7	24.8	
9.9		42.3	3.2	
10.0		46.2	3.9	
9.9		57.4	57.0	
10.4		58.7	4.8	
8.6	26	11.7	47.2	a
10.4		17.7	32.3	
8.6		24.2	5.1	8.3 Gaml
9.6		45.7	27.8	9.5 G
10.4	27	1.7	58.3	
9.6		4.2	56.1	
8.8		21.2	39.3	
9.8		21.2	25.5	
9.6		26.7	56.8	
9.4		39.4	57.2	
8.8		42.7	54.6	8.8 Ga
9.2		51.2	34.6	
10.4		57.7	36.8	
10.0	28	8.7	30.6	
9.6		41.7	11.5	
10.4	29	2.7	27.4	
9.4		21.4	57.8	
10.4		22.7	45.1	
10.4		55.7	8.0	
10.4		59.2	47.9	
10.4	30	8.2	7.6	
9.2		18.3	2.0	
9.9		25.7	12.8	
10.0		25.7	16.5	
9.9		25.7	24.9	
6.8		25.7	32.4	6.8 GScl
10.0		35.7	42.8	
9.4		42.7	36.7	
9.8		48.8	7.2	
9.9	31	8.3	16.1	
8.6		22.8	38.0	8.2 a
25pr.	+1	29.7	+5.0	

7141—7200.

mag.	20h. m	s	—25° ′	
10.2	31	41.8	29.1	
10.0		47.3	41.4	
10.0		54.8	26.0	
9.0	32	22.8	26.3	
10.4		27.8	13.0	
9.6		47.8	37.5	
9.4		52.8	45.6	
9.6	33	5.3	9.9	
8.4		24.3	29.4	8.0 Gam
9.2		34.3	39.5	
8.8		36.3	51.7	
10.2		47.3	44.2	
9.8	34	6.8	48.8	
10.0		21.3	26.9	
10.2	35	0.3	46.1	
8.8		28.3	22.3	
9.8		51.3	8.6	
8.8		53.8	37.0	
9.6	36	2.3	40.5	–
8.4		10.3	8.3	8.2 GWam
9.8		35.8	32.2	
9.6		47.8	36.6	
10.4		48.1	1.0	
9.6		56.3	12.2	
10.0	37	21.8	7.2	
10.4		29.3	7.9	
9.9		32.3	22.0	
10.4		47.8	41.8	
9.6		49.8	44.0	
10.4		55.8	0.7	
9.5	38	6.8	18.2	
9.8		12.8	56.0	
8.4		35.9	33.4	8.0 a
4.1		41.9	43.1	4.2 GSμβ
10.0		52.9	24.6	
8.8		55.9	45.6	9.0 Ga
9.6		59.4	10.0	
9.9	39	1.9	54.8	
7.8		7.9	22.1	7.8 GWb
9.2		8.9	20.5	9.5 G
9.6		12.9	54.4	
9.9		31.9	3.1	
9.6		38.9	12.4	
9.6		55.4	2.8	
9.6		56.4	55.1	
10.4	40	7.9	21.1	
10.0		10.9	13.1	
10.4		46.4	5.1	
9.6		59.9	43.2	
10.4	41	2.9	1.5	
9.6		52.9	28.1	
9.6		55.9	25.5	
10.4	42	3.4	7.0	
9.6		22.3	2.4	
9.2		22.9	49.9	
8.6		26.9	17.0	Mm
7.0	43	7.4	26.5	7.0 GScl
9.0		29.4	44.0	
10.2		37.9	52.8	
10.4		52.9	14.9	
	+1	29.1	+5.3	

7201—7260.

mag.	20h.–21h. m	s	—25° ′	
8.8	43	58.4	29.2	
9.6	44	11.9	18.1	
9.6	45	12.9	42.3	
10.4		51.9	52.3	
9.0		56.4	30.8	
10.2	46	26.9	11.9	
9.6	47	7.9	24.3	
10.0		9.4	26.7	
10.0		47.9	41.1	–
8.8	48	46.4	40.0	am
9.0	50	20.9	21.8	8.5 a
9.0		34.2	2.8	8.5 Gb
9.0		53.9	19.4	a
10.4		59.9	6.5	
10.4	51	7.9	22.4	
10.2		10.4	18.1	
10.4		14.9	23.9	
8.3		41.9	51.3	8.0 Gam
10.0		55.4	12.6	
10.4	53	3.4	9.1	
10.2		34.9	18.4	
10.4	54	17.9	9.9	
9.8	55	9.9	6.9	Mm
8.5		11.4	21.8	7.8 G≥
10.4		14.0	38.6	
10.0		23.9	44.0	
10.0		27.4	49.2	
7.7		57.9	33.8	7.5 GStπ
10.0	56	14.4	50.0	
10.0		33.9	32.2	
10.2		54.9	51.2	
9.8	57	37.9	7.2	
10.2		38.0	40.1	
9.0	58	11.9	14.9	–
10.4		51.9	34.0	
9.8	59	16.4	46.6	
8.3		33.9	9.0	8.5 Gam
9.8		37.9	29.5	
6.8		48.9	30.3	4.5 GSμβ
10.0	0	4.9	35.5	
10.4		14.4	42.3	
9.1		16.9	20.0	9.0 a
9.6		28.4	36.2	
10.4		37.9	40.8	
8.8	1	32.0	17.2	9.0 G≡
9.6		57.5	15.1	
9.8		59.0	45.8	
9.8	2	10.0	16.0	
10.0		12.0	49.5	
8.8		35.0	27.2	9.5
9.0		37.0	23.6	9.5
10.2		48.0	51.1	
8.3		49.0	19.7	8.5 Ga
10.4	3	1.5	15.4	
9.6		1.5	32.8	
10.0		11.2	58.0	
10.0		26.5	51.3	
10.0		34.5	16.3	
8.4		44.5	20.2	8.0 Ga
9.8		49.5	26.3	
	+1	28.2	+5.8	

7261—7320.

mag.	21h. m	s	—25° ′	
9.4	4	8.0	28.2	10.0
9.1		24.5	47.1	
9.6		39.0	18.3	
8.8		45.0	53.4	9.0 Ga
9.8	5	9.0	9.0	
9.8		23.5	53.6	
10.4		29.0	9.5	
10.0		39.0	21.3	
8.0	6	2.0	21.4	7.8 GSac
8.4		11.5	23.2	9.0 GWa
8.6		20.5	41.4	9.5 M–m
9.4		49.0	23.0	
9.0	7	1.0	48.5	9.0 Gam
9.1		7.5	14.1	
10.4		46.0	23.0	
9.6		49.0	54.3	
10.4	8	5.5	45.2	
9.1		22.7	57.0	
10.0		23.0	4.9	
9.4		25.5	23.2	
10.4	9	0.0	26.7	
9.6		20.7	4.5	
9.9	10	15.3	48.4	–
9.0	11	17.3	33.0	9.5 M≡m
11.2		25.3	49.0	
11.2		31.8	54.6	
11.1	12	15.8	16.2	
11.2		17.8	47.0	
10.3		23.3	8.3	
11.1		57.3	44.9	
11.2	13	16.1	0.2	
8.2	14	14.3	14.2	9.0 >
8.8	15	7.3	41.6	a
11.1		8.8	54.6	
8.8		36.3	5.6	9.0 –
10.0	16	27.3	10.8	
7.4		40.3	44.2	6.5 GSlπ
9.9	17	6.8	26.4	
10.5		33.8	50.6	
11.2		52.3	34.8	
9.0	18	9.3	26.4	9.0 W
8.4		28.3	17.6	7.8 G–
8.0		33.3	46.4	7.5 GSlπ
10.8		36.3	47.9	
7.9		54.6	1.3	7.2 GSlπ
9.0	19	6.3	1.2	9.0 Wa
11.2		43.3	24.2	
9.5		52.3	6.3	
11.2	20	12.3	26.8	
11.2		24.3	26.6	
11.2		26.3	25.0	
9.2		53.3	49.7	9.0 =
9.2	21	8.3	38.3	9.0 ≡
10.5		13.3	44.6	
9.0		28.3	54.0	
11.2		39.8	49.6	
11.1	22	6.8	13.4	
9.6		18.8	20.7	9.2 =
9.9		26.3	28.8	
10.3		27.3	19.1	
	+1	27.4	+6.2	

7321—7380.

mag.	21h. m	s	–25° ′	
10.0	22	50.3	37.7	
11.2		55.3	9.5	
8.1	23	12.3	44.2	7.5 GSlπ
11.2		58.8	0.5	
10.3	24	23.3	23.3	
8.0		26.3	50.9	7.9 GSbl
7.2		37.3	57.7	7.4 GSal
10.5		43.3	49.7	
8.6		53.3	46.6	8.2 al
11.2		58.3	24.4	
11.2	25	13.2	9.7	
6.5		21.3	8.3	6.2 GSlπ
8.8		33.3	57.9	9.0 am
10.0	26	3.3	4.3	
9.0		31.8	47.3	9.0 GMam
9.5		43.8	12.7	
10.0		53.3	3.3	9.3 –
8.8	27	17.3	30.1	9.0 am
7.8	28	4.3	52.5	7.9 Gaml
10.0	29	50.3	13.5	
10.0	30	6.3	12.3	9.5
7.9		24.3	0.7	8.2 GWam
8.8		27.3	34.5	9.5 a
9.9		53.3	27.3	
10.2	31	3.8	44.2	
8.4		48.3	0.7	7.7 GSal
10.2		53.5	40.4	–
10.5	32	11.0	4.1	
8.4		43.6	47.2	8.2 aml
8.4	33	1.9	15.4	8.5 Ga
10.2		27.9	19.3	
7.7	34	36.1	40.2	6.8 GSal
8.4		50.6	13.2	8.0 Gam
9.5	35	36.1	16.3	am
9.6	36	15.6	14.0	
9.5		53.6	5.4	9.0 M–m
9.4	37	22.6	36.9	
7.7		23.1	28.8	7.2 GSal
7.6	39	4.6	23.4	7.8 Gb≥l
8.2		51.6	38.8	8.5 b≡l
8.6	41	40.4	2.6	9.0 Ga
9.6	42	22.6	25.1	
10.0		39.1	11.2	
9.4		43.1	26.1	
8.2		44.6	43.7	8.8 Gam
9.2		51.6	27.1	
9.6	43	49.6	53.9	9.0 Ga
9.0	44	29.1	38.0	–
9.6		46.1	50.6	
9.4	45	16.3	57.3	8.7 GM≥m
9.8	46	7.6	8.3	
9.8		23.6	45.5	
9.3		46.1	43.0	=
10.2		47.6	5.5	
10.4	47	30.1	44.3	
9.4	48	23.6	36.2	9.0 a
9.8		52.6	34.8	10.0
10.2		56.6	36.6	
10.0	49	25.6	47.8	
10.0		30.6	18.7	–
25pr.	+1	26.4	+6.7	

7381—7440.

mag.	21h.–22h. m	s	–25° ′	
9.6	49	37.8	57.3	
10.4		51.1	10.9	
10.2	50	11.1	7.9	
9.6		35.1	28.4	
10.2		57.1	24.6	
10.0	51	50.8	7.3	
8.9	52	1.8	57.0	8.0 Gb=l
9.0		19.3	4.5	8.5 GM=m
8.9		26.3	14.1	9.0 –
10.2		30.3	40.9	
10.6		59.3	45.7	
9.4	53	11.8	44.3	
8.8		13.3	24.3	9.5
8.8		13.6	42.2	9.5 Ga
8.9		17.1	31.7	9.0 –
10.2		32.8	13.9	
10.2		57.0	4.3	
8.6	54	7.6	36.5	8.0 Gtlπ
9.2		7.6	12.1	
8.0		36.6	27.9	8.2 Gaml
9.0		57.6	57.2	9.5 G
9.6	55	50.3	25.1	
8.8	56	44.4	17.5	
8.4		46.9	25.3	8.5 GWal
8.3		47.9	27.0	8.2 GWal
10.0	57	29.3	1.1	
9.6		30.4	21.6	9.5 G
8.2		40.9	43.3	a
10.0		56.3	31.1	
10.0	58	34.9	38.6	
9.4		46.9	14.5	
10.0	59	51.9	45.6	
8.0	0	35.9	0.1	8.2 GSbl
8.8		42.6	7.4	8.5 b=l
9.1		44.6	18.3	9.5 Wa
9.2	1	54.8	57.1	
9.6	2	46.6	50.0	10.0 G
9.2		51.1	50.1	9.5 G–
9.8	3	6.6	40.2	a
8.2		53.6	19.5	8.0 Gam
9.4		59.1	55.1	
9.6	4	3.1	21.5	
7.6		8.6	59.1	8.2 Ga
8.8		22.6	32.5	9.0 a
9.8		52.6	42.0	
10.0		58.6	27.7	
9.2	5	12.6	50.2	
9.4		19.6	46.3	
6.0	6	43.1	47.9	6.0 GStπ
8.6	7	2.6	14.5	8.5 Ga
9.6		11.1	56.2	
9.4		24.6	47.5	
9.2	8	8.6	50.7	
8.3		18.1	36.4	9.0 Ga
9.4		19.6	50.9	9.5
8.8		34.1	52.2	8.5
8.3		40.1	12.1	9.0
10.0		46.1	44.1	
8.8	9	0.1	42.3	
9.2		2.1	59.9	8.8 Gm
	+1	24.9	+7.2	

7441—7500.

mag.	22h. m	s	–25° ′	
10.0	9	23.7	1.4	
10.0		52.6	46.3	
9.2		59.1	8.2	m
9.4	12	42.6	15.9	a
10.0	13	23.7	10.5	
10.0		24.1	2.0	
8.6		48.6	44.5	9.0 am
8.8	14	16.1	45.5	9.2 G=m
7.9		56.6	59.7	7.3 GSal
8.6	15	43.3	19.2	9.5 Wam
10.0		55.6	15.0	
10.0	16	22.1	13.9	
7.0		33.6	23.6	5.8 GSlπ
8.2	18	30.5	59.1	8.7 a
9.2		43.3	21.6	a
8.2	19	14.8	4.6	9.0 Ga
9.8	22	18.8	46.3	
9.2		21.8	12.0	9.5
9.0	23	2.8	23.4	
9.0		18.8	20.4	=
10.0	24	32.8	3.1	
9.3		51.3	20.4	=
8.2	25	46.8	15.4	8.4 a
9.4	26	14.3	13.5	
9.8	27	53.0	1.0	
10.2	28	26.3	32.3	
9.5	29	3.3	36.1	
9.5		13.8	51.1	10.0
9.0		20.3	45.7	9.5 =
9.2	30	47.8	48.7	9.0 G=
9.0	31	6.3	39.0	a
9.2		6.3	35.7	
9.4	32	18.8	40.4	
10.2	33	41.8	17.9	
9.8	34	13.8	27.0	
9.5	35	57.8	7.2	
8.5	36	37.3	2.1	8.5 am
9.8		55.3	37.6	
9.6	37	16.3	47.2	
9.3		26.8	7.7	9.5 G
9.4		29.3	20.0	
10.2	38	9.8	11.2	
6.6		41.6	53.6	6.5 GSπβ
10.6	39	26.7	42.0	
10.6		46.3	10.5	
10.3	40	40.8	13.0	
10.6	41	3.8	34.0	
9.6		58.3	47.6	
10.6	42	9.9	40.8	
7.8		11.8	34.8	7.8 Gaml
10.6	45	25.8	45.3	
9.0		43.3	13.6	8.8 a
9.0		49.3	45.5	–
8.1	46	3.3	52.2	al
7.6		18.3	48.7	Gal
7.4	47	31.3	38.7	7.2 GSal
8.8		41.1	59.3	8.2 G–
10.4	48	37.3	48.0	
10.6	49	24.3	37.4	
10.0		46.3	22.2	
	+1	22.8	+7.7	

7501—7560.

mag.	22h.–23h. m	s	–25° ′	
9.5	51	18.3	40.0	
9.6		51.8	20.8	
9.6		55.8	49.0	–
6.7	53	19.3	49.8	6.5 GSlπ
8.8		21.3	12.8	–
8.6		23.8	43.6	8.8 a
8.0		57.3	39.6	8.2 Gal
8.6	54	8.3	19.9	am
10.6		15.8	14.0	
10.6		19.8	59.2	
9.0		36.3	18.7	
8.4		40.3	44.7	8.8 al
8.2	55	27.3	46.0	8.2 al
10.4	56	17.3	51.1	
9.6	57	0.8	34.7	
8.6		11.8	42.4	a
9.4		25.3	5.3	
7.6	58	32.8	1.6	6.9 GSal
10.4		53.3	50.0	–
9.8	59	10.8	40.4	
10.6		47.3	27.9	
10.4	0	8.8	2.8	
10.6		32.3	34.9	
10.6	1	33.3	24.9	
9.0	2	45.1	43.7	
9.6	3	20.1	24.1	
9.3		56.1	34.9	
9.6	4	8.5	58.7	
9.2		12.6	24.2	9.0 G–
8.7	8	14.1	53.8	9.2 Ga
7.4		39.1	31.9	7.4 GWal
9.3	9	54.6	4.5	
8.1		56.6	16.7	8.4 b
9.6		59.1	36.9	
8.9	11	19.1	18.3	9.0 a
9.1		22.6	21.0	9.0 a
8.2		44.6	41.0	8.2 Gal
9.6		55.1	18.7	
8.7	12	59.1	51.6	9.0 Ga
9.2	13	12.2	11.0	
9.4		43.2	23.8	–
9.1		51.7	54.4	
8.2	14	6.7	50.2	9.4 a
7.6		26.2	56.2	8.1 Gal
8.0		44.7	33.4	8.6 GWa
9.6	16	33.2	25.6	
8.0		36.2	17.9	7.9 GWal
9.6	17	0.3	3.7	
9.4		40.3	54.7	=
8.5	20	55.7	9.6	8.5 Ga
9.6	21	16.7	15.0	
9.4		34.2	11.2	
8.9	22	24.4	2.2	
9.6	24	3.0	25.6	
9.2		32.3	4.9	
9.6		48.8	22.0	
8.6	25	5.0	14.7	9.0 a
9.9		12.7	42.2	
10.0		16.8	44.7	
9.8		43.3	32.1	9.0
	+1	20.3	+8.1	

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7561—7574.

mag.	23h. m	s	—25° ′	
9·2	25	53·3	37·2	9·0
10·0	26	53·3	19·7	
9·8		56·3	11·7	9·0 Ga
7·9	27	25·3	33·0	7·4 GSal
8·6		32·3	47·1	9·0 —
9·2		47·8	6·7	
9·6	28	20·3	38·8	9·5
9·6	30	3·3	44·2	G
7·8		7·3	55·9	7·6 GSlπ
7·4	31	18·3	34·0	7·4 GSbl
8·4		36·3	54·8	8·9 Ga
9·3		54·3	6·8	
9·6	32	37·3	40·1	
9·6		49·3	13·8	
25pr.	+ 1	19·0	+ 8·3	

7575—7588.

mag.	23h. m	s	—25° ′	
10·0	33	3·3	54·0	—
8·2	34	32·7	49·7	9·1 Ga
9·9		33·2	16·0	
10·0	35	32·2	11·2	
10·0		49·2	10·5	
9·6	36	26·2	59·4	a
9·3		49·7	13·9	
8·2	37	27·2	27·4	8·4 Ga
9·1	38	20·2	20·8	
9·4	39	6·2	10·4	
10·0	40	50·7	3·2	
8·6		56·2	10·4	9·2 Ga
9·4	41	59·2	38·4	
10·0	42	19·2	48·5	
	+ 1	18·4	+ 8·3	

7589—7602.

mag.	23h. m	s	—25° ′	
9·4	42	27·2	50·4	∸
9·6	43	42·2	43·6	a
10·0	44	35·9	58·4	
9·9		39·2	32·4	
9·8		44·2	51·6	a
7·6	46	13·0	40·9	6·9 GSbl
9·7		26·5	49·9	a
8·6	49	28·0	4·7	8·4 G—
9·0		40·0	59·7	a
6·9	50	2·5	26·0	6·5 GSbl
9·0		26·5	7·3	9·0 a
10·0	51	15·5	19·1	
10·0	53	9·0	11·9	
9·4		15·5	21·5	
	+ 1	17·7	+ 8·3	

7603—7616.

mag.	23h. m	s	—25° ′	
8·0	53	18·5	20·3	7·4 GSbl
10·0		39·5	13·3	
9·2		49·5	38·9	
9·2	54	5·6	24·2	—
9·8		36·1	24·6	
10·0	55	58·1	33·7	
9·8	56	14·6	48·9	
10·0		23·1	38·4	
9·0		41·6	57·4	8·5 a
7·9		45·6	17·1	8·1 GSal
9·4	57	8·6	27·9	a
10·0		35·1	39·6	
9·8	59	3·1	28·3	
9·0		51·6	11·9	8·6 a
	+ 1	17·1	+ 8·4	

ZONE — 26°.

1—30.

mag.	0h. m	s	—26° ′	
10·0	0	9·9	11·0	
9·8		39·9	17·8	9·0 a
7·2		58·9	2·9	7·1 GSal
10·0	2	6·9	46·8	
9·2		6·9	40·4	8·5 Ga
9·6		29·9	14·7	
9·0		32·9	55·2	9·0 =
9·0		34·9	29·6	a
7·2	3	36·9	34·2	7·7 GSal
8·6	5	8·0	56·8	9·0 a
9·8		31·9	54·0	
9·7	7	11·4	47·2	9·5
9·8		11·9	23·5	
7·2		20·9	42·8	6·0 GSal
7·3		24·6	58·9	6·5 GSbl
9·8		50·9	47·6	
8·6	8	19·5	34·8	=
9·9	9	43·5	21·1	
8·2	11	37·5	36·6	8·5 Gb
9·8	12	39·7	59·4	
9·8	13	55·0	37·8	
9·1	14	23·0	59·6	8·8 Ga
8·6		26·0	9·6	8·2 G=
8·8		48·5	57·4	9·3 Ga
9·9		53·9	30·0	
9·9	15	3·9	15·8	
9·8	19	15·0	2·3	
9·4	20	0·5	58·5	
9·5		39·5	29·7	
9·2		49·5	23·4	
25pr.	+ 1	16·2	+ 8·4	

31—60.

mag.	0h. m	s	—26° ′	
7·0	20	59·0	14·3	6·5 GSal
9·9	24	6·5	46·0	
9·8		47·0	52·1	
9·8	25	15·0	56·0	9·5
9·2		19·5	42·8	a
9·0		39·5	24·0	=
7·4	26	25·2	3·0	7·0 GSal
9·4		50·5	28·0	—
8·1	27	23·0	46·9	7·2 GSbl
9·8	28	42·0	41·2	a
8·0		49·5	48·9	7·6 GSal
7·6	29	19·5	5·3	8·3 Gal
9·4	30	15·0	21·8	
9·8		54·2	50·0	
8·1	31	18·7	26·2	8·5 G≡
8·2		27·2	14·8	8·2 Ga
9·9		33·7	26·5	
9·9		49·7	50·4	
9·8		53·2	0·9	
8·4	32	38·9	17·3	8·5 Ga
7·6		41·2	16·9	8·0 Ga
10·2		44·9	7·0	
8·4	33	13·5	40·5	9·0 Ga
10·2		43·7	40·7	9·0 —
8·8		58·7	44·1	8·2 Gal
10·0	34	48·7	45·1	
10·2	35	13·7	25·7	
10·2	36	2·7	6·2	
9·2		22·2	52·4	
10·2		29·7	35·2	
	+ 1	14·5	+ 8·3	

61—90.

mag.	0h. m	s	—26° ′	
8·6	37	15·0	36·4	9·0 =
9·2	38	19·0	12·5	
10·2	39	45·0	36·1	
9·0		52·5	3·9	8·8 =
8·4	40	6·0	13·2	9·0 —
9·0	41	11·0	3·9	9·0 Ga
8·8		26·5	4·7	8·8 Ga
9·8	42	56·0	53·7	b
9·6	43	13·5	7·3	a
10·2	44	29·2	43·0	
9·0	49	8·5	17·0	—
9·0		37·2	39·4	Ga
9·0	50	13·2	13·8	8·2 G=
7·1		43·2	2·5	7·7 GSal
9·2	51	39·2	54·0	a
8·2	52	7·7	33·0	7·5 Gal
10·2		59·7	37·2	
8·0	53	46·2	32·2	8·5 Gb—
9·8		47·5	15·9	
10·0	54	10·2	17·3	
7·4		29·2	25·3	7·8 GWal
8·4		34·7	57·5	8·5 Gal
10·4		53·2	7·7	
9·4	55	6·2	26·1	
10·0		16·6	17·4	
8·8		45·2	33·5	10·0 —
10·4	56	43·7	35·7	
10·4		55·6	24·2	
8·4	57	12·7	50·9	8·2 Gal
10·4		14·7	39·5	
	+ 1	13·1	+ 8·1	

91—120.

mag.	0h—1h. m	s	—26° ′	
9·8	58	21·7	15·9	10·0 —
10·4	59	0·7	7·9	
8·6		46·4	58·6	8·8 Ga
8·8		50·1	9·2	9·5 Ga
9·8	2	30·1	53·7	
8·6		44·6	31·8	8·5 ≥
10·4		51·1	10·0	
8·8	3	0·6	12·2	8·5 Ga
9·2		58·6	6·1	—
7·9	4	3·1	51·6	7·7 GSbl
9·2	5	7·5	3·2	—
10·4		25·6	1·1	
9·0		42·6	37·6	10·0
8·6	6	12·1	58·4	8·5 Gal
9·8	7	34·1	23·4	
10·2		55·1	27·1	
10·4	8	5·6	24·1	
10·4		24·6	16·5	
10·4		50·6	29·6	
10·4	9	4·6	33·3	
10·2		29·6	28·6	
8·8	10	40·6	20·1	8·2 a
8·6	12	39·6	33·6	9·0 a
10·2		39·6	28·5	
9·4		46·1	50·0	
10·4	13	22·6	1·9	
10·4		30·6	43·3	
9·6		30·6	19·2	—
10·4		36·6	35·8	
10·4		40·6	3·1	
	+ 1	11·9	+ 8·0	

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121—180.

mag.	1h. m	s	—26° ′	
10·4	13	54·6	15·3	
9·8	15	31·1	40·0	
10·4	16	46·6	4·8	
9·4	17	46·1	50·9	9·0 a
10·2		56·1	3·7	
9·4	18	54·4	54·9	9·5 –
9·2	20	14·4	56·9	
9·8		17·9	56·8	
8·8	21	32·9	34·9	9·0 G–
9·0	22	49·4	24·2	9·0 G≡
7·4	23	48·9	15·8	6·5 GStβ
7·4	24	29·4	51·2	6·2 GSlπ
8·8		35·9	2·2	9·3 a
9·4		59·4	55·6	9·5
10·0	25	33·4	7·1	–
9·0		52·4	10·1	9·0 a
9·6		53·9	38·5	
10·2	26	29·1	36·5	
8·4	27	22·6	18·5	8·2 Ga
10·2	28	41·6	50·5	
9·2	29	36·1	4·5	–
8·8	30	19·1	33·7	9·2 –
10·2		20·1	30·3	
10·0		23·6	44·6	
10·2		40·1	0·6	
9·4	31	7·1	49·9	9·2 G=
9·4		8·1	16·4	9·0 –
10·2		25·6	32·3	
10·2		28·6	52·7	
8·6		49·1	12·3	8·5 a
9·8		58·1	3·5	–
9·6	32	2·1	0·1	
9·8		49·1	35·5	
10·2	33	4·1	48·2	
10·2	34	4·6	2·7	
9·4	35	29·1	44·4	9·2 =
10·2	37	34·1	13·8	
10·2		49·1	29·5	
10·2		54·1	22·1	
9·6	39	18·9	28·7	8·8 =
9·0		26·8	59·3	9·2 Wa
8·7		57·2	56·1	8·3 GWa
8·9		59·2	52·9	9·2 W
9·0	41	20·7	19·1	9·0 Ga
9·2	42	28·2	13·5	9·0 Ga
9·0		30·7	43·5	–
7·0		49·2	52·6	7·4 GSlπ
8·2	43	4·2	46·4	8·5 Gal
8·5		14·2	39·2	8·5 Gal
9·2		56·5	20·0	
9·3	44	7·5	4·0	=
9·3	46	39·0	20·0	
8·7	47	4·5	26·6	8·5 GWa
10·2		29·5	15·1	
9·6	48	34·5	14·0	
8·9		41·0	57·7	9·0 a
10·0	50	18·5	3·2	a
9·8		31·5	6·0	
8·2	51	14·5	13·9	7·8 GSbl
8·9		35·0	49·6	9·0 G=
25pr.	+ 1	10·3	+ 7·7	

181—240.

mag.	1h.–2h. m	s	—26° ′	
9·0	51	47·0	7·1	8·8 b=l
10·2	52	51·5	34·1	
9·0	53	14·5	28·8	=
9·4	54	8·0	38·4	
9·7		24·1	45·2	9·0
8·6		44·6	49·9	9·0 GSa
9·2		59·6	47·3	9·2 Ga
8·6	55	49·6	14·3	8·5 Wa
9·0	56	18·6	3·0	9·2 a
10·2		39·6	2·5	
9·4		47·1	8·3	
10·2	58	26·6	58·6	
9·4	59	38·9	1·0	
9·4	0	0·7	38·7	
9·2	1	21·2	39·7	8·2 Ga
9·7		48·0	53·5	
9·2	2	55·7	53·6	–
8·5		58·7	20·1	9·0 a
8·2	3	40·3	52·6	8·5 =
8·1	5	18·3	2·8	8·3 Gb–l
10·0		55·7	58·3	8·5 –
8·6	6	15·3	53·8	8·5
9·8		22·3	16·3	
8·0		55·3	54·6	8·0 b–l
8·7	7	13·8	23·4	9·2 –
10·0		35·8	54·5	
9·8		50·5	21·1	
9·2		52·3	21·0	
8·6	9	40·4	29·9	8·5 a
8·6	10	20·4	6·3	8·5 G–
9·4		30·4	44·9	
10·0	12	0·4	52·3	
9·7		20·4	7·9	
7·2	13	21·9	32·1	6·5 GSlπ
9·2	16	40·4	10·2	a
8·6		55·4	8·5	8·7 Ga
7·6	18	43·4	24·9	6·5 GSal
10·0	19	39·9	1·3	
9·0		45·4	28·3	8·8 Ga
9·4	20	14·9	52·6	a
10·0		40·5	23·8	
10·0		50·4	31·1	
9·4	22	3·9	12·0	
9·2		32·4	14·1	
8·0		40·9	59·6	8·0 GSal
10·0		42·4	41·5	
9·8		52·4	30·4	
9·8	23	43·4	45·2	
8·5	24	17·2	39·7	9·0 Ga
8·8	27	16·6	18·2	a
8·3		43·6	50·5	7·8 Gbl
9·0		47·6	46·9	9·0 G
9·6		54·6	4·4	
8·8	28	1·1	7·8	9·0 a
9·1		56·9	40·7	
9·6	30	15·9	7·2	
9·6		34·9	11·7	9·5
9·6	31	3·9	5·1	
9·6		12·4	6·0	
8·8		13·4	14·7	9·5 –
	+ 1	7·8	+ 7·0	

241—300.

mag.	2h. m	s	—26° ′	
8·0	33	21·4	17·0	7·2 GSal
8·4		36·4	51·1	8·5 Ga
8·0		52·4	6·6	7·7 GSal
9·6	34	17·9	50·4	
9·6		22·4	51·6	9·0 –
9·6		29·4	2·4	9·0
9·6	36	17·9	44·0	a
9·4		43·9	40·5	
9·0		52·4	25·4	8·0 Ga
9·4		53·4	16·0	9·0
9·4	37	26·9	39·0	8·2 Ga
8·8		39·9	28·3	8·8 Ga
9·2		45·9	10·0	
9·4	38	20·3	0·6	
7·2		40·9	1·7	7·3 GStl
9·0		58·9	4·8	a
8·5	39	13·0	44·0	9·0 G–
9·0		29·5	40·9	9·2 G
9·6	40	44·0	43·6	
8·5		45·5	41·8	8·2 Ga
9·1	41	7·0	36·8	9·0
9·6	42	2·0	3·9	
9·4		10·5	52·3	
8·0		28·5	36·9	7·5 Ga
8·8	43	6·4	58·1	9·2 G
9·6	44	0·5	12·9	
9·6		22·5	16·0	
8·6		42·0	33·5	9·5 –
9·1		47·0	2·4	
9·6	45	19·0	31·8	
9·6	46	11·5	11·9	
8·8	47	5·3	49·1	9·5 G–
8·0	48	13·2	40·1	8·0 Ga
9·8		35·0	23·8	
8·9	49	16·5	5·8	9·0 Gb
9·0		35·5	38·3	
9·8		37·5	40·8	
9·7		44·5	26·9	
8·2		56·5	26·5	7·5 GSa
8·4	50	0·0	38·6	7·5 GSa
8·9		16·5	12·9	9·0 a
7·0		40·0	42·4	7·2 GSb
8·4		55·0	35·9	7·8 GSa
9·8		56·1	16·9	
9·4	51	23·2	56·5	
9·8	52	5·0	46·2	
8·6		15·0	3·9	8·5 a
9·8		38·0	49·4	
8·4		39·0	23·6	8·0 Ga
9·2		45·5	31·8	
9·2	53	5·0	54·0	
8·5		55·0	39·2	7·8 Ga
9·2	54	30·0	25·2	
9·2		50·0	17·4	
9·2	55	44·1	57·4	
9·7	56	14·0	8·3	
9·4	57	25·0	17·9	
9·0		25·0	43·5	
9·2	58	11·7	13·1	
9·8		29·7	12·1	
	+ 1	5·7	+ 6·3	

301—360.

mag.	2h.–3h. m	s	—26° ′	
9·2	58	51·7	30·3	
8·0	59	17·7	16·0	7·5 GW=
9·8		23·7	12·3	
9·8	0	16·2	14·4	
9·6		24·7	6·1	
9·0	1	23·0	1·1	
8·2		23·2	26·1	8·5 –
8·9		37·7	31·4	9·0
9·0		45·7	53·7	
8·6		49·7	57·8	9·0 a
8·9		54·2	55·8	9·0 a
8·2		54·7	2·2	8·8 Ga
9·2	2	9·7	18·9	
8·8		10·2	27·2	
9·2		31·7	16·9	
9·4	3	7·2	13·2	
8·8		14·7	55·5	8·2 Gb
8·8		26·2	50·1	9·0 Ga
9·4		41·2	40·6	
9·7	4	9·2	36·1	
9·4		12·2	5·4	
9·0		16·2	43·9	8·5 a
9·8	5	9·7	8·9	
8·9		10·0	2·7	
8·8		17·2	12·0	a
9·0	6	0·7	11·2	
8·4		2·8	0·6	8·5 Ga
9·6		23·2	14·4	
9·6		44·2	53·0	
9·8	7	8·2	42·3	
8·8		8·7	22·0	
9·8		9·7	43·9	
8·0		32·5	43·8	7·8 G–
8·8		44·0	30·3	–
9·8		51·0	18·7	
9·8	8	13·5	51·9	
9·5		28·5	35·5	
9·2		29·5	4·9	
9·2		44·2	14·7	
9·7	9	15·0	5·0	
9·0		20·5	55·0	8·8 a
9·5		28·5	7·7	
6·4		38·2	33·9	6·5 GStπ
9·0	10	28·8	51·3	8·5 a
9·0		29·1	57·9	8·8 a
9·6		29·1	31·1	
8·6	11	8·8	58·2	8·2 Ga
9·6		41·8	15·4	
7·4	12	28·8	48·6	7·2 GSa
9·6	13	34·8	13·3	
7·9	14	14·3	2·1	8·0 Ga
9·6		23·8	7·1	
9·6		40·3	58·1	
9·6		51·8	11·8	
6·8	15	23·8	44·5	7·0 GSct
8·6		42·9	37·3	8·0 a
9·6		44·7	59·1	
9·4	16	32·9	43·5	8·5 Ga
6·4		54·6	2·4	6·3 GSct
9·0	17	25·9	11·9	
	+ 1	4·6	+ 5·7	

361—420.

mag.	3h. m	s	—26° ′	
9·6	17	30·5	6·2	
8·0		49·4	34·0	8·0 Ga
9·6	18	0·5	8·7	
7·9		37·4	39·6	8·0 Ga
7·8		39·4	39·6	8·0 Ga
7·6		42·9	28·8	7·8 G–
9·4		46·9	19·6	
8·4	19	19·9	35·7	8·2 a
8·2		29·4	11·6	8·3 Ga
8·4		58·4	24·2	7·8 Ga
8·8	20	31·9	45·7	9·0 Ga
9·0	21	23·4	31·2	
9·2		40·9	22·6	
8·6		58·2	57·9	a
8·2		59·4	41·7	8·5 Ga
9·0	22	27·7	3·2	
9·6		29·7	51·1	
8·8		42·7	7·5	
8·2	23	6·2	46·6	a
8·2		9·7	7·9	8·5 –
9·6		30·2	52·0	
9·3		33·7	30·5	
8·6	24	49·7	45·2	8·5 Ga
8·4	25	39·7	3·9	9·0 Ga
8·8	26	9·7	11·1	8·8 G
9·6		20·7	6·2	
6·2		32·7	2·4	6·5 GSa
8·6	27	6·2	5·0	8·0 GWa
9·4		55·2	17·6	
9·0		59·7	29·9	–
9·6	28	21·8	47·6	
9·6		27·8	22·7	
9·6		30·8	44·3	
7·4	29	31·8	0·2	6·5 GSa
8·6	30	7·8	26·9	9·0 G
8·2		14·3	50·8	8·2 G–
9·4		58·8	50·9	
9·6	31	14·8	35·3	
9·6	33	4·4	46·5	
8·6		29·0	1·0	8·0 –
8·9	34	39·5	37·7	–
9·2		43·5	47·8	
9·1		44·9	0·1	
9·2		49·0	3·1	
9·8		56·5	7·4	
9·6	37	12·5	39·9	
8·4		49·0	22·3	8·2 Gb–l
9·1		50·5	10·0	9·0 G
9·4	38	1·5	25·1	
8·9		7·5	45·0	–
9·1		10·5	59·8	9·5
9·8		46·5	55·9	
9·7	39	46·5	7·8	9·0
9·2		56·5	38·1	
9·7	40	6·5	0·5	
7·0		16·5	18·4	6·8 GSbl
9·8		23·5	45·4	
9·2		23·5	0·7	9·2 a
7·3	42	44·5	42·8	7·0 GSbl
8 8	43	39·0	26·6	9·0
25pr.	+ 1	3·7	+ 5·1	

421—480.

mag.	3h.–4h. m	s	—26° ′	
7·4	43	44·5	24·8	7·0 GSbl
8·6	44	7·0	39·8	9·0
8·6		57·0	9·0	8·5 G
8·8	45	21·6	58·9	8·6 a
8·8	46	6·5	18·9	9·0 a
9·6		34·5	11·4	
8·6	47	11·0	18·3	8·8 Ga
8·5		46·5	19·8	9·0 a
8·5	48	25·9	11·8	9·0 Ga
8·8	49	34·4	57·9	8·8 a
9·8		42·0	13·4	
9·0	50	0·9	34·5	G
8·4		8·9	54·7	8·3 Ga
8·0		20·9	17·7	7·5 GSa
7·8		22·9	34·8	7·5 GWb
8·0		32·9	18·6	8·5 GWa
9·1		33·9	22·0	9·0
9·6		59·9	47·2	
9·8	51	6·2	2·4	
9·1		14·4	16·4	b
9·0		43·4	42·8	
9·4		47·9	32·5	
9·6		51·6	59·3	
8·8	52	15·9	6·0	9·0 Ga
8·9		17·9	20·9	9·0
9·4		40·9	18·0	
9·6		42·0	34·7	
8·4	53	7·4	28·0	8·5 ≡
10·2	54	4·8	58·6	
10·1		8·8	29·5	
8·3		15·3	16·0	8·5 –
9·6		48·8	12·1	
9·8	56	6·8	7·8	
7·3		8·8	52·1	7·5 GSal
9·8		9·8	56·0	
10·1		26·8	37·5	
10·2		55·3	5·9	
8·7	57	20·8	58·8	8·8 Ga
10·2		24·8	24·8	
9·4		32·3	26·3	–
9·5		35·1	52·5	
10·1		50·6	23·4	
8·5	58	8·1	21·7	9·0 G–
8·3		20·1	49·5	8·8 GWa
8·0		20·6	11·6	7·2 GSbl
9·8		21·1	47·2	
10·2		51·1	51·0	
9·6	59	18·1	26·4	G
9·8		51·1	27·9	
10·2		51·1	18·0	
8·6	0	9·1	8·9	9·0
9·6		29·1	34·2	
8·8		43·1	59·8	9·0 Ga
8·7		52·1	6·0	9·0
10·0	1	11·6	23·1	
9·5		24·1	25·1	
9·6		31·1	14·7	
10·2		48·1	30·3	
10·2		50·1	36·5	
9·6	2	7·6	47·8	
	+ 1	2·6	+ 4·4	

481—540.

mag.	4h. m	s	—26° ′	
9·4	2	10·1	2·6	9·0 G
8·4		12·1	38·1	8·5
10·2		15·6	37·0	
9·2		53·1	54·0	
10·2	3	14·1	36·6	
9·4		18·1	38·8	
9·8		51·6	8·9	
9·5		52·6	30·0	
8·4	4	20·1	21·0	7·5 G
10·0		35·1	7·5	
10·1		37·1	20·9	
9·0	5	11·1	6·0	
9·5		15·1	22·1	
8·6		18·1	22·7	8·0
8·4		24·6	56·1	7·8 GW–
9·2		32·6	55·3	9·0 G
10·2		57·1	4·9	
10·1	6	10·1	55·2	
8·7		47·4	26·7	9·0 G
10·2	7	39·5	21·5	
8·2		52·4	45·4	8·5 Ga
10·2		57·4	20·2	
10·2	9	10·4	35·8	
10·1		14·9	37·7	
9·6		45·4	38·1	
9·6	11	36·4	35·4	
9·4	12	42·4	17·3	
9·8		45·9	4·0	
9·6	13	11·4	50·2	
9·8		13·9	15·7	
8·0	14	23·7	15·6	8·2 G
10·2		43·7	48·3	
9·6		55·7	14·6	
9·8	15	11·2	11·0	
9·8		27·2	27·9	
9·8		42·2	51·7	
8·6		47·7	47·3	8·8 a
10·2		52·7	23·6	
9·1		54·2	47·4	9·2
6·6	16	20·7	1·5	6·2 GSlπ
8·4		22·3	0·9	8·3 GWal
10·1		45·2	32·8	
10·0		45·9	22·1	
8·8	17	13·4	12·2	9·0 a
10·0		41·4	54·9	
10·0		45·4	18·9	
9·4	18	12·4	20·0	
9·8		26·9	52·2	
9·2		29·9	14·6	G
9·7	19	40·4	56·1	
8·6		45·4	45·3	9·0 Ga
10·0	20	0·4	4·3	
8·3	21	13·4	33·9	8·5 Ga
10·0		19·4	49·7	
10·0		32·4	35·6	
9·7		34·4	44·3	
10·0		40·9	25·5	
9·2		49·4	46·4	9·5 a
9·4	22	40·4	25·3	
8·8		54·4	16·3	9·0 =
	+ 1	1·9	+ 3·7	

541—600.

mag.	4h. m	s	—26° ′	
7·8	23	5·4	56·7	8·0 Ga
8·2		29·9	34·2	8·5 GS–
10·0		45·4	56·2	
9·5		49·9	26·3	
10·0		50·4	29·0	
8·0	24	24·4	33·0	7·0 GSal
9·4		56·4	47·5	
10·0	25	5·9	17·7	
10·0		17·9	17·9	
9·4		24·9	46·1	
8·6		45·4	1·6	8·5 Ga
8·1		55·4	16·5	8·5 Ga
9·6	26	12·6	0·7	
9·8		22·4	34·6	
9·2	27	3·6	18·2	
8·8		32·1	26·4	9·5
10·0		36·9	1·4	
9·8		50·6	3·7	
10·0		51·1	55·2	
8·6		55·1	29·8	9·0 Ga
10·0	28	4·1	12·8	
9·0		39·6	32·4	9·0 a
10·0		40·6	53·2	
10·0		43·1	53·7	
9·0		56·7	2·6	
10·0	29	4·1	51·2	
9·4		4·6	13·3	
10·0		10·1	10·8	
10·0		24·1	49·0	
8·6		54·1	13·9	8·5 Ga
9·6	30	27·1	31·4	
9·2		48·6	19·0	
9·4		55·6	51·4	
9·6		55·6	1·0	
10·0	31	4·3	58·8	
9·2		15·1	18·4	
8·8		15·6	49·1	8·8 GW–
8·3		33·6	41·1	8·5 –
10·0		36·7	49·6	
9·5		40·6	34·4	
10·0		49·1	9·4	
8·8		51·6	32·7	9·0 G
9·7		51·6	6·0	
9·4		56·6	30·4	G
10·0	32	12·6	1·1	
8·5	33	16·6	27·4	9·0 =
9·2		32·6	46·4	
10·0		51·0	20·1	
9·9	34	15·0	58·1	
10·0		15·4	7·8	
10·0		18·0	6·3	
10·0		45·5	20·3	
9·0		50·0	57·1	
9·4		59·5	21·4	
8·8	35	27·0	19·3	9·0
8·1		30·0	1·1	8·5 GW=
10·0	36	5·0	39·9	
8·8		30·5	49·5	a
8·6		45·5	40·4	8·5 a
9·4		56·5	10·3	
	+ 1	1·4	+ 3·2	

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601—660.

mag.	4h. m s	−26° ′	
9·7	37 3·5	17·9	
10·0	11·0	2·7	
9·4	18·5	34·1	
9·1	30·0	52·9	a
9·4	40·0	49·8	
9·5	50·0	46·9	
8·6	52·5	29·3	8·8 a
9·4	55·5	42·7	
9·9	38 10·0	8·7	
10·0	15·0	43·8	
10·0	40·0	3·1	
8·1	55·0	9·2	8·3 Gal
9·7	39 5·0	38·9	
9·4	26·5	45·1	
9·9	30·0	14·9	
8·2	40·0	56·3	8·5 Ga
9·9	45·5	43·1	
10·0	57·2	1·9	
9·0	40 4·2	49·6	a
9·7	4·7	37·2	
8·8	12·2	16·2	8·5 Ga
9·6	18·2	52·3	
9·4	41 4·7	39·9	a
10·2	12·2	1·3	
10·1	26·7	0·1	
10·1	35·7	44·7	
9·0	36·9	58·9	9·0 a
10·2	40·7	8·9	
7·9	43·7	31·7	8·2 GWal
8·6	42 21·4	59·9	8·8 Ga
9·0	34·7	26·3	a
9·6	44·7	48·8	
10·0	48·1	0·8	
10·2	43 57·1	1·1	
9·1	58·2	50·2	a
8·8	45 4·2	5·9	9·0 Ga
9·0	6·7	20·8	9·0
9·0	22·2	14·6	9·0 a
9·7	37·7	8·0	
8·4	47·9	20·4	8·0 Gal
9·7	46 7·4	15·1	
8·6	11·7	2·8	9·2 Ga
10·1	27·4	33·3	
9·8	56·4	18·4	
9·8	47 17·9	5·3	
10·2	24·9	54·7	
8·8	28·9	12·1	8·5
10·2	36·9	27·9	
9·4	44·9	59·9	9·5
8·8	48 31·9	17·2	8·0 G=
9·0	44·9	38·0	9·0 G–
9·7	45·9	38·2	G
9·8	49 14·4	18·4	
9·6	19·4	9·9	
8·8	29·9	56·0	8·2 GWa
9·6	42·4	25·3	
9·4	50 0·9	51·2	
9·9	12·4	43·7	
9·2	17·4	25·1	a
9·7	28·4	39·1	
25pr.	+1 1·1	+2·8	

661—720.

mag.	4h.–5h. m s	−26° ′	
9·9	51 14·9	4·9	
9·6	31·6	2·0	
9·6	46·4	16·6	
9·8	49·9	35·7	
8·8	51·9	52·2	8·8 a
10·0	52 9·7	1·7	
10·2	31·4	24·8	
9·6	44·9	32·7	
9·9	52·9	52·0	
9·1	53 7·4	34·0	Ga
9·6	17·4	8·7	9·5 a
9·9	54 2·4	12·6	
10·1	32·9	18·4	
9·4	36·9	3·3	9·0 a
10·0	54·9	38·3	
9·8	55 4·9	24·1	
10·2	14·9	38·4	
9·4	19·9	30·6	
9·9	27·3	50·0	
8·8	56 16·3	56·7	9·0 a
9·6	18·8	14·7	
9·0	27·3	8·0	9·0 a
9·6	44·3	27·8	
9·4	57 2·3	8·5	
6·6	4·8	27·3	5·2 GSlπ
8·6	39·8	48·8	8·8 Ga
9·7	45·8	33·6	
10·1	58 0·7	39·2	
9·1	5·3	55·2	9·5 a
9·8	19·8	55·0	
9·6	35·8	20·6	
10·0	42·8	2·1	
8·4	49·3	4·1	7·8 Gal
9·0	59 19·8	12·7	9·0 a
10·0	57·8	3·8	
9·4	59·8	35·3	
7·2	0 11·8	19·2	6·0 GSlπ
9·7	11·8	10·3	
8·9	23·3	17·6	9·0 a
9·8	29·3	20·4	
9·3	54·3	32·7	
9·7	1 5·3	16·1	
8·3	6·3	39·5	8·2 Wal
9·4	14·6	22·9	a
10·0	21·3	13·0	
10·1	26·3	9·2	
10·0	42·3	44·0	
10·1	2 4·5	25·3	
9·8	9·5	0·5	
10·1	19·8	21·7	
9·0	31·5	57·4	9·0 Ga
10·1	57·3	16·1	
8·1	59·3	57·7	8·0 GSa
8·4	3 17·8	54·2	8·8 Ga
9·6	34·3	24·6	
10·0	38·8	8·5	
9·4	4 14·3	12·6	
9·8	5 9·8	14·7	
7·8	39·3	4·2	6·5 GSbl
10·1	59·3	11·2	
	+1 0·7	+2·2	

721—780.

mag.	5h. m s	−26° ′	
10·0	6 8·3	21·9	
8·4	8·8	51·3	8·5
9·3	16·8	31·9	
10·1	17·3	23·3	
9·4	47·3	43·9	
10·1	48·3	57·3	
10·0	54·3	48·8	
9·5	56·1	14·8	
8·2	59·6	48·0	9·0
8·6	7 2·6	44·6	8·5
9·4	14·6	53·2	
8·2	19·6	42·0	8·0 –
8·8	34·1	15·4	9·0 G–
9·8	46·1	4·2	
9·8	49·6	36·6	
9·0	8 2·6	9·7	8·5 =
10·1	6·6	13·0	
9·6	9·6	13·0	
10·1	17·3	59·4	
8·8	29·6	20·0	
9·6	38·6	19·3	
9·4	52·6	23·0	
8·8	57·6	29·4	
8·6	9 0·6	32·0	9·0
10·0	3·1	46·0	
9·3	7·6	48·2	
10·0	9·6	46·6	
8·2	19·6	56·4	7·5 Ga
8·0	26·6	21·0	7·0 GSal
10·1	53·1	56·9	
10·0	10 25·6	49·2	
10·1	29·6	59·6	
9·6	30·1	25·1	
8·5	36·6	34·9	8·5 a
9·1	39·6	37·2	
8·5	41·1	25·4	
9·0	41·6	22·2	a
10·1	47·6	35·0	
9·6	11 2·6	15·6	
10·1	3·6	37·8	
9·4	7·6	3·3	10·0
9·4	26·1	22·3	a
9·5	28·6	29·2	
9·6	33·6	8·4	
8·6	39·6	28·4	8·8 a
9·4	41·6	39·6	
9·8	51·2	2·8	
10·0	54·2	34·2	
9·6	12 0·2	20·2	
10·1	3·2	9·4	
9·0	38·2	46·2	
9·6	54·2	6·6	
10·0	59·7	22·5	
9·6	13 0·2	4·2	
10·0	18·2	16·8	
9·2	18·7	44·8	9·0 a
9·6	20·2	37·6	
9·1	22·2	26·9	
9·0	47·2	34·4	a
9·6	47·2	28·2	
	+1 0·5	+1·8	

781—840.

mag.	5h. m s	−26° ′	
9·5	13 50·2	23·4	
9·4	14 2·2	33·8	
9·8	2·7	51·8	
9·8	16·2	57·1	
10·0	27·2	16·4	
9·8	34·7	27·1	
8·8	36·7	8·2	9·0 a
7·0	41·7	3·7	7·3 GSa
10·0	47·7	53·2	
8·0	15 21·2	41·7	8·8 G–
9·8	31·7	30·5	
9·8	35·2	19·6	
9·6	41·2	31·1	
10·1	16 4·2	43·2	
9·6	5·2	35·0	
10·1	7·2	28·2	
9·1	15·2	14·4	
9·6	20·2	37·2	
10·0	43·4	58·2	
9·5	46·2	15·8	
9·6	17 11·2	7·4	
9·8	23·2	0·4	
8·8	31·2	1·8	
9·6	35·2	52·0	
10·0	40·2	56·9	
10·1	47·9	19·4	
10·0	59·2	2·6	
6·6	18 10·4	49·4	6·6 GSct
9·0	10·9	39·0	
10·1	12·4	42·5	
10·0	38·4	32·0	
9·3	47·4	55·7	9·0 G
10·1	49·9	6·5	
10·0	53·4	48·9	
10·0	54·4	28·0	
10·1	19 10·4	45·5	
10·1	16·7	0·1	
10·1	20·4	5·0	
10·1	34·4	11·4	
9·8	37·4	8·5	
10·0	45·9	18·6	
10·1	55·4	28·2	
9·8	57·4	28·5	
8·6	20 23·9	52·1	9·1 Ga
10·1	31·9	58·0	
10·1	50·9	38·9	
10·1	59·4	41·0	
9·1	21 0·4	15·1	8·8 G=
10·0	15·4	30·8	
9·2	15·4	31·8	
9·4	17·4	26·4	
9·5	22 18·9	13·8	
10·1	20·9	36·6	
7·0	23·4	41·4	7·0 GSct
10·0	24·4	31·5	
9·4	39·9	15·1	
8·4	23 0·0	16·6	–
9·4	0·5	48·9	
8·6	12·5	50·5	8·2 Ga
10·0	18·0	35·3	
	+1 0·4	+1·5	

841—900.				
mag.	5^h m	s	—26° ′	
9·6	23	23·5	36·9	
9·0		31·0	36·6	9·0 W–
9·4		33·5	46·5	
10·1		53·0	36·4	
9·6		55·3	1·6	
9·0	24	3·0	27·5	9·0
9·6		10·5	46·8	
10·1		15·0	2·6	
10·1		21·5	48·0	
10·0		38·0	10·1	
9·0		44·5	17·4	
9·3		48·5	0·5	
8·8		54·0	23·4	8·5 Ga
9·6		54·5	41·0	
8·8		55·0	16·6	8·8 Ga
9·3		55·3	25·2	
9·2		55·7	45·6	
9·8	25	1·7	46·6	
9·6		11·5	13·9	
10·1		16·5	41·1	
9·5		28·7	6·6	
10·0		44·0	43·8	
9·8		47·0	9·4	
9·2		52·0	16·3	9·0 a
9·4	26	13·5	37·2	
9·8		33·0	8·4	
9·5		35·5	39·8	
9·8		56·0	8·0	
9·0	27	44·0	23·8	9·2
8·8		50·0	21·1	8·5 ≡
9·6		55·0	3·4	
8·8	28	4·0	49·1	8·5 a
8·4		6·0	38·9	–
8·9		18·0	50·3	9·0 a
9·4		23·0	12·7	
9·3		42·0	12·5	
10·0		49·5	0·4	
10·0	29	15·0	17·0	
9·6		50·0	16·8	
10·0		53·0	36·4	
9·9		55·0	52·9	
9·2	30	17·5	59·0	
9·4		29·0	17·3	
9·8		31·0	52·7	
9·6		50·5	28·1	
8·8		51·0	25·7	
10·0	31	15·0	5·9	
10·0	32	4·5	41·0	
10·0		22·5	54·1	
10·0		25·0	48·0	
9·5		31·0	17·5	
7·8		41·5	47·6	7·5 GSb
10·0		55·0	0·1	
9·8		55·5	10·9	
10·0	33	4·2	57·3	
9·4		8·0	18·7	
9·8		28·0	39·6	
9·4		37·0	25·8	
9·4		43·5	52·9	
10·0		44·5	30·2	
25pr.	+1	0·3	+1·2	

901—960.				
mag.	5^h m	s	—26° ′	
9·5	33	48·0	45·3	
10·0	34	4·0	27·8	
10·0		8·0	38·4	
9·3		10·5	19·8	
9·4		14·0	45·8	
9·8		36·5	31·5	
10·0	35	4·5	21·2	
9·6		16·0	41·2	
9·2	36	6·0	59·2	
8·0		16·5	24·5	8·0 GSb=
8·8		17·0	25·0	8·8 –
8·8		38·0	13·7	
9·8		44·0	56·8	
9·5		59·0	10·6	
9·9	37	5·0	50·5	
10·0		5·0	55·3	
9·9		10·5	18·9	
9·3		12·5	5·9	
9·2		16·0	32·1	9·5
10·0		23·5	22·6	
10·0	38	0·0	37·7	
9·6		12·0	34·2	
10·0		16·0	48·7	
8·4		25·0	12·2	7·8 G≡
9·8		27·0	30·4	
9·6		52·0	58·2	
9·4	39	7·0	9·8	
9·0		7·5	33·4	
10·0		11·0	9·5	
10·0		12·5	37·2	
9·8		28·5	46·4	
8·8		35·0	51·7	a
8·7		35·0	19·0	9·0 Ga
8·8		40·0	12·3	8·5 a
9·9		54·0	13·4	
9·5		56·0	48·1	
9·3		56·0	54·6	
8·8	40	5·0	36·4	9·0
10·0		6·0	52·9	
9·6		36·5	52·2	
8·6	41	4·0	56·3	9·5 a
8·8		5·0	40·4	8·5 a
9·2		15·5	31·1	
8·2		27·0	25·4	8·5 Ga
8·8		28·0	49·5	9·0 a
9·3		30·0	1·4	
8·9		35·5	32·5	
9·6		45·0	34·6	
9·9		45·5	27·6	
10·0	42	0·0	1·5	
8·2		7·0	18·3	8·5 Ga
8·8		29·8	58·2	9·0 Ga
10·0		31·5	31·2	
10·0		35·0	17·4	
9·4	43	2·0	33·7	
9·0		15·0	10·6	8·8 Ga
9·9		22·5	16·0	
9·4		42·0	25·8	
9·3	44	15·0	15·9	a
9·0		20·0	44·8	9·0 a
	+1	0·2	+0·8	

961—1020.				
mag.	5^h m	s	—26° ′	
9·3	44	27·0	13·9	
8·0		35·0	23·1	8·0 GWa
9·8	45	5·5	15·0	
9·5		20·5	47·3	
9·2		20·5	56·0	
9·3		25·5	39·1	
9·9		35·0	52·8	
8·9		54·5	46·1	9·0
8·9	46	1·5	32·7	
10·0		5·5	12·7	
9·9		12·5	18·5	
9·3		23·2	41·8	9·0
9·4		29·0	9·7	
9·3		30·4	41·5	9·0
9·6		31·5	46·8	
10·0		37·7	0·9	
10·0		47·5	43·7	
9·2	47	8·0	32·1	
9·5		10·7	14·0	
8·1		22·2	19·3	8·0 Ga
10·3		23·6	42·0	
10·2		25·7	15·5	
9·3		33·9	16·5	9·5 b
9·6		36·9	6·7	
10·2		51·4	13·1	
10·3		59·6	20·9	
10·1	48	17·4	10·3	
10·3		36·4	25·9	
9·2		39·4	16·5	9·5 a
9·6		53·9	18·6	9·0 a
9·6	49	12·4	15·3	
10·0		12·9	43·9	
10·0		21·4	13·3	
10·2		21·9	6·1	
7·6		39·4	41·1	7·0 GSb
9·4		41·4	50·8	
10·0		48·9	38·1	
10·1		52·4	33·0	
10·3		58·9	24·1	
9·6	50	8·4	50·5	9·0 a
10·0		30·9	46·0	
9·4		33·4	22·7	
10·2		49·4	47·0	
9·0	51	6·4	50·4	a
10·3		11·4	12·9	
10·3		14·4	5·2	
10·0		16·9	56·8	
9·8		22·9	23·0	
10·3		27·9	24·6	
9·8		28·4	39·8	
8·5		32·4	32·5	8·5 ≡
8·9		33·9	46·5	9·0 a
10·3		33·9	4·9	
10·3		34·6	59·9	
10·2		44·3	0·0	
10·2		48·9	45·4	
10·3		50·9	4·8	
10·1		56·9	34·8	
9·0		59·9	13·5	9·0 G
9·6	52	3·4	37·0	
	+1	0·2	+0·4	

1021—1080.				
mag.	5^h m	s	— ′	
10·3	52	21·4	38·4	
9·7		47·9	37·0	
10·1		50·9	23·4	
9·3		53·4	51·0	8·5 Ga
10·2		53·4	22·0	
10·2		58·9	47·5	
10·2	53	7·9	33·8	
9·0		16·9	13·0	8·2 G≡
10·0		23·4	4·0	
9·8		24·4	47·8	
10·3		24·9	50·0	
10·3		29·4	50·2	
9·6		31·4	52·4	
10·0		42·9	32·6	
10·1	54	3·4	46·0	
10·2		18·9	55·0	
10·3		29·4	12·3	
10·1		30·4	17·0	
10·2		36·4	42·0	
9·7		38·4	12·7	
10·0		39·9	36·4	
10·2		41·9	40·5	
10·0		42·4	31·9	
9·6	55	1·4	35·1	
10·2		18·4	45·9	
10·3		28·4	23·5	
10·3		36·4	59·8	
9·6		46·4	38·0	
9·6		48·4	42·4	
9·7		55·4	43·1	
10·1	56	2·9	22·5	
9·6		9·9	31·1	
10·3		13·4	13·6	
10·1		21·4	23·7	
10·3		22·9	51·4	
10·1		28·9	28·3	
10·2		33·3	23·7	
10·3		33·9	7·2	
9·6		40·4	37·2	
9·6		44·9	13·2	
10·3		51·4	36·1	
9·4		54·9	11·1	
10·2		57·9	6·0	
8·3	57	7·9	39·8	8·0 G
10·3		19·4	25·7	
9·0		26·4	17·5	9·0
9·4		27·4	59·9	
10·0		33·4	18·1	
10·2		33·9	36·9	
9·0		43·4	39·2	8·5 G–
9·8		43·9	54·7	
9·6		47·9	7·0	
9·4		54·9	27·0	
9·8	58	2·9	28·7	
10·1		7·9	13·3	
10·3		8·4	12·0	
6·9		13·4	17·0	5·8 GStr
9·4		26·4	1·9	
9·8		29·1	0·2	
9·6		31·4	28·1	
	+1	0·1	+0·1	

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1081—1140.

mag.	5h.–6h. m s	−26° ′	
10·3	58 44·9	54·2	
10·3	52·9	55·0	
10·1	55·9	6·2	
9·4	59 0·9	11·2	
9·6	17·9	35·4	
10·3	18·4	9·2	
8·5	21·7	57·5	8·2 Ga
9·0	32·4	31·3	
10·0	34·9	34·6	
9·3	41·4	28·7	
10·3	48·9	51·7	
10·0	50·9	42·8	
9·7	51·4	44·8	
9·4	57·1	1·2	
10·2	59·4	31·8	
10·2	0 3·9	44·2	
10·3	5·9	42·0	
9·7	12·4	16·8	
10·2	32·4	32·6	
8·5	46·4	18·8	8·5 Ga
9·4	57·9	54·8	
10·2	1 3·9	23·8	
10·0	7·4	22·2	
9·3	8·9	18·4	
10·1	10·6	56·5	
10·0	17·9	39·6	
10·3	20·9	55·2	
9·2	22·9	25·6	
10·0	30·4	26·1	
10·2	35·4	56·5	
9·7	43·9	4·0	
10·0	52·4	41·0	
9·7	53·9	26·2	
10·2	55·9	0·0	
9·8	2 2·4	19·1	
8·8	27·9	15·0	
9·4	35·9	22·7	
8·6	36·4	36·2	9·0 a
9·8	38·4	28·6	
10·3	38·9	58·0	
10·2	53·4	41·8	
10·2	57·6	20·0	
9·7	59·4	9·9	
9·6	3 1·6	40·0	
10·3	8·6	5·1	
10·0	14·1	31·4	
9·2	24·1	26·2	9·5
9·6	31·1	9·3	
10·3	37·6	18·6	
9·7	45·1	54·3	
9·8	45·1	19·3	
10·2	4 13·6	28·0	
10·3	27·1	54·6	
10·1	33·1	38·2	
7·4	46·6	40·7	6·5 GSa
9·6	51·6	17·8	
10·0	5 1·6	45·7	
10·0	14·1	52·9	
9·8	16·6	51·8	
9·8	22·6	26·4	
25pr.	+1 0·1	−0·1	

1141—1200.

mag.	6h. m s	−26° ′	
10·3	5 24·1	27·4	
9·6	28·6	56·2	
9·2	39·6	54·3	
9·6	6 2·6	56·4	
9·3	4·1	15·2	
6·2	13·1	27·4	6·5 GSct
9·0	16·6	30·4	
10·1	19·6	11·7	
10·0	22·1	54·2	
9·6	37·1	11·0	
9·0	42·6	40·2	9·0 G
8·5	46·6	42·2	8·0 GW–
9·8	48·1	45·4	
10·3	49·6	47·7	
10·0	55·1	26·9	
10·2	58·6	32·6	
9·0	7 3·6	46·9	
8·4	5·1	1·3	GSa
10·2	16·6	9·0	
9·4	18·1	55·1	
9·3	18·1	35·8	
9·8	20·1	9·1	
9·3	22·6	34·7	9·5 G
9·6	23·1	5·8	a :
8·7	24·6	36·1	9·0
9·7	27·1	20·0	
9·7	31·1	36·0	
9·6	36·6	8·9	
10·3	40·6	18·2	
9·7	44·1	4·6	
10·0	54·1	41·6	
10·3	54·6	8·3	
9·3	8 3·6	30·0	
9·6	8·1	25·0	
9·6	11·5	54·9	
9·0	40·1	10·6	
10·3	41·6	44·9	
10·3	52·6	54·9	
9·6	9 0·6	9·0	
10·2	4·1	15·1	
9·3	11·4	48·3	
8·4	16·2	7·7	8·3 G=
9·3	19·6	16·7	9·5 G
9·0	35·1	10·0	8·5 Ga
10·3	46·6	20·1	
10·2	46·6	47·5	
10·3	49·3	24·9	
9·6	52·8	27·8	
10·0	53·7	38·0	
10·0	55·8	53·9	
9·9	10 10·3	7·2	
10·0	22·3	34·2	
9·9	26·3	33·7	
10·0	36·8	25·9	
8·8	51·1	58·1	8·8 G
10·0	11 1·3	35·0	
9·2	4·2	1·2	
9·0	6·8	24·6	a
8·8	15·3	32·4	a
9·8	26·3	53·4	
	+1 0·2	−0·3	

1201—1260.

mag.	6h. m s	−26° ′	
9·2	11 55·3	22·9	
9·4	12 7·8	52·9	
10·0	11·8	48·9	
7·8	14·8	53·3	7·0 GSb
9·7	15·3	13·4	
10·0	16·8	43·2	
9·0	17·8	52·6	
9·8	26·8	17·1	
8·6	36·8	40·4	8·5
9·6	46·3	41·8	
9·6	54·3	18·8	
10·0	13 13·8	30·2	
9·0	42·8	56·1	a
8·8	43·3	16·6	9·0 –
9·6	14 3·8	58·3	
8·4	40·8	55·7	7·5 Ga
9·5	43·8	13·3	
10·0	53·2	30·7	
8·4	57·2	17·2	9·0
9·4	15 2·7	35·6	
9·0	2·7	51·1	9·0 a
9·0	6·2	6·6	
8·8	8·7	43·4	8·2 Ga
9·0	16·7	31·8	
9·9	18·7	53·0	
9·9	32·7	35·0	
9·2	42·7	34·2	9·0
9·3	50·7	53·4	a
9·7	58·2	1·4	
10·0	16 1·2	55·4	
9·9	12·2	11·5	
8·1	13·7	26·0	8·2 a
9·6	21·7	50·8	
9·8	30·7	22·5	
9·4	33·0	3·0	
9·8	46·2	13·2	
7·9	56·2	18·7	8·0 Ga
9·2	17 6·2	24·0	
9·7	6·7	51·4	
8·6	13·7	13·0	7·8 Gb
9·4	21·7	25·4	
9·6	35·7	58·8	
9·9	39·6	30·4	
9·1	44·7	15·7	9·0
9·0	48·7	43·6	
9·8	48·7	40·0	
8·4	51·2	15·3	8·5 a
9·3	58·2	58·4	a
9·7	18 0·7	21·2	
9·8	2·2	20·7	
9·2	19·7	46·6	
8·7	23·7	19·0	7·8 GSa
10·0	34·6	38·1	
10·0	38·2	41·1	
9·4	39·7	41·1	
10·0	42·2	17·2	
9·3	46·7	25·2	9·5 a
9·4	50·2	4·8	
10·0	54·3	24·7	
9·0	56·3	4·1	
	+1 0·2	−0·6	

1261—1320.

mag.	6h. m s	−26° ′	
9·1	19 5·8	34·4	9·5 a
8·0	11·8	22·7	7·2 GSa
9·5	20·3	39·3	
9·6	24·3	35·2	
9·4	26·3	55·4	
9·9	30·3	9·8	
9·6	36·8	37·0	
9·6	56·3	27·2	
9·4	20 6·8	39·6	
8·8	17·3	4·6	8·2 a
8·4	20·8	49·6	9·0 a
10·0	22·7	44·1	
9·6	24·8	42·6	
9·4	35·8	41·6	a
9·9	21 0·8	7·4	
9·0	2·8	6·2	9·0
9·4	4·8	35·2	
9·8	18·8	9·0	
9·7	18·8	37·0	
8·6	22·3	13·6	8·5 –
9·8	22·8	51·2	
8·8	30·3	44·6	8·2 a
8·9	30·3	2·0	8·0 Ga
9·0	34·8	31·6	9·5
9·9	41·3	15·6	
8·4	46·3	41·2	8·2 Ga
9·0	55·8	38·2	
9·1	22 2·8	55·4	
9·9	14·8	17·6	
8·4	28·6	0·2	8·5 a
9·5	33·3	4·8	
9·0	40·8	57·8	
9·3	43·8	45·3	9·0 a
9·4	23 47·3	15·8	
9·8	55·3	54·2	
10·0	24 5·8	45·4	
8·9	8·8	2·4	8·5 =
9·6	13·8	22·6	
8·4	16·8	25·2	8·5 Ga
9·9	41·8	40·2	
9·6	25 1·0	25·1	
9·6	22·0	10·0	
9·0	22·5	18·1	
9·0	25·5	25·1	a
8·9	32·0	28·4	a
9·1	43·5	52·5	
9·0	46·5	14·2	8·2 G≡
9·0	26 6·5	43·6	
10·0	12·5	53·1	
9·2	13·5	25·6	9·5 Ga
8·9	14·5	26·8	9·0 Ga
9·4	38·5	14·4	9·0 a
9·6	42·0	14·6	
9·6	43·0	5·4	
9·6	46·5	43·0	
9·3	27 16·5	23·7	
9·4	19·5	6·6	
9·9	21·5	31·9	
9·2	23·0	33·2	
9·3	26·5	3·1	
	+1 0·2	−0·8	

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1321—1380.

mag.	6h. m	s	—26° ′	
9·9	27	31·0	23·5	
9·2		36·5	42·7	
9·0		37·0	27·6	a
9·3		47·5	51·1	
9·0		59·0	6·1	9·5
8·8		59·0	6·7	8·5 a
9·6	28	0·0	42·6	
9·3		0·0	40·6	
9·5		7·0	25·1	
9·2		8·0	20·1	a
9·8		10·0	21·8	
9·8		11·0	14·8	
9·4		21·0	11·4	
9·8		23·0	56·6	
9·4		34·0	4·1	
7·7		37·5	14·1	8·0 GSa
9·9		43·0	24·1	
9·6		54·0	49·0	
9·0	29	7·0	44·6	9·0 a
9·1		23·0	16·5	
10·0		26·2	1·9	
10·0		38·5	3·8	
9·4		44·0	26·8	
9·6		52·5	4·5	
9·6		57·5	42·2	
9·2	30	2·0	20·6	
9·4		4·9	0·9	
9·4		7·5	19·3	
9·5		7·5	18·3	
9·8		20·0	18·6	
9·2		29·0	45·7	
9·7		31·0	2·4	
9·4		31·5	13·5	
9·1	31	3·0	22·5	9·0
9·8		6·5	37·9	
9·4		8·0	20·3	
8·7		13·5	1·4	8·5 Ga
8·6		17·5	25·8	7·5 Ga
9·0		32·5	30·0	9·0 a
10·0		53·0	10·9	
8·4		53·5	39·1	8·0 –
9·0		54·0	56·9	b
9·6		56·5	41·7	
9·7	32	19·5	55·0	
9·9		32·8	26·3	
9·2		36·6	38·2	a
9·2		37·8	6·2	9·5 G
9·0		39·3	10·2	9·0
9·9		43·1	9·4	
9·5		45·1	10·0	
9·5		56·1	55·0	
9·2	33	1·6	55·4	a
9·0		14·1	0·8	8·5 –
9·9		20·1	39·4	
9·9		24·6	11·8	
9·9		37·6	4·7	
8·9		39·6	14·4	9·5 G
9·9		43·6	32·3	
9·9		45·1	12·6	
9·9		46·6	19·4	
25pr.	+ 1	0·3	− 1·1	

1381—1440.

mag.	6h. m	s	—26° ′	
9·4	33	52·6	51·2	
9·9		54·6	39·8	
9·1	34	1·6	51·8	
8·8		7·1	27·7	8·0 G
9·9		8·6	15·2	9·0 Ga
9·4		9·3	59·8	
8·6		10·6	27·6	8·2 Ga
9·9		13·1	27·1	
9·9		19·6	28·3	
8·8		25·1	18·1	8·0 G–
8·2		35·6	33·9	8·2 a
8·8		37·1	31·6	8·5
9·9		37·1	6·7	
8·8		48·1	4·7	9·0
9·9		51·6	37·5	
9·9		52·1	23·3	
8·0		53·1	40·5	8·2 Ga
9·4		57·6	53·0	
8·9	35	7·6	38·2	9·0 G
9·1		13·6	1·8	
8·4		25·6	11·7	8·5 Ga
9·9		29·6	3·2	
9·5		36·1	33·1	
9·1		41·6	3·1	
9·5		52·1	5·2	
9·5		55·6	30·6	
9·4		59·3	56·7	
9·5		59·6	27·2	
8·6	36	4·4	2·0	9·0
9·3		13·1	49·8	
9·3		22·6	53·2	
9·9		35·6	40·8	
9·4		44·6	49·7	
9·9		50·6	25·6	
9·8		53·1	25·0	
9·9		56·6	44·4	
9·5		56·6	39·0	
9·9	37	1·1	18·3	
9·3		18·6	50·4	
9·9		20·5	59·4	
9·6		27·1	18·2	
9·3		31·6	32·5	G
9·9		39·6	16·3	
9·4		43·1	14·2	
9·3		49·4	0·6	8·7 G
8·8	38	7·1	0·3	8·1 Ga
9·5		11·1	43·9	
9·3		14·6	6·0	9·5 G
8·3		17·1	20·7	8·2 a
9·9		17·6	17·7	
9·6		18·1	52·3	
9·8		27·6	49·3	
8·4		28·6	2·1	8·2 Ga
9·8		34·1	57·6	
9·5		36·6	40·3	
9·2		51·6	20·7	
9·6		57·6	26·0	
9·8	39	0·6	10·6	
9·5		9·1	32·9	
9·8		29·6	43·7	
	+ 1	0·4	− 1·3	

1441—1500.

mag.	6h. m	s	—26° ′	
9·9	39	29·6	12·0	
9·9		31·6	43·7	
9·7		33·6	17·2	
9·5		34·6	9·4	
9·8		42·6	53·4	
9·9		54·6	7·9	
9·7	40	8·6	35·6	
9·6		14·3	2·3	
9·8		16·1	19·8	
9·0		21·6	1·7	8·8 a
9·3		33·1	3·7	9·0
9·3		35·6	11·9	
9·7		46·6	2·8	
9·1		59·6	35·3	9·0 –
9·8	41	3·6	15·8	
9·9		12·1	42·4	
9·9		19·6	27·7	
9·6		27·6	33·5	
9·7		53·1	45·5	
9·4	42	23·6	54·4	
9·9		26·6	7·8	
9·9		41·1	47·3	
9·9		43·6	53·1	G
9·5		43·6	27·2	
8·3		56·6	23·8	8·5 GWa
9·9		58·1	18·1	
9·9	43	3·6	15·4	G
9·3		6·6	12·4	
8·8		14·6	56·0	9·2 G
9·7		19·1	5·1	
9·4		27·6	58·0	
9·5		56·6	20·0	
9·6	44	13·6	40·7	
9·8		15·6	7·3	
9·7		23·7	34·0	
8·9		24·6	56·8	
8·9		33·6	24·7	
9·9		33·6	55·8	
9·7		33·6	19·2	
9·4		48·1	29·5	
9·9	45	6·6	50·1	
9·8		9·1	9·2	
8·8		13·6	37·7	8·5 a
9·7		14·6	34·3	
9·2		17·6	4·3	
9·8		22·6	48·3	
9·9		23·6	3·1	
9·7		23·6	44·2	
9·7		24·6	24·0	
9·4		28·1	42·5	
8·8		32·6	59·0	8·2 Ga
9·5		33·1	34·2	
9·3		39·6	56·2	
9·9		41·1	14·8	
9·5		43·1	22·6	
8·9		44·6	24·4	8·5
9·8		46·6	42·5	
9·2	46	3·6	54·3	9·0 a
9·5		6·6	2·4	
9·5		22·3	2·2	
	+ 1	0·4	− 1·6	

1501—1560.

mag.	6h. m	s	—26° ′	
9·9	46	22·7	22·0	
9·5		24·6	57·5	
7·8		34·6	23·2	7·8 GSa
9·7		38·6	39·9	
7·8		46·6	25·9	7·8 GSa
8·6		47·1	44·8	a
9·7		48·1	57·9	
9·6	47	3·6	31·1	
9·6		11·6	30·7	
9·3		11·6	47·0	
9·4		16·6	18·6	9·0 G
9·9		21·1	41·8	
8·7		33·6	14·7	9·0
9·1		39·6	52·4	9·0
9·3		42·6	15·8	
9·7		44·6	56·8	
9·7		48·6	59·3	
9·1		52·6	51·6	
9·1		56·1	8·4	
8·0		58·6	48·2	7·0 Gb
9·7	48	1·1	29·0	
9·7		6·6	23·4	
9·8		8·1	19·7	
9·9		12·6	46·4	
9·1		12·6	31·8	9·0
9·9		13·6	28·6	
9·7		26·6	43·4	
9·9		29·1	28·5	
9·9		31·1	27·0	
9·4		42·6	47·9	
9·5		46·6	28·6	
8·7		55·6	42·4	a
8·8		57·6	25·8	9·2 S
9·7	49	6·6	48·6	
9·6		10·1	28·0	
9·7		11·6	40·0	
9·9		28·6	22·6	
9·5		36·6	37·4	
9·3		42·6	23·0	
9·3		45·1	54·4	
9·6		56·6	26·3	
9·9	50	3·1	0·2	
9·9		6·6	48·4	
9·7		8·1	52·4	
9·9		15·1	31·1	
9·9		16·3	58·0	
9·5		21·5	9·8	
9·9		23·0	29·8	
9·9		29·5	51·7	
8·0		30·0	58·7	8·3 Ga
9·5		37·5	27·3	
9·9		43·6	0·7	
9·9		44·0	4·4	
8·0		48·5	58·3	8·2 a
9·4		52·9	57·1	9·2
9·9		52·5	2·0	
9·4		58·0	28·8	
9·9	51	6·5	1·6	
9·9		7·0	19·4	
9·2		9·0	41·6	8·5
	+ 1	0·5	− 1·8	

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1561—1620.

mag.	6h. m	s	—26° ′	
9·0	51	12·5	30·6	
9·9		13·5	32·9	
9·7		25·0	23·4	
9·7		26·5	46·5	
9·9		33·5	29·2	
9·7		42·5	12·1	
9·9		48·5	47·6	
9·9		52·5	45·4	
9·9		53·5	35·9	
9·1		55·0	33·1	8·8 G—
9·9		56·5	37·4	
9·7	52	2·0	18·5	
9·3		6·5	10·9	
9·1		7·0	50·1	9·2
9·6		11·5	25·7	
9·9		18·0	19·1	
9·9		22·7	58·4	
9·0		28·5	51·1	
9·9		31·0	12·6	
9·0		31·5	58·1	8·3 a
8·5		48·5	16·6	≡
9·9		50·5	48·0	
6·6	53	6·7	59·9	6·7 GSa
9·9		9·5	58·4	
9·9		12·5	28·7	
9·5		12·7	1·8	
9·9		13·5	17·6	
9·5		14·5	38·6	
9·6		18·0	27·3	
8·4		23·2	59·6	9·0 a
9·0		32·5	42·9	
8·8		33·5	32·7	8·5 GSa
9·8		42·0	34·9	
9·1		42·0	4·0	
8·8		44·5	42·0	a
9·8		53·5	6·6	
8·7		54·5	5·7	9·0 W
7·5		57·5	18·2	8·0 GSb≡
9·7		58·3	50·8	
9·9		58·5	3·8	
8·8	54	4·8	53·6	9·5
9·5		5·8	13·3	
9·5		7·5	12·7	
8·8		11·5	25·2	
9·2		12·8	57·6	9·5
9·9		13·5	20·2	
9·9		13·5	7·9	
9·7		16·0	56·7	
9·3-		16·8	54·4	9·0
9·8		18·6	50·8	
9·8		19·3	27·1	
9·8		20·6	1·0	
9·5		23·8	14·3	
9·2		24·0	30·4	G
9·7		27·6	30·4	
9·4		32·1	37·7	
9·5		44·8	10·1	
9·0		57·0	17·1	9·0 a
9·4	55	10·6	29·1	
9·8		11·0	5·3	
25pr.	+ 1	0·6	—1·9	

1621—1630.

mag.	6h. m	s	—26° ′	
9·8	55	13·6	10·8	
9·8		17·1	59·6	
8·4		18·6	22·3	8·2 Ga
9·4		21·6	2·6	
9·3		30·6	48·8	
9·6		40·6	33·9	
9·3		44·1	21·7	
8·4		44·2	57·4	=
9·0		44·9	20·8	9·5 a
8·4		48·4	47·0	8·5
9·6		53·4	15·8	
9·6		58·9	7·2	
9·8	56	0·4	18·6	
8·5		0·4	46·8	8·5
8·8		13·4	43·5	9·0
9·0		13·4	29·1	
9·7		16·9	23·7	
9·6		18·4	46·6	
9·0		21·4	22·5	
9·7		26·4	18·0	
8·7		26·9	47·0	8·5
9·6		26·9	15·8	
8·8		28·4	14·1	
9·6		30·4	17·0	
9·7		35·4	30·2	
9·2		37·4	21·8	
9·8		45·4	2·2	
9·5		48·4	9·3	
9·0		48·4	17·8	
9·4		48·4	46·8	
9·0		52·9	49·8	
9·0		53·4	5·9	9·5
8·2		53·9	30·8	7·8 Ga
8·4		54·9	19·5	8·2 Ga
9·6		59·9	51·5	
8·7	57	0·4	23·3	9·0 a
9·7		4·4	15·0	
9·0		17·4	21·0	9·0
8·9		20·4	34·1	
9·7		22·4	35·8	
9·6		26·4	14·0	
9·6		26·4	56·6	
9·8		29·2	0·0	
9·6		30·3	9·6	9·5
9·7		30·4	3·0	
9·7		30·4	2·6	
9·3		31·4	28·0	
9·6		34·8	2·7	
9·3		35·4	5·9	
9·0		39·3	28·4	
9·8		41·0	59·3	
9·8		41·3	20·0	
8·8		42·8	3·8	9·0 a
9·6		43·3	8·9	
9·8		53·5	28·7	
9·3	58	2·8	18·4	
9·7		6·3	12·2	
9·5		10·3	32·0	
9·5		12·8	41·1	
9·4		14·3	24·8	
	+ 1	0·6	—2·1	

1681—1740.

mag.	6h.—7h. m	s	—26° ′	
9·4	58	22·3	22·5	
8·7		27·3	55·4	9·0 a
9·4		30·8	49·6	
9·1		33·3	32·0	
9·6		33·5	13·7	
9·8		34·8	31·6	
9·8		40·3	27·3	
9·8		41·3	30·0	
9·4		43·8	19·1	
9·4		45·8	3·9	
9·8		46·3	19·8	
9·2		47·3	27·4	9·0 a
9·0		49·3	53·7	9·2
9·8		52·5	49·6	
9·0		54·3	34·0	8·5 a
8·5		56·8	50·0	8·5 Ga
9·8		58·5	43·0	
9·5		58·8	17·6	
9·8	59	6·3	57·2	
9·8		7·3	27·3	
9·3		8·3	7·9	
9·6		8·3	55·6	
9·3		15·8	44·2	
9·8		22·3	5·7	
9·4		31·3	32·1	
9·7		32·5	43·0	
9·8		33·3	9·0	
9·6		38·9	58·8	
8·8		43·1	57·7	9·2
9·8		46·3	49·8	
8·6		50·8	25·3	9·0 a
9·6		57·3	20·8	
8·2		58·3	55·6	8·0 Ga
9·2		59·3	37·4	
9·2	0	0·3	52·3	
8·8		1·8	23·5	9·0 a
9·8		8·3	4·4	
9·7		16·8	7·3	
9·7		16·8	42·1	
9·6		18·8	27·3	
9·8		20·3	43·2	
9·8		23·8	25·9	
9·8		26·3	19·4	
9·1		28·8	4·1	—
9·6		29·8	35·9	
9·6		30·8	1·5	
9·3		38·3	27·7	
9·0		39·8	4·6	—
9·6		40·4	23·0	
9·6		46·3	9·6	
9·8		48·3	3·6	
9·4		50·8	31·2	
9·6		53·3	54·1	
9·4		57·8	35·7	
9·6		59·8	13·1	
9·8	1	1·3	34·7	
9·4		1·9	57·9	
8·5		3·3	36·2	8·5
9·7		5·8	49·5	
9·8		10·4	57·4	
	+ 1	0·7	—2·2	

1741—1800.

mag.	7h. m	s	—26° ′	
9·8	1	11·3	51·9	
9·8		14·8	31·9	
9·8		16·3	34·5	
9·8		17·8	31·0	
9·1		19·3	56·4	
9·3		22·3	20·8	
9·7		25·3	8·5	
9·8		26·4	33·1	
9·0		31·8	25·8	
9·0		33·3	25·9	8·5 —
9·7		35·1	58·7	
9·6		36·3	17·7	
9·6		38·3	40·5	
9·4		40·8	7·9	
9·8		46·3	26·5	
9·4		47·8	54·9	
9·6		52·3	2·3	
9·6		53·3	23·0	
7·3		56·3	27·7	7·0 GWb
8·6	2	0·3	13·1	G
8·4		0·3	43·4	a
9·6		1·2	6·5	
9·6		2·7	11·7	
9·4		9·2	56·5	
9·8		12·2	15·7	
9·4		16·2	16·5	
9·6		16·2	9·0	
9·0		22·2	4·1	9·0
9·2		23·2	8·6	9·0 SW
9·8		27·7	14·2	
9·8		28·2	6·2	
9·8		31·2	20·9	
8·7		31·2	9·9	8·5 GSb—
9·6		32·2	37·7	
9·8		32·2	4·8	
9·8		34·2	13·7	
9·8		36·2	32·8	
9·8		40·2	1·1	
9·6		42·2	55·9	
9·6		43·1	19·2	
9·6		43·2	4·6	
9·8		46·7	38·9	
9·0		47·2	43·1	
9·6		53·7	6·0	
9·4		56·2	21·6	
8·3		56·2	5·2	8·5 SWa
9·6	3	4·7	23·5	
9·0		4·7	14·9	
9·0		12·2	45·8	
9·6		12·2	37·9	
9·5		12·7	36·6	
9·6		13·2	32·0	
4·4		19·2	11·7	2·0 GSπβ
9·5		20·2	5·9	
9·4		21·7	20·3	
9·8		22·2	35·1	
9·4		23·2	26·5	
8·9		29·2	45·7	
9·8		30·1	32·6	
9·2		30·2	15·7	
	+ 1	0·7	—2·2	

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1801—1860.

mag.	7h. m	s	−26° ′	
9.8	3	36.2	55.8	
9.7		37.2	19.7	
8.8		38.2	33.1	8.0
9.6		38.7	27.9	
9.8		41.2	14.6	
9.3		42.2	58.1	a
9.8		43.1	38.4	
9.6		50.1	25.9	
9.6		50.2	34.6	
9.4		51.2	44.2	
8.8		56.5	54.9	a
9.4		58.5	11.8	
9.6	4	2.6	32.1	
9.6		3.0	41.0	
9.8		5.5	43.0	
9.0		6.5	43.2	
9.8		8.5	15.5	
9.4		9.0	41.1	
9.0		12.0	53.0	
9.2		13.0	21.8	
9.4		13.5	52.0	
9.2		17.0	1.8	
9.6		19.0	44.9	
9.8		22.5	1.7	
9.3		28.0	14.5	
9.4		36.5	7.1	
9.4		46.0	23.1	
9.8		46.0	4.6	
9.3		47.0	52.4	
9.4		53.0	12.8	
9.7		56.0	30.6	
9.1		57.0	6.1	
9.4		59.0	39.1	
9.2		59.0	55.5	
9.4	5	1.5	30.0	
9.8		3.0	20.7	
9.0		3.0	30.6	
9.7		6.0	20.8	
9.0		13.0	28.5	
9.1		17.0	6.3	
9.6		21.5	13.1	
9.6		23.0	42.8	
9.0		23.0	2.6	
9.6		23.5	59.9	
9.8		34.5	38.3	
9.8		39.0	19.8	
9.6		42.5	33.3	
9.2		46.5	25.2	
9.4		48.5	24.4	
9.6		58.0	35.1	
8.9	6	0.0	46.3	8.7
9.6		2.0	48.9	
9.2		6.0	16.9	9.5
9.4		6.0	54.1	
9.8		11.0	18.7	
9.6		12.0	35.2	
9.2		20.5	30.7	
9.8		21.8	25.7	
9.1		22.8	35.3	
9.8		35.8	45.7	
25pr.	+1	0.8	−2.3	

1861—1920.

mag.	7h. m	s	−26° ′	
9.4	6	45.8	11.8	
9.1		49.8	52.0	
9.8		53.7	28.4	
9.8		54.8	55.8	
9.6		55.3	8.2	
9.8		56.8	29.1	
9.6		58.8	32.1	
9.3	7	4.8	16.1	
9.7		11.8	22.4	
9.8		13.3	19.7	
8.5		13.8	16.8	8.2 a
9.3		14.8	15.5	9.5
9.8		17.3	8.7	
9.7		22.8	10.6	
9.6		29.3	3.8	
9.7		29.8	41.8	
9.8		32.8	19.2	
9.3		37.8	37.9	
9.0		41.8	50.6	
9.8		46.8	26.0	
9.1		50.8	51.9	
9.6		51.8	22.2	
9.6		59.8	14.3	
9.5	8	11.8	11.9	
9.3		15.3	28.7	
9.8		16.8	16.9	
9.2		20.8	29.0	
9.8		25.8	40.8	
9.8		28.8	35.5	
9.8		32.8	23.4	
9.2		33.3	22.9	
9.8		37.8	18.2	
9.8		41.3	10.1	
9.4		50.3	18.1	
9.5		50.3	19.8	
9.4		50.8	12.1	9.0
9.4		51.8	4.1	
8.9		51.8	13.9	8.5 a
9.8		52.7	59.4	
9.8		53.2	16.7	
9.8		55.2	47.4	
9.6		56.2	8.0	
9.8		56.6	40.9	
5.1	9	9.2	8.2	5.5 GSπ/β
9.4		9.7	26.5	
9.8		17.2	37.0	
9.6		22.2	6.9	
9.8		26.2	2.4	
9.0		26.2	29.1	9.5
9.8		27.7	25.0	
9.8		30.2	22.2	
9.0		31.2	31.7	9.0
9.6		31.7	42.9	
4.7		44.7	33.4	4.2 GSπβ
7.7		48.2	49.3	6.8 GScβ
9.8		52.7	52.3	
9.4		54.2	5.2	
9.6		55.7	26.0	
9.6		56.2	25.0	
9.5		57.7	16.3	
	+1	0.9	−2.5	

1921—1980.

mag.	7h. m	s	−26° ′	
9.4	10	5.7	57.0	
9.8		7.7	39.4	
9.8		21.7	57.4	
9.8		25.7	26.1	
8.7		34.2	38.2	8.8 a
9.8		39.2	14.9	
9.8		41.7	4.9	
9.6		43.7	52.6	
9.2		48.2	22.6	
9.8		50.2	17.7	
9.8		51.6	29.5	
9.4		52.2	39.1	
9.4		53.1	56.6	
8.0	11	2.2	36.2	8.2 Gb
9.6		5.7	21.7	
9.0		9.7	23.5	
9.5		9.7	26.0	
9.4		13.7	47.5	
9.8		19.0	27.0	
9.8		19.5	48.0	
9.0		21.0	47.5	
9.4		22.5	44.1	
9.8		23.0	32.2	
9.4		27.5	49.0	
9.4		33.0	41.4	
9.8		39.5	58.2	
9.8		41.0	21.2	
9.8		41.0	54.1	
9.6		42.0	56.2	
9.7		47.5	43.0	
9.6		50.0	51.1	
9.0		51.0	56.1	
9.6	12	0.5	32.1	
9.5		1.0	34.7	
9.4		1.5	39.5	
9.6		6.0	53.8	
9.4		8.0	11.0	
9.3		11.5	29.9	
9.2		15.5	52.7	
9.4		19.5	15.8	
9.1		36.0	27.0	8.5 a
6.9		43.5	34.4	7.0 Ga
9.8		55.5	11.3	
9.3	13	2.5	40.0	9.0
9.8		9.5	7.6	
9.3		11.5	20.1	
9.6		31.5	38.8	9.5
9.8		37.5	19.0	
9.5		41.0	14.1	
9.2		41.5	46.5	9.0
8.5		43.0	43.5	9.0
9.4		44.5	53.9	
7.2		45.5	21.5	6.2 GSa
9.0		49.5	23.5	
9.8		50.5	25.9	
9.2		51.0	30.5	
9.6		51.3	7.0	
9.2		51.3	42.8	9.0
9.7		54.3	4.7	
9.6	14	2.3	54.1	
	+1	0.9	−2.6	

1981—2040.

mag.	7h. m	s	−26° ′	
9.3	14	9.3	37.6	9.0
9.5		11.8	21.1	
9.4		12.3	59.5	
9.8		12.3	7.8	
9.4		13.3	14.2	
9.2		17.3	17.5	9.0 a
9.6		21.3	47.8	
8.4		34.3	20.5	8.5 GWa
9.2		39.3	47.0	
9.2		46.3	53.7	
9.8		49.3	52.5	
9.0		51.3	57.8	
9.8		52.3	46.8	
9.4		53.3	42.1	
9.6		56.3	27.2	
9.0	15	3.3	43.9	
9.8		9.3	54.8	
9.6		11.3	54.1	
9.8		11.8	12.2	
9.8		14.3	16.0	
9.2		21.3	51.3	9.0
7.7		27.3	28.3	7.5 GSa
9.6		32.3	57.2	
9.3		32.3	0.1	9.5
9.5		35.3	15.0	
9.7		40.3	56.5	
9.7		41.3	36.4	
9.3		42.3	8.0	
9.7		46.3	10.7	
9.4		47.3	31.6	
9.3		48.3	14.2	
9.4		49.8	55.6	9.0
6.2		51.3	43.8	7.0 GSa
9.6		51.3	4.1	
9.4		55.3	17.9	
9.8	16	4.4	16.9	
9.8		9.3	19.6	
9.7		9.3	13.7	
9.0		12.3	29.1	
9.6		19.3	43.7	
9.7		19.3	5.2	
9.6		20.3	13.3	
9.7		24.3	12.2	
9.8		31.8	15.2	
9.0		34.9	17.7	
9.3		35.3	6.2	9.0
9.8		37.6	11.6	
8.8		38.1	43.8	8.5
9.2		38.3	34.3	
9.6		44.8	10.3	
9.6		47.3	9.4	
9.8		51.8	48.0	
9.6		51.8	22.7	
9.8		54.9	30.2	
9.8		54.9	33.8	
9.6		57.9	11.9	
9.6		58.8	4.2	
8.9		59.0	39.6	9.5
9.5	17	0.9	2.4	
9.8		2.5	21.0	
	+1	1.0	−2.7	

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2041—2100.

mag.	7h. m	s	—26° ′	
9·6	17	3·5	50·8	
9·7		5·5	44·8	
9·6		19·0	21·2	
9·2		19·0	11·1	
9·8		20·3	59·4	
9·8		24·9	31·0	
9·8		30·5	40·1	
8·6		31·9	54·0	8·2 G—
9·8		37·5	23·0	
9·4		39·2	31·0	
8·3		42·0	7·6	8·5 G=
9·4		43·0	44·6	
9·4		50·5	34·5	
8·9		51·0	20·9	8·5
9·5		52·0	14·8	
8·8		53·5	22·9	9·0
9·8		53·7	59·6	
9·3		59·5	49·9	
9·2	18	8·0	7·1	
9·8		8·5	55·4	
9·0		10·0	29·8	
9·0		10·5	8·5	
9·8		15·5	37·2	
9·8		18·7	42·2	
9·8		20·2	33·7	
8·2		23·2	19·1	8·5 –
9·8		26·2	20·7	
9·8		26·7	34·9	
9·7		37·7	18·3	
8·8		40·2	0·4	9·5
9·8		45·2	3·5	
9·8		46·7	22·6	
9·8		54·2	23·3	
9·5		57·2	13·9	
9·3		58·2	11·5	
8·7		59·7	8·1	8·5
9·8	19	2·2	14·9	
9·5		4·7	39·7	
8·8		5·7	59·7	8·5 Ga
9·4		7·2	22·3	
9·8		10·2	46·4	
9·8		13·2	29·8	
9·0		14·2	15·8	
8·6		15·7	21·2	9·5
8·7		28·6	58·6	a
8·2		30·7	26·1	8·5 =
9·6		31·7	30·3	
9·4		33·7	9·1	8·5
9·6		34·7	37·4	
9·3		36·2	15·6	
9·8		38·2	9·9	
9·3		40·2	50·8	
9·3		45·2	24·5	
9·8		46·7	10·7	
9·5		48·7	26·4	
8·8	20	1·7	41·1	
9·8		4·5	59·4	
9·7		7·1	40·4	
9·8		7·6	49·6	
9·5		10·1	59·9	
25pr.	+1	1·1	−2·8	

2101—2160.

mag.	7h. m	s	—26° ′	
9·3	20	11·6	15·2	
9·0		18·1	35·6	
9·8		21·1	52·9	
8·4		27·1	22·7	8·0 GSa
9·6		30·1	22·7	
8·9		31·1	22·2	
9·4		31·6	19·7	
8·6		31·6	1·8	8·7 Ga :
9·8		35·1	14·3	
9·7		35·5	16·5	
9·7		37·6	3·6	
9·0		48·6	7·3	
9·0		51·1	36·3	
9·7		55·6	41·0	
8·5	21	0·1	32·5	7·5 GSa
9·6		0·1	35·8	
9·8		1·6	48·6	
9·7		6·1	36·0	
8·8		14·1	25·1	9·0
9·8		15·1	16·3	
8·4		16·1	47·1	Ga
9·8		25·6	53·5	
9·8		28·1	48·2	
9·7		32·1	55·7	
8·6		34·1	15·7	8·5 –
9·7		39·6	50·0	
9·4		41·1	41·6	
9·8		45·6	38·7	
9·8		47·1	36·4	
9·8		49·7	25·1	
9·8		52·7	28·0	
9·2		55·7	39·5	
9·3		55·7	26·1	
9·5	22	10·2	47·6	
9·8		10·2	22·6	
9·8		11·2	29·2	
9·4		13·7	30·9	
9·8		14·7	1·3	
9·4		19·2	34·5	
9·8		20·2	59·0	
9·7		22·7	21·3	
9·6		28·9	0·1	
8·2		29·2	46·3	8·8 a
9·3		31·2	51·7	
9·8		35·7	53·5	
8·7		40·2	49·4	8·2 Ga
8·3		56·2	35·2	7·0 GSa :
9·8		56·2	6·8	
9·8		56·5	56·9	
9·0	23	0·2	57·8	
8·3		5·2	11·1	8·5 Ga
9·8		12·7	55·3	
9·8		14·2	12·5	
9·8		17·2	49·6	
8·6		20·2	59·4	8·9 a
9·4		22·7	6·5	
8·5		23·2	58·5	8·9 a
9·0		27·7	59·7	9·5
9·6		29·2	41·1	
9·5		29·7	33·1	
	+1	1·2	−2·9	

2161—2220.

mag.	7h. m	s	—26° ′	
8·7	23	30·2	13·8	a
9·0		30·2	11·4	
9·8		30·7	45·8	
9·6		33·2	36·6	
9·5		40·3	59·8	
9·5		54·8	39·7	
9·3		55·8	14·0	
8·5		57·8	43·8	9·0 a
9·7	24	9·4	58·2	
8·7		10·3	23·4	
9·8		11·3	27·3	
9·8		12·8	42·5	10·0
9·6		21·4	58·0	
9·0		35·3	11·6	
9·8		35·3	30·5	
9·5		36·8	33·2	
9·6		42·3	26·8	
9·1		43·3	14·6	
9·2		48·8	27·1	
9·6		59·8	55·1	
9·8	25	3·8	49·6	
9·8		5·3	1·7	
8·8		7·3	5·5	
9·0		9·8	34·8	
9·8		15·3	2·6	
9·3		18·9	59·4	
9·6		21·8	19·0	
9·7		22·8	44·8	
9·4		24·8	49·1	9·5
9·0		25·3	42·8	9·0
9·8		26·3	38·4	
9·7		35·3	27·0	
8·4		37·3	43·4	9·2
9·2		44·8	7·3	
9·3		45·3	42·5	
9·8		45·3	4·8	
9·5		47·3	13·0	
9·2		52·3	9·8	
9·8		55·4	22·5	
9·8		58·8	50·8	
9·4		58·8	51·2	
9·8	26	0·3	3·6	
9·8		3·3	10·4	
9·2		4·8	31·4	
9·3		6·3	25·4	
9·6		8·3	32·6	
9·6		10·3	17·2	
9·5		19·3	9·8	
9·8		24·6	1·0	
9·7		25·8	27·8	
9·0		30·3	15·1	8·5 Ga
8·9		32·8	35·4	8·5
9·8		32·8	55·6	
8·4		35·3	38·2	8·5 =
9·6		36·3	7·0	
9·8		37·3	45·0	
9·5		40·3	44·2	
9·6		40·3	33·4	
9·8		40·3	32·4	
9·3		40·3	21·2	
	+1	1·3	−3·0	

2221—2280.

mag.	7h. m	s	—26° ′	
9·8	26	46·3	26·6	
9·8		46·8	35·2	
9·8		57·3	38·1	
9·4		57·3	17·2	
9·7	27	0·3	26·0	
9·6		5·3	13·1	
9·0		9·3	45·4	
9·6		10·8	33·4	
9·8		14·3	16·4	
9·8		15·3	8·5	
9·8		20·3	17·7	
9·4		20·3	50·6	9·5
9·8		20·8	12·8	
9·8		33·3	27·7	
9·8		35·3	26·0	
9·2		39·3	13·0	
9·5		41·8	33·8	
9·1		43·3	26·8	
9·3		44·3	31·6	
9·8		45·3	5·5	
9·6		45·3	46·4	
9·7		49·3	34·8	
9·4		55·3	35·6	
9·0		56·3	19·2	
9·0		56·8	27·4	
9·8		56·8	48·0	
9·8		59·3	10·6	
9·2	28	0·3	0·8	9·0 a
9·8		8·8	16·0	
8·9		11·3	48·2	8·2 Ga
9·3		13·3	7·0	9·5 a
9·1		17·8	12·4	9·0 a
9·8		23·3	11·8	
9·8		45·3	59·4	
9·8		50·3	29·9	
9·2		51·3	13·8	
9·5		54·3	12·0	
9·8		55·8	34·0	
9·8	29	1·3	23·4	
9·3		4·3	46·7	
9·1		5·3	11·2	9·0 a
9·3		6·8	53·9	9·5
9·8		15·3	16·6	
9·8		17·6	16·3	
9·6		26·1	50·1	
9·4		28·6	48·2	
7·3		30·1	44·5	7·0 GSb=
9·0		33·1	35·3	
9·7		44·1	38·9	
9·7		44·6	56·8	
8·7		50·1	57·7	9·5 b
9·6		52·1	51·8	
9·4		54·6	2·7	
9·0		58·6	13·7	
9·7	30	8·4	59·7	
9·6		12·1	52·3	
9·4		19·6	17·4	
9·3		23·6	20·2	
7·3		26·1	21·3	7·0 Ga
9·8		27·6	27·4	
	+1	1·3	−3·1	

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2281—2340.

mag.	7h. m	s	—26° ′	
9·6	30	36·1	16·3	
9·4		39·1	29·8	
9·5		41·1	13·0	
9·3		41·6	30·1	
9·8		47·1	2·1	
9·6		53·1	35·2	
9·5		54·1	30·3	
9·2		58·6	2·8	9·5
9·4		59·1	31·6	
9·8	31	3·7	1·9	
9·6		4·6	19·4	
9·8		7·1	50·6	
9·8		8·6	49·7	
9·6		10·1	5·2	
9·8		16·0	34·2	
9·2		25·5	2·2	
9·8		26·0	25·1	
9·3		30·0	59·8	
9·8		30·0	23·7	
9·8		30·5	17·8	
9·8		33·0	7·0	
9·4		36·0	53·8	
9·4		42·5	12·7	
9·0		51·5	17·8	
9·5		55·0	55·1	
8·4		56·0	32·1	7·0 GSbt
9·8	32	5·0	4·5	
9·8		7·5	4·5	
9·5		12·0	50·9	
9·5		12·0	51·7	
9·8		17·5	14·6	
9·8		20·0	37·2	
9·8		22·0	37·2	
9·3		24·5	24·5	
9·6		25·0	53·2	
9·4		25·0	19·2	
9·3		28·0	7·1	
9·8		33·0	7·8	
9·6		34·5	31·7	
9·7		42·0	30·7	
8·6		47·5	57·4	8·8 a
9·0		53·0	20·7	
9·2		55·0	26·6	
9·8	33	2·9	23·0	
9·8		3·1	59·1	
9·4		3·4	0·0	9·0
9·8		3·9	43·5	
9·4		4·4	53·6	
9·8		5·4	30·0	
9·8		6·9	28·3	
9·7		9·9	50·8	
8·1		9·9	36·9	–
8·8		11·9	52·1	8·5 Ga
9·8		14·1	0·8	
9·6		15·4	22·3	
9·3		15·9	54·2	
9·3		20·9	2·0	
9·5		22·4	27·1	
8·4		23·9	18·7	
9·5		24·4	23·7	
25pr.	+ 1	1·5	− 3·3	

2341—2400.

mag.	7h. m	s	—26° ′	
7·8	33	30·4	2·2	7·5 G–
9·0		37·4	15·2	
8·8		39·9	4·8	
4·6		42·4	31·2	4·0 GStπ
9·5		46·9	21·8	
9·6		49·9	25·7	
9·8		59·9	27·3	
9·8	34	0·9	59·9	
9·6		9·4	38·8	
8·7		9·9	8·4	9·0
9·4		13·4	50·4	
8·7		13·9	24·0	8·5
9·4		15·4	34·6	G
9·3		19·9	11·8	
7·1		19·9	34·6	7·0 GSat
7·1		22·9	38·0	7·0 GSat
9·8		24·9	20·1	
8·8		26·9	11·3	8·5
9·7		29·9	35·1	
9·7		33·9	10·9	
9·5		40·1	1·0	
9·3		45·4	59·2	
9·4		45·9	38·2	
9·3		48·9	20·6	
9·4		50·9	37·1	
9·4		53·4	46·5	
9·8		54·9	25·2	
9·8		57·9	16·9	
9·8	35	0·4	52·4	
9·4		0·9	17·9	
9·8		4·9	18·6	
8·3		9·9	18·1	8·0 Ga
9·6		20·4	30·8	
9·8		21·9	16·9	
9·2		29·9	20·1	
9·4		34·9	48·4	
9·8		34·9	47·1	
9·8		38·9	52·1	
8·8		42·4	3·9	9·0 Ga
9·4		44·9	33·1	
9·8		45·9	29·9	
9·4		45·9	37·9	
9·5		49·9	40·3	
9·0		54·9	53·7	8·5 a
9·4		59·9	31·4	
9·4	36	1·9	32·9	
8·9		4·9	42·1	a
9·7		5·4	5·6	
9·4		6·9	33·3	
9·8		7·4	21·1	
9·6		8·9	0·8	
9·4		9·4	27·9	
9·7		12·9	41·2	
9·7		12·9	16·6	
9·8		15·9	20·0	
9·8		16·9	45·8	
9·8		19·9	47·2	
9·6		25·9	36·3	
9·8		26·9	16·9	
9·8		26·9	48·0	
	+ 1	1·6	− 3·4	

2401—2460.

mag.	7h. m	s	—26° ′	
7·7	36	33·4	56·6	7·8 Ga
9·8		34·9	44·7	
9·4		34·9	47·5	
9·7		34·9	26·3	
9·4		35·9	14·8	
9·8		35·9	39·0	
9·7		38·4	6·8	
9·0		38·9	57·4	
9·8		39·4	52·6	
9·8		39·9	24·0	
9·4		41·4	50·6	
9·6		43·4	7·0	
9·8		44·9	24·4	
9·8		45·9	55·5	
9·6		47·9	24·3	
9·6		49·9	3·6	
8·9		50·9	11·4	9·0
9·3		52·4	42·1	
9·3		52·9	3·5	9·5
9·4		54·9	28·6	
9·6		54·9	55·8	
9·8		57·4	4·7	
9·8	37	1·2	0·9	
9·3		8·9	32·1	
9·4		9·9	16·4	
7·7		12·9	53·4	8·0 Ga
9·8		17·4	6·9	
9·4		19·9	43·1	
9·4		24·9	35·3	
9·7		24·9	36·0	
9·7		25·4	9·9	
9·4		25·9	51·6	
9·5		29·9	39·0	
9·5		31·9	37·9	
9·5		32·9	51·1	
9·0		34·9	7·7	9·5
9·3		34·9	18·9	
7·3		38·4	3·4	6·5 GSπβ
8·9		38·9	36·9	9·0
9·8		49·4	46·1	
9·8		49·9	9·3	
9·8		51·4	50·6	
9·7		54·9	36·6	
9·7		55·9	41·0	
9·8		57·4	20·6	
9·8		57·4	21·2	
9·3		57·9	51·3	9·0 Ga
9·7	38	4·9	36·1	
9·2		6·9	14·3	
9·4		8·4	41·3	
9·6		9·9	13·8	
9·8		12·9	55·1	
9·4		12·9	6·0	
9·4		16·9	0·0	
9·7		20·9	11·9	
9·6		22·9	10·6	
7·8		25·4	53·0	8·0 Ga
9·6		25·4	44·7	
9·8		27·4	9·9	
9·0		28·9	35·4	9·0
	+ 1	1·6	− 3·4	

2461—2520.

mag.	7h. m	s	—26° ′	
9·8	38	29·0	1·3	
9·8		31·0	8·1	
8·5		32·0	56·2	8·0 Ga
9·8		37·0	30·1	
9·6		40·0	44·2	
9·6		44·0	36·2	
9·5		45·0	18·8	
9·8		52·0	28·0	
8·8		55·8	57·7	9·5 a
9·0	39	1·3	4·1	
9·8		2·8	19·6	
9·1		5·0	25·9	
8·4		5·0	23·6	9·0 Ga
9·6		6·1	12·8	
9·6		9·3	13·0	
9·8		10·8	37·2	
9·4		14·3	18·3	
9·8		17·3	2·1	
9·8		18·3	40·0	
9·8		19·0	15·6	
9·7		20·0	50·8	
9·0		20·0	21·9	
9·4		22·8	26·7	
9·8		25·5	7·9	
9·6		27·8	36·7	
8·9		28·0	38·7	
9·8		28·0	51·7	
9·6		28·8	35·7	
9·0		29·0	27·8	9·0 a
9·8		29·3	19·1	
9·8		31·0	42·8	
9·0		33·0	19·5	a
9·8		33·0	0·2	
9·9		33·1	7·1	
9·5		34·5	44·0	
9·9		39·5	9·1	
9·9		41·6	42·4	
9·5		42·3	8·9	
9·9		43·1	56·3	
9·4		43·3	6·9	
9·9		49·1	38·6	
9·0		49·3	35·6	9·0
9·5		54·6	10·6	
9·9		57·6	34·5	
9·9		58·6	35·8	
9·9		59·1	16·7	
9·4	40	1·3	15·3	
9·4		1·8	40·4	
9·6		1·8	51·3	
9·9		7·1	21·8	
9·9		9·1	31·7	
9·9		9·1	24·3	
9·5		11·6	13·2	
9·6		14·1	13·7	
9·6		18·1	27·7	
9·5		20·6	3·0	
9·9		21·1	40·9	
9·9		23·1	21·5	
9·9		25·6	4·9	
9·9		27·4	58·1	
	+ 1	1·7	− 3·5	

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2521—2580

mag.	7h. m s	−26° ′	
9·0	40 28·1	54·6	9·0 Ga
8·6	29·1	30·3	9·0 a
9·5	29·1	52·5	
9·5	32·6	26·6	
8·5	39·1	11·3	9·0
9·9	40·1	30·5	
9·4	45·1	22·9	
9·1	48·1	28·3	9·0 a
9·1	49·1	40·7	8·5 Ga
9·5	49·1	4·9	
9·5	54·1	6·1	
9·5	55·5	57·0	9·0 a
9·7	58·1	32·3	
9·6	41 0·1	34·4	
8·6	2·1	34·6	9·0 a
9·4	2·6	21·9	
9·9	3·6	3·4	
9·9	6·1	2·9	
9·5	12·1	31·4	
9·6	14·1	58·9	
9·7	14·1	26·3	
9·7	14·6	34·0	
8·2	15·1	5·1	8·2 Ga
9·5	19·1	7·8	
9·1	19·1	14·0	
9·6	21·6	46·3	
9·4	22·1	52·8	
9·1	24·1	1·6	
9·6	24·6	45·1	
9·9	25·1	47·1	
9·9	27·1	6·0	
9·4	27·6	23·3	
9·9	33·6	45·1	
9·9	33·6	44·2	
9·2	34·1	31·9	
9·5	35·6	29·5	
9·1	38·7	57·2	
9·9	39·1	0·9	
9·9	39·1	19·6	
9·0	41·1	34·0	
9·7	43·1	33·4	
9·5	47·7	59·3	
9·0	49·1	7·5	9·5
9·2	49·6	15·2	G
9·9	51·3	59·4	
9·8	55·6	10·9	
9·5	58·1	37·2	
9·6	42 3·6	25·7	
8·6	4·1	16·0	9·0 Ga
9·5	8·1	7·4	
9·8	13·1	33·8	
9·9	14·1	2·3	
9·0	22·1	52·0	9·5
9·3	23·1	21·2	
8·8	23·1	22·3	9·5 a
9·9	24·1	27·0	
9·1	25·1	56·3	
9·9	29·1	53·8	
9·4	37·6	56·6	
9·6	39·1	58·5	
25pr.	+1 1·7	−3·6	

2581—2640.

mag.	7h. m s	−26° ′	
9·1	42 40·1	8·4	
9·9	40·6	0·8	
9·4	45·1	27·0	
9·5	48·1	3·5	
9·9	52·6	25·9	
9·9	53·6	37·2	
9·7	57·1	24·6	
9·9	57·6	20·0	
9·9	58·1	2·6	
9·7	59·1	57·0	
9·8	59·1	10·4	
9·2	43 1·6	8·2	
9·0	4·1	52·5	9·0
9·3	7·1	25·5	
9·7	7·1	6·0	
9·7	9·1	17·5	
9·9	11·1	17·1	
9·6	11·1	43·9	
9·7	12·1	53·7	
9·2	12·7	0·5	
9·9	16·1	46·0	
8·8	18·1	32·4	9·0 b
8·6	25·1	44·1	8·5 Wa
8·5	27·6	41·0	8·5 GWa
9·6	29·1	20·2	
9·5	29·1	44·1	
9·5	32·1	14·6	
9·9	33·1	39·1	
9·5	34·1	14·0	
8·6	36·1	18·3	a
9·5	39·1	41·1	
9·9	44·6	16·6	
9·9	45·1	3·5	
9·6	48·6	20·0	
9·1	49·1	35·8	
8·7	49·1	14·0	9·0 Ga
9·5	50·6	13·6	
9·2	58·8	59·1	9·5
9·6	59·1	29·1	
9·7	44 1·1	28·3	
9·9	4·1	12·8	
9·7	5·1	35·7	
8·9	9·1	16·6	9·0 a
9·8	11·1	21·5	
9·7	15·1	4·6	
9·0	17·6	1·7	
9·9	18·9	35·6	
9·6	19·1	10·1	
9·3	21·6	15·9	8·5 a
9·5	21·6	54·8	
9·4	24·1	40·4	
9·9	26·1	27·0	
9·9	26·6	20·5	
9·7	27·6	28·9	
9·0	29·1	41·7	
9·9	29·1	22·1	
9·7	30·1	23·2	
9·1	32·1	50·4	
9·8	33·6	21·0	
9·5	34·1	25·0	
	+1 1·8	−3·7	

2641—2700.

mag.	7h. m s	−26° ′	
9·7	44 34·1	13·9	
9·3	35·1	49·2	
9·8	35·1	21·8	
9·6	36·2	12·9	
9·7	42·6	56·6	–
9·8	48·1	25·2	
9·4	50·1	17·7	
9·5	54·1	18·5	
9·5	59·1	52·1	
9·0	59·6	13·0	
9·8	45 0·6	10·0	
9·9	1·0	2·3	
9·5	3·1	18·3	
9·9	6·6	41·4	
8·4	8·1	14·7	8·5 Ga
9·6	10·2	56·2	
9·4	12·7	56·8	
9·7	13·2	40·5	
9·6	15·2	22·7	
9·4	19·7	16·6	
9·5	20·2	36·5	
9·5	25·2	22·9	
9·2	30·7	49·4	
9·5	32·7	27·8	
9·4	34·2	32·9	
9·9	37·2	15·2	
9·5	39·2	12·8	
9·2	39·2	17·3	
9·9	41·2	20·8	
9·7	41·2	31·6	
9·9	41·2	56·2	
9·9	42·2	16·6	
9·8	44·2	29·0	
9·9	46·2	13·7	
9·7	51·7	53·7	
9·1	54·7	43·4	
9·9	56·2	47·1	
9·3	57·2	42·8	
9·5	57·7	39·7	
9·6	59·2	50·8	
9·5	46 10·2	36·0	
9·8	19·2	4·0	
9·6	20·2	35·9	
8·8	26·2	54·4	9·2
8·8	30·7	20·6	
9·6	30·7	56·1	
9·7	31·7	21·1	
9·4	34·2	22·6	
9·2	39·2	34·6	–
9·0	39·2	10·5	
9·9	41·7	57·9	
9·6	42·2	20·2	
9·2	49·2	58·4	9·0
9·0	58·2	25·0	
9·8	47 3·2	4·8	
9·9	4·2	39·0	
9·7	6·2	4·3	
8·8	9·2	6·5	9·2 GW
9·9	15·2	26·6	
9·6	15·7	20·0	
	+1 1·9	−3·7	

2701—2760.

mag.	7h. m s	−26° ′	
9·6	47 21·7	50·9	
9·4	23·2	47·6	
9·5	24·2	2·8	9·5 G
9·7	25·2	3·4	
9·4	27·7	37·2	
9·9	28·2	31·7	
9·9	38·2	10·2	
9·7	39·2	9·0	
9·2	40·9	0·5	
9·7	44·2	1·1	
9·5	44·2	9·3	
9·7	46·2	17·5	
9·7	50·7	8·0	
9·9	51·7	2·3	
9·6	52·2	8·0	
9·0	52·7	47·6	
8·0	54·2	5·5	8·0 W–
9·7	54·2	9·4	
9·8	59·0	59·0	
9·9	48 1·2	19·5	
9·6	6·7	42·7	
9·9	9·7	36·9	
9·9	10·7	30·9	
9·7	12·2	54·1	
9·8	15·2	53·7	
9·5	18·2	7·1	
9·7	23·7	31·7	
9·4	24·2	43·2	
9·6	25·7	38·0	
9·5	25·8	49·7	
8·0	26·6	57·4	8·0 Ga
9·9	26·8	29·8	
9·0	29·3	7·3	
9·9	29·8	25·1	
9·9	34·3	57·9	
9·9	39·2	20·0	
9·5	41·8	42·2	
9·9	46·2	9·3	
8·6	47·7	1·4	7·2 GW–
9·9	49·8	58·0	
9·9	50·2	12·2	
9·5	52·3	3·6	
9·0	49 4·3	40·5	
9·4	5·3	7·4	
9·9	7·8	52·1	
9·9	9·3	47·4	
9·9	9·3	41·7	
9·5	10·3	41·7	
9·9	11·0	1·8	
9·8	13·8	1·0	
8·7	15·3	55·2	a
9·9	19·3	58·9	
9·8	20·3	18·7	
9·9	22·3	52·2	
9·7	24·3	2·8	
9·7	26·3	32·9	
9·3	27·3	26·4	
9·4	29·3	6·0	
9·7	38·8	47·8	
9·7	40·3	2·5	
	+1 1·9	−3·8	

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2761—2820.

mag.	7h. m	s	—26° ′	
9.7	49	40.3	24.6	
9.9		40.8	27.4	
9.7		44.3	18.8	
9.7		46.3	16.1	
9.0		49.3	8.4	8.5 GW—
9.5		49.3	40.9	
9.5		49.3	18.9	
9.0		49.5	57.0	
9.5		59.3	45.4	
8.2	50	4.4	5.7	8.0 GW—
9.7		6.1	57.9	
9.9		10.4	19.9	
9.6		15.9	25.1	
9.7		18.9	10.6	
9.8		20.4	37.1	
9.9		22.6	57.6	
9.9		25.4	59.5	
9.8		28.4	37.4	
9.9		29.4	34.9	
9.8		29.4	29.0	
9.9		29.4	18.5	
9.4		34.4	7.0	
9.9		34.4	57.9	
9.6		37.9	54.3	
8.8		39.4	46.9	8.0 G—
9.9		45.2	0.0	
9.6		46.4	43.6	
9.8		49.9	51.0	
8.2		54.4	23.5	8.0 G—
8.8	51	2.4	44.8	9.0 G
9.8		4.4	33.6	
9.2		8.4	44.0	9.0 G
9.7		17.9	32.6	
9.8		20.9	11.9	
9.9		24.4	57.4	
9.7		25.6	57.7	
9.6		26.4	30.0	
9.5		29.4	3.8	9.5
9.6		32.4	28.6	
9.8		41.6	26.8	
9.4		49.4	50.4	
9.3		50.1	57.8	8.5 —
9.6		53.7	1.8	
9.4		54.4	48.3	
9.9		55.4	52.4	
9.9		57.9	50.9	
9.6		59.4	36.3	
9.6		59.4	7.0	
9.5	52	4.4	20.6	
9.9		5.4	9.0	
9.5		6.4	44.6	
9.7		9.4	34.7	
9.9		12.4	36.2	
9.7		13.4	32.1	
8.7		13.9	36.2	9.0
9.6		14.4	6.8	
9.4		14.4	46.2	9.5
9.8		17.9	53.4	
9.5		23.4	15.6	
9.2		23.4	38.2	
25pr.	+1	2.0	—3.9	

2821—2880.

mag.	7h. m	s	—26° ′	
9.7	52	29.4	17.8	
9.1		30.4	45.0	
9.7		36.4	18.8	
9.7		39.4	10.0	
9.9		43.9	50.6	
9.6		47.9	15.2	
9.9		48.9	53.8	
8.8		49.4	3.2	9.0 a
9.9		49.4	10.8	
9.9		51.9	44.4	
9.4		54.2	59.5	
9.4		54.4	17.4	9.0 G
9.9	53	0.4	45.0	
9.8		2.4	21.7	
9.4		14.4	49.5	
9.7		18.9	6.1	
9.4		19.4	18.8	
9.4		19.4	13.8	
9.0		22.9	33.2	
9.5		23.4	12.6	
9.6		26.9	8.7	
9.7		30.4	36.5	9.5
9.9		31.4	38.0	
9.9		31.9	57.1	
9.7		39.4	31.0	
9.0		41.4	12.8	
9.8		41.7	21.4	
9.9		46.2	26.4	
9.8		49.2	1.4	
9.5		50.7	34.0	
9.7		50.7	6.6	
9.8		59.2	34.2	
8.5	54	1.2	45.4	8.5 Ga
9.7		1.2	51.0	
9.4		10.2	30.2	
9.5		12.1	58.0	
9.7		13.7	59.9	
9.4		15.2	55.2	
9.0		17.2	34.0	
9.9		21.7	47.6	
9.9		22.7	4.8	
9.9		22.7	48.3	
8.8		24.2	51.8	8.0 Ga
9.7		26.2	16.0	
9.9		28.7	30.2	
9.2		34.2	31.2	
9.9		34.2	5.6	
9.9		36.2	46.0	
9.9		36.7	49.4	
9.0		38.9	56.7	8.2 Ga
9.9		42.7	22.6	
9.8		45.7	21.8	
9.9		47.2	1.4	
9.2		47.7	18.4	
9.7		49.2	3.4	
9.5		56.4	57.0	9.5
9.3		57.2	42.8	
9.3	55	1.7	17.2	9.5 a
9.6		3.2	38.1	
9.2		5.2	17.6	
	+1	2.2	—4.0	

2881—2940.

mag.	7h. m	s	—26° ′	
8.8	55	6.7	14.8	8.0 Ga
9.0		9.2	9.6	9.5
9.9		13.2	5.0	
9.7		18.2	41.1	
9.5		18.2	16.7	
9.6		18.7	17.0	
9.9		19.2	24.8	
9.5		21.7	20.1	
9.4		23.7	23.4	
9.9		25.2	32.4	
8.8		28.2	29.2	8.5 G
9.4		30.7	43.8	
9.9		42.2	42.6	
9.6		43.2	3.6	
8.8		44.2	53.0	9.0 Ga
8.8		48.2	20.9	9.0
9.7		49.2	6.8	
9.9		53.2	10.7	
9.8		55.2	17.2	
9.7		57.2	33.6	
9.7	56	2.2	42.3	
8.5		6.2	43.0	8.8 Ga
9.8		6.2	20.8	
9.7		8.7	38.8	
9.0		12.2	15.2	9.5
9.6		12.7	55.4	
9.9		15.2	17.0	
9.9		18.2	23.8	
9.5		22.7	25.1	
9.0		25.2	34.6	9.0
9.6		25.2	59.6	
9.9		28.7	20.4	
9.5		39.2	50.2	
9.4		39.2	56.1	
9.6		39.7	34.4	
9.3		40.7	14.6	
9.5		42.7	21.0	
9.6		42.7	14.5	
9.9		45.2	1.8	
7.4		47.7	52.2	7.5 GSa
9.5		48.7	31.6	
9.7		50.2	7.0	
8.2		54.2	54.4	8.2 a
9.3		54.2	12.8	
9.5		54.2	55.1	
9.6		54.7	26.2	
9.0		57.7	7.1	8.5 a
9.2		58.7	26.0	
9.8		59.2	12.5	
9.9		59.2	12.8	
8.8		59.4	2.4	9.0 a
9.9	57	5.3	55.1	
9.9		9.2	57.2	
9.6		9.2	50.2	
9.7		12.7	21.0	
9.5		14.7	34.8	
9.7		15.1	57.8	
9.4		16.2	32.5	
9.6		18.2	49.8	
9.5		25.2	58.8	
	+1	2.2	—4.1	

2941—3000.

mag.	7h.–8h m	s	—26° ′	
9.4	57	26.7	47.0	9.0
9.8		27.2	25.8	
9.3		34.3	12.3	9.0 G
9.8		34.7	57.4	
9.6		36.2	48.3	
9.5		37.2	21.1	
9.5		40.2	9.2	9.0 G
9.8		40.2	12.4	
9.7		44.2	51.8	
9.0		45.2	56.6	9.5
9.5		54.2	3.1	
9.2		59.7	7.7	
9.2	58	2.2	24.9	
9.5		5.2	2.8	
8.8		5.2	55.3	8.2 Ga
9.0		13.7	28.3	
9.5		15.1	57.7	9.5
9.1		16.7	18.7	
9.9		18.2	21.0	
9.4		18.9	58.9	9.0 a
9.5		23.2	21.6	
9.4		24.7	55.9	9.5
9.5		25.7	7.7	9.0
9.5		26.2	8.0	
9.4		28.2	13.2	
9.0		32.2	41.8	9.0
9.0		36.7	49.7	
9.9		37.2	35.1	
9.0		39.2	57.9	a
9.9		44.2	31.8	
8.0		49.7	37.4	8.0 Ga
9.4		54.2	12.4	
9.9		54.2	26.1	
9.4		56.2	39.5	9.0
9.9		59.2	22.0	
9.9	59	1.2	18.0	
9.4		5.2	20.2	
9.5		14.2	48.9	
9.6		16.2	8.1	
9.5		20.2	45.8	
9.0		24.2	17.0	8.5 a
9.5		36.2	9.2	
9.2		37.7	9.3	
9.9		37.9	58.6	
9.0		42.2	18.0	9.5
8.8		43.7	9.7	8.5 a
9.9		48.2	42.1	
9.8		52.2	53.0	
9.7		57.2	53.0	
9.9	0	1.1	58.9	a
9.5		4.2	50.6	
9.9		4.7	31.0	
9.5		6.7	32.0	
9.0		9.2	24.3	8.0 Ga
9.3		11.7	38.6	
9.0		13.7	26.7	
9.4		14.2	19.8	9.0
9.7		15.7	47.6	
9.9		17.7	22.5	
9.7		20.2	3.3	
	+1	2.4	—4.1	

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3001—3060.

mag.	8h. m s	—26° ′	
9·6	0 21·2	49·4	
9·6	21·2	51·1	
9·9	26·2	47·9	
9·7	27·7	43·4	
9·4	36·2	39·0	
9·7	38·2	4·1	
9·6	39·2	8·0	
9·9	44·2	11·0	
9·8	44·2	42·4	
9·2	44·2	27·7	9·0
9·7	49·2	48·9	
9·2	49·2	20·5	
9·5	51·2	51·6	
9·9	53·2	20·0	
9·0	54·7	21·2	
9·7	54·7	28·1	
9·9	1 1·2	40·5	
9·9	5·7	14·0	
9·9	7·2	6·9	
9·2	7·4	57·9	
9·7	12·2	27·3	
9·6	13·2	52·9	
9·5	16·2	47·3	
9·9	16·2	29·2	
9·9	16·7	14·4	
9·9	18·2	18·9	
9·9	19·2	43·3	
9·5	19·2	4·2	
9·9	26·2	43·4	
9·4	27·5	6·1	
9·0	35·2	46·3	9·5
9·9	35·2	3·3	
7·5	40·2	45·2	7·5 GSa
9·7	41·5	47·9	
9·1	43·3	44·3	9·0 a
9·9	44·2	42·5	
9·5	45·2	9·5	
9·7	50·2	59·5	
9·0	50·2	32·7	a
9·7	56·5	15·4	
9·4	2 2·8	28·0	
9·4	6·1	1·7	9·0 a
9·9	8·7	34·9	
9·6	9·2	54·2	
9·9	9·8	32·1	
9·7	11·0	54·3	
9·8	19·2	41·9	
9·8	19·5	15·8	
9·9	22·2	23·7	
8·8	29·0	1·0	8·5 a
10·2	30·3	21·1	
9·7	35·3	54·5	
10·1	36·3	23·7	
10·2	37·8	50·7	
9·5	43·1	15·7	
9·5	47·6	53·5	
10·2	58·6	50·2	
10·2	3 2·1	24·9	
9·1	2·1	46·1	9·0
9·8	4·1	36·2	
25pr.	+1 2·5	−4·2	

3061—3120.

mag.	8h. m s	—26° ′	
8·7	3 11·6	11·7	9·5
9·5	17·1	46·6	
9·7	19·6	21·0	
9·6	25·1	19·2	
10·1	27·6	47·5	
10·2	30·1	56·6	
9·7	33·1	47·0	
9·1	33·1	53·5	
9·2	47·6	18·2	
9·6	51·6	49·9	
9·3	52·6	21·8	
9·5	52·6	51·2	
10·0	54·6	55·8	
10·2	4 2·6	59·1	
10·2	6·3	57·9	
9·7	14·1	51·2	
10·2	19·6	44·2	
10·0	22·6	30·8	
10·0	25·1	12·9	
8·9	28·6	42·5	
8·6	28·6	45·9	Ga
9·7	30·1	46·1	
9·0	32·6	31·7	9·0
9·1	35·1	8·8	9·5 a
9·7	37·8	0·0	
9·5	39·1	55·2	
9·7	40·6	42·1	
9·3	41·1	45·9	
10·2	41·1	3·6	
9·5	41·1	47·0	
9·8	45·1	47·6	
9·6	52·1	14·3	
9·2	52·1	56·3	9·5
9·5	53·6	47·1	
9·8	57·6	11·6	
10·2	5 0·1	7·9	
9·8	1·1	32·4	
10·2	5·1	37·3	
8·9	8·1	9·9	8·5 a
10·1	8·1	46·9	
10·0	10·1	41·1	
9·7	14·1	24·6	
10·2	15·1	25·0	
8·8	15·1	31·9	8·5 a
10·1	15·1	20·6	
10·1	18·6	45·7	
10·2	19·1	43·8	
9·6	19·6	59·0	
10·2	20·1	44·0	
9·1	20·1	47·1	
10·1	20·6	3·4	
9·5	26·4	42·2	
10·1	28·1	37·9	
9·5	28·6	37·0	9·0
9·6	29·6	39·5	
10·1	30·6	22·1	
10·2	32·6	35·6	
9·8	35·1	35·1	
10·2	41·1	31·7	
9·2	41·6	53·8	
	+1 2·6	−4·3	

3121—3180.

mag.	8h. m s	—26° ′	
9·6	5 42·6	37·9	
8·6	45·1	39·3	9·0 a
10·2	48·1	49·4	
10·2	49·6	3·1	
9·5	50·1	38·7	9·0
10·0	50·4	39·8	
10·2	51·6	1·3	
10·0	53·1	3·6	
9·8	54·1	39·3	
10·1	54·1	45·2	
10·1	54·6	29·1	
9·2	55·1	37·4	9·0 a
9·5	58·1	30·9	9·0
9·2	59·6	54·8	
9·7	6 0·3	5·6	
9·8	4·3	0·2	
9·7	5·3	44·9	
9·2	9·8	16·3	
9·6	12·3	42·0	
10·1	18·8	2·2	
9·3	20·3	12·8	
9·8	25·3	29·8	
9·3	35·3	50·1	
9·7	35·3	46·3	
9·6	36·8	42·6	
8·5	38·8	44·1	9·0 a
10·1	38·8	17·1	
9·5	40·3	32·3	
9·3	7 0·3	34·9	
9·8	0·3	41·9	
9·8	1·3	36·2	
9·3	3·3	53·5	9·2
9·8	5·3	18·0	
10·2	18·8	36·2	
10·0	18·8	25·7	
9·8	18·8	0·1	
10·2	21·3	46·8	
9·3	32·3	55·9	
10·2	33·8	55·6	
9·8	41·8	40·6	
9·6	42·3	47·1	
9·3	44·3	19·6	
10·2	47·8	36·9	
10·0	55·8	55·0	
9·7	8 0·3	30·7	
9·7	0·3	29·3	
9·1	12·3	57·3	9·5
10·2	13·3	33·7	
9·8	14·3	32·0	
10·0	30·0	7·0	
10·0	42·0	0·7	
9·6	56·0	16·9	
10·1	59·0	40·6	
10·2	9 2·2	2·2	
9·9	6·5	10·4	
10·2	6·8	2·2	
9·8	9·0	19·9	
9·3	11·0	28·9	
10·1	12·0	29·4	
10·2	14·0	34·0	
	+1 2·6	−4·4	

3181—3240.

mag.	8h. m s	—26° ′	
9·8	9 20·5	17·9	
9·8	22·5	9·9	
9·5	25·5	33·8	
9·7	25·5	55·8	
9·1	30·0	20·6	
10·2	30·5	14·4	
9·7	35·5	20·5	
9·5	35·7	2·0	
9·2	37·0	34·6	
10·1	40·0	0·5	
8·8	40·2	3·0	9·0
9·8	45·5	14·0	
10·0	45·5	14·3	
9·7	46·0	24·8	
9·6	50·5	49·3	
9·8	51·0	12·2	
9·2	51·5	45·2	9·0 G
9·7	55·5	40·2	
10·0	58·0	48·7	
9·6	59·5	16·4	
10·2	59·5	26·4	
10·1	10 0·5	10·9	
9·2	5·5	33·9	
9·9	9·0	31·0	
10·2	17·0	2·0	
9·3	25·5	10·3	
10·1	26·5	31·0	
9·4	28·5	17·8	9·0
10·1	37·5	18·7	
10·2	50·5	10·0	
9·5	11 0·0	48·1	
10·2	11·0	7·8	
10·2	14·0	5·6	
10·2	14·0	47·7	
9·3	18·5	27·5	9·0
10·2	19·0	28·0	
9·9	21·8	28·2	
10·0	22·5	36·0	
9·6	25·5	25·1	9·0
9·5	27·0	35·1	
9·3	30·5	34·6	
9·7	31·5	29·9	
10·0	31·5	19·7	
9·9	32·5	42·9	
10·2	34·0	33·4	
8·8	38·5	19·8	–
9·6	45·5	54·5	
9·7	50·5	13·8	
9·8	51·5	26·9	
10·0	53·0	42·6	
9·3	53·5	59·9	9·0
10·2	12 5·5	36·4	
9·7	10·5	9·2	
8·8	14·0	53·2	9·0 –
10·0	20·5	15·8	
10·1	20·5	13·0	
9·3	30·5	35·8	
8·8	31·5	45·1	8·5 G–
10·0	34·8	6·6	
10·2	35·0	43·1	
	+1 2·7	−4·5	

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3241—3300.

mag.	8h. m	s	—26° ′	
9·1	12	35·5	36·3	
9·6		40·0	15·2	
10·2		49·0	45·1	
8·5		54·5	36·7	9·0–
10·1		55·5	21·3	
10·2		55·5	50·1	
10·2		57·5	41·3	
10·1	13	3·0	19·7	
9·8		4·5	31·6	
10·2		4·5	34 9	
9·3		5·0	36·1	
9·5		6·5	34·1	
10·2		8·0	55·8	
9·8		9·5	59·4	
10·2		10·5	52·1	
9·6		14·5	32·1	
9·6		17·5	10·7	
8·6		26·0	14·5	
9·7		26·0	44·1	
10·1		27·0	23·1	
9·6		31·5	1·9	
9·8		45·0	11·5	
8·9		50·5	23·1	9·0
9·0	14	0·5	24·5	9·0
8·6		0·5	33·3	9·0 G
9·6		10·0	8·1	
9·0		10·5	9·0	
9·9		20·5	21·5	
9·1		21·5	19·1	
10·2		26·5	50·7	
9·5		27·0	12·9	
8·6		29·5	41·4	8·0 GW=
9·8		30·5	50·1	
10·1		37·0	44·4	
10·0		40·0	3·1	
9·6		40·8	16·6	
9·6		42·5	29·6	
10·2		45·5	4·5	
8·8		49·0	37·8	9·0
10·1		49·3	58·1	
10·2		53·0	49·7	
9·8		54·0	24·9	
9·6		56·0	22·2	
9·1		56·5	36·3	9·5
10·0		57·5	37·5	
8·6	15	1·5	48·2	–
8·8		5·0	26·7	9·0
10·0		6·8	26·8	
10·0		10·5	45·9	
10·2		18·0	6·4	
8·6		20·5	27·4	9·0
9·7		20·5	56·7	
10·0		28·5	57·9	
9·9		30·0	23·1	
10·1		31·5	25·1	
9·5		34·5	50·5	
10·2		39·5	42·4	
9·6		40·0	11·0	
9·8		44·5	18·5	
9·8		45·5	45·3	
25pr.	+ 1	2·9	—4·6	

3301—3360.

mag.	8h. m	s	—26° ′	
10·1	15	52·5	17·0	
9·5		59·0	30·1	
9·4	16	3·0	55·9	
10·0		8·5	31·5	
9·2		10·5	50·7	
10·2		14·0	58·4	
9·3		20·0	5·3	
9·4		20·5	26·1	
10·2		29·0	35·0	
9·8		32·7	0·9	
10·2		35·5	41·3	
9·8		39·5	49·9	
9·3		40·5	6·0	9·0
9·5		40·5	42·2	
10·2		45·0	15·1	
10·2		50·5	32·2	
9·1		51·5	2·6	9·5
9·2		56·0	47·8	8·2 G–
9·6		59·0	53·3	9·5
10·1	17	1·0	23·9	
10·0		4·0	40·3	
9·8		4·0	30·9	
9·3		10·5	4·8	
10·1		13·0	56·7	
9·7		25·5	11·6	
10·0		25·5	56·2	
10·0		26·5	47·1	
10·2		27·5	47·5	
10·0		30·0	56·4	
9·8		34·0	19·8	
10·0		36·5	37·3	
9·1		40·5	5·3	
10·2		43·5	13·8	
9·8		47·5	52·4	
8·5		48·5	36·8	8·5 G
10·2		55·0	23·2	
9·6		56·5	19·1	
10·0		57·0	22·1	
9·2	18	7·0	14·6	
9·6		9·0	55·9	
9·5		12·2	0·9	
9·6		22·0	6·2	
9·8		31·0	47·8	
9·9		31·5	32·0	
10·0		33·5	19·5	
8·9		35·3	0·1	a
9·1		35·5	55·6	8·8 G–
9·8		38·0	4·4	
9·0		40·0	15·9	
10·2		41·0	38·6	
9·7		47·0	26·9	
10·2		48·5	6·4	
9·9		50·5	50·2	
9·7		50·5	38·7	
9·7		50·5	12·9	
9·9		50·5	36·4	
9·3		51·5	22·2	
9·8		51·7	57·9	
9·5		52·5	47·0	
10·2		55·0	3·8	
	+ 1	3·1	—4·7	

3361—3420.

mag.	8h. m	s	—26° ′	
9·7	18	56·0	14·4	
9·8	19	0·0	45·4	
10·0		18·0	43·1	
9·8		19·0	33·0	
10·2		21·5	48·0	
9·8		21·5	14·1	10·0
10·2		21·8	38·2	
9·9		23·0	48·2	
9·5		23·5	51·8	
10·0		26·0	5·1	
10·2		32·0	41·8	
9·2		32·5	12·1	
9·6		34·0	10·6	
10·2		41·0	54·8	
9·6		43·5	41·2	
10·2		45·0	38·6	
8·8		46·0	35·5	Ga
9·4		53·5	6·6	
9·5		55·5	53·1	
9·3	20	5·0	51·9	
10·2		8·8	54·1	
9·6		15·0	37·8	
9·5		16·0	15·2	9·5
9·6		16·5	5·3	9·0
10·2		21·5	25·0	
9·1		25·0	48·6	
9·7		25·0	53·7	
9·5		25·7	58·0	
9·7		30·0	24·3	
9·5		30·5	47·0	
9·9		30·5	48·7	
9·7		37·5	34·1	
9·1		39·0	1·7	9·5 a
9·4		41·0	29·1	G
8·5		45·5	57·6	8·5 Ga
9·7		50·5	39·1	
10·2		56·0	13·4	
10·2		58·5	51·1	
10·2	21	0·0	8·2	
8·2		1·5	44·2	8·0 GW–
9·2		3·5	25·2	
10·0		5·0	28·5	
10·2		7·5	0·2	
9·6		12·0	2·8	
10·0		16·0	19·5	
10·2		18·5	53·2	
10·2		23·5	42·9	
9·1		23·5	33·1	9·5
9·2		25·0	17·7	
9·3		29·0	29·3	G
9·9		29·5	19·5	
9·9		32·0	8·4	
10·0		32·5	26·8	
9·7		35·7	58·7	
8·7		36·0	30·3	9·0
10·1		44·0	4·6	
9·2		45·0	21·6	
9·1		50·5	48·9	9·5
9·8		53·5	15·7	
9·5		53·5	0·0	9·0 a
	+ 1	3·2	—4·8	

3421—3480.

mag.	8h. m	s	—26° ′	
9·3	21	56·0	25·4	
8·9	22	3·5	7·9	9·2 a
10·2		10·7	29·2	
10·2		14·7	35·6	
10·2		15·7	3·0	
10·1		15·7	29·0	
9·1		19·7	22·3	
9·7		22·7	53·9	
9·7		23·7	19·7	
10·0		35·7	49·6	
10·0		39·7	7·6	
10·2		41·2	14·8	
9·7		45·7	26·1	
9·5		49·7	12·3	
9·7		50·2	22·6	
8·5		50·2	35·3	9·0
9·8		55·2	23·0	
10·2		59·2	50·8	
9·8	23	0·2	41·9	
9·7		9·7	24·0	
10·0		9·7	20·1	
8·8		12·7	27·7	9·0
10·2		13·7	5·4	
10·1		16·7	20·0	
10·2		16·7	28·9	
10·0		20·2	54·9	
10·2		24·7	23·3	
9·7		47·0	28·9	
10·2		50·2	18·1	
9·5		50·2	32·5	
10·1	24	3·7	13·3	
8·9		3·7	30·3	9·0 G
10·1		9·7	36·7	
7·5		12·2	55·1	7·0 GSb–
10·2		14·7	37·1	
10·2		20·2	15·3	
10·2		24·7	25·9	
9·5		25·2	21·7	
9·6		26·3	27·9	
9·2		30·2	47·8	9·0
9·3		30·5	54·5	
10·0		34·7	52·9	
10·2		37·7	49·3	
9·9		41·2	22·4	
9·8		41·7	8·3	
9·5		43·2	38·1	9·0
9·6		49·2	36·9	9·0
8·6		54·2	39·1	8·5 G
9·9	25	2·2	4·2	
10·1		2·7	34·6	
10·2		10·7	39·7	
9·8		18·7	34·3	
9·4		30·1	51·2	
10·0		30·3	59·4	
9·9		30·3	1·1	
10·0		33·6	26·4	
8·4		39·1	15·5	9·0
9·9		47·1	5·0	
9·4		48·6	57·0	
10·0		51·1	3·6	
	+ 1	3·4	—4·9	

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3481—3540.

mag.	8h. m	s	—26° ′	
10·0	25	52·6	56·7	
9·0		54·6	12·4	9·5
9·0	26	5·1	36·2	
9·3		11·6	30·9	
9·7		18·6	45·8	
8·7		21·6	0·4	9·0
9·9		28·6	48·6	
10·0		34·6	4·3	
9·6		38·6	36·4	
8·2		39·6	16·8	9·0 G
10·0		45·1	50·2	
9·1		47·6	23·8	9·5
8·9	27	5·1	26·6	9·0
9·0		9·1	14·2	
8·8		12·1	8·4	
9·9		32·1	54·2	
9·8		35·3	0·8	9·2
9·6	28	3·1	20·4	
9·3		26·1	42·0	
9·3		27·1	15·0	
9·6		40·1	59·3	
9·7		44·6	3·5	
8·0	29	12·8	40·2	7·0 GSb–
9·6		16·3	56·9	
9·4		19·8	8·2	
9·3		21·3	5·5	
8·5		31·8	4·1	9·0 Ga
9·3		33·3	17·8	
9·4		34·8	14·8	
9·6		44·0	1·9	
9·9	30	2·2	2·3	
9·0		4·3	33·1	
9·8		4·8	39·8	
6·9		10·3	24·7	6·5 GSac
9·0		19·8	21·7	
9·0		22·8	34·0	
10·0		30·8	14·5	
9·2		37·8	55·8	
9·9		49·8	21·1	
9·9		55·8	40·7	
10·0		58·8	19·4	
9·7	31	3·3	32·4	
8·9		4·8	40·1	
9·4		12·8	55·4	
9·4		13·3	17·5	
9·1		14·8	19·4	
9·6		19·8	51·0	
9·7		24·8	35·3	
9·0		45·8	27·1	
10·0		54·8	10·2	
10·0	32	1·8	4·4	
9·9		9·8	7·6	
9·4		10·8	9·5	
8·9		24·6	30·3	
10·0		36·6	10·2	
10·0		39·6	56·6	
8·9		43·1	40·9	–
10·0		43·6	59·9	
9·2		44·1	46·9	
10·0		49·1	24·6	
25pr.	+1	3·6	–5·1	

3541—3600.

mag.	8h. m	s	—26° ′	
8·8	32	56·6	12·2	8·5 G–
9·6	33	5·1	39·0	
9·6		5·6	59·2	9·0
10·0		23·1	14·9	
8·7		29·6	47·3	–
9·6		52·1	21·8	
9·6	34	9·6	12·0	
9·4		17·1	22·7	9·0
9·6		17·6	4·0	
9·4		21·4	2·9	
9·7		24·6	6·6	
9·3		29·6	45·1	9·0
10·0		33·1	5·8	
9·8		44·1	31·1	
10·0		44·6	8·0	
8·8		45·6	20·3	a
10·0		54·1	20·7	
9·1		59·6	32·6	
9·4	35	2·6	25·2	
9·2		8·6	20·8	
8·2		9·6	48·9	8·0 Wa
8·8		19·6	56·1	8·5 GWa
10·0		24·6	32·2	
9·3		27·1	38·0	
10·0		27·1	20·4	
9·4		29·6	26·4	
9·4		29·6	51·8	
9·4		44·6	36·1	
9·3		49·5	7·0	
9·4		50·0	31·9	
10·0		52·0	55·2	
9·4		53·0	25·6	
8·9		55·8	59·9	8·5 Ga
9·1	36	6·0	29·6	
9·2		16·0	7·6	
9·2		19·5	12·1	
9·3		39·5	30·3	9·0
9·4		49·0	44·5	
10·0		53·0	9·2	
9·3	37	8·8	58·0	
10·0		20·0	8·3	
9·2		58·0	17·3	9·5
9·9	38	21·0	42·5	
9·3		24·5	51·2	
9·3		24·5	44·0	
9·1		24·5	31·8	9·5
8·4		25·5	12·0	8·5 G
9·3		44·5	32·0	9·0
10·0	39	4·5	2·1	
9·0		9·5	3·8	9·0 a
9·7		24·3	59·5	
9·4		28·5	7·1	
9·3		31·5	56·0	9·0 –
9·3		39·5	9·3	
9·9		40·0	52·8	
9·1		41·5	13·1	9·0
9·6		42·5	22·8	
9·3		59·5	4·7	9·0
9·8	40	9·5	20·0	
9·2		14·5	39·7	
	+1	3·8	–5·3	

3601—3660.

mag.	8h. m	s	—26° ′	
10·0	40	27·5	26·7	
8·4		49·5	9·4	7·2 GSat
9·9	41	4·5	53·4	
8·5		5·0	10·3	8·0 GSa
10·0		23·6	0·0	
9·2		31·5	13·6	
9·4		49·5	18·9	
9·3		54·5	53·1	–
8·8	42	1·0	35·6	9·0 Ga
9·3		2·5	27·7	
10·0		4·3	58·3	
9·0		9·5	1·6	
10·0		22·5	21·2	
9·8		35·5	38·1	
10·0		49·5	23·6	
10·0	43	3·0	39·6	
9·8		4·5	12·5	
9·6		10·0	9·0	
9·6		29·0	52·0	
9·7		30·0	14·4	
9·2		37·5	46·6	
9·2		49·5	38·1	9·0
10·0		50·6	58·3	
10·0		52·6	59·8	
9·9		59·5	49·3	
9·4	44	4·0	17·6	
10·0		9·9	24·7	
8·9		12·5	38·7	9·0 Ga
10·0		49·5	36·8	
9·3		59·0	39·6	
8·8	45	33·5	28·2	9·0
9·3		44·0	31·9	
10·0		48·0	21·6	
9·8		49·5	24·8	
9·8	46	14·5	8·7	
10·0		19·5	23·7	
9·2		23·5	11·3	9·5
9·0		28·0	33·4	
9·8		36·5	12·1	
10·0		39·5	37·0	
9·8		57·8	9·3	
10·0		57·9	30·5	
10·2		59·4	0·9	
10·2	47	2·7	32·6	
10·0		12·2	50·2	
10·2		12·6	59·0	
8·5		20·4	58·5	9·5
8·7		24·7	28·6	9·0 a
10·2		26·8	6·5	
9·9		30·8	30·4	
10·2		41·7	18·4	
9·7		49·2	10·5	
9·8		51·7	8·7	9·5
10·2		57·2	20·1	
10·2		57·2	48·1	
10·0		57·7	14·1	
10·1	48	2·7	46·8	
9·8		3·1	37·2	
10·2		4·7	26·7	
10·2		13·2	10·9	
	+1	4·2	–5·5	

3661—3720.

mag.	8h. m	s	—26° ′	
9·8	48	17·5	51·9	
10·0		28·0	46·6	
8·2		34·8	2·7	8·8
9·8		35·8	0·0	
8·8		39·5	26·6	a
10·2		53·5	52·8	
9·0		53·5	4·3	9·5
10·2		53·5	22·6	
9·8		57·5	59·0	
10·0	49	4·5	51·3	
10·0		20·5	13·8	
10·0		21·5	11·2	
9·5		23·5	8·4	
10·2		27·5	34·4	
10·0		30·5	45·7	
10·0		41·5	43·0	
9·2		52·0	12·0	8·8
10·2	50	2·0	25·6	
9·4		12·5	50·9	
9·8		16·5	11·8	
9·5		25·0	36·1	9·0
8·3		33·5	10·2	8·0 G=
10·2		43·5	41·3	
10·2		44·0	27·8	
9·3		44·0	33·2	
9·8		49·5	8·0	
9·9		52·5	16·8	
10·2		54·0	9·6	
10·2		56·5	56·1	
10·0	51	1·0	15·3	
9·9		1·5	44·2	
9·9		3·7	2·8	9·5
9·6		5·0	5·8	10·0
9·9		5·5	40·7	
9·9		20·0	32·9	
8·8		22·0	31·7	
8·8		30·2	59·1	9·5 a
9·8		46·1	53·6	
10·2		54·1	24·2	
10·0	52	1·1	32·0	
10·2		5·1	39·4	
10·0		15·1	37·8	
10·2		19·1	13·4	
10·2		20·1	16·4	
10·2		21·1	51·4	
10·2		46·1	23·9	
9·3		50·1	19·6	8·8 G
9·4	53	7·6	33·2	
9·1		11·6	20·8	9·5
9·8		12·1	33·8	
9·3		12·1	30·1	
9·8		22·6	3·2	
9·2		24·6	55·6	Ga
9·8		25·1	5·0	
9·8		29·1	18·2	
10·2		42·1	32·9	
9·8		44·1	24·1	
10·0		44·1	25·8	
10·2		56·1	0·7	
10·2		58·1	24·6	
	+1	4·5	–5·7	

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3721—3780.

mag.	8h. m	s	—26° ′	
9·3	54	2·1	12·8	9·5
10·2		16·6	49·2	
10·2		19·6	59·4	
10·2		40·6	50·7	
10·0		49·1	41·3	
9·4		50·1	14·8	
10·2		50·1	58·0	
9·5		57·6	10·8	a
10·2		59·7	58·4	
9·9	55	0·6	52·7	
9·8		0·8	1·2	
10·0		3·1	0·8	
10·2		6·6	7·6	
10·2		8·6	39·9	
10·2		14·1	20·7	
10·2		43·0	12·9	
7·6		46·5	10·4	6·8 GSac
10·0		46·5	11·0	
9·8	56	0·5	9·6	
9·7		3·0	33·8	
9·7		3·0	49·5	9·0
9·9		15·0	7·0	
9·9		15·1	42·2	
9·6		19·0	33·6	
10·2		20·0	36·1	
10·2		21·1	42·2	
10·2		23·0	50·7	
8·0		26·0	5·0	7·0 GSa
10·0		28·0	18·4	
9·8		30·0	6·8	
8·1		31·0	47·7	8·2 G
10·0		34·0	41·6	
9·7		46·5	3·1	
9·0		53·5	23·2	9·0
9·2		55·0	54·5	9·0
9·3	57	8·0	31·7	9·0
10·2		10·1	8·2	
9·2		11·5	42·2	
10·2		14·0	28·9	
10·2		20·0	35·7	
10·2		32·5	34·0	
10·0		36·0	56·0	
9·8		40·5	15·2	
9·6		43·5	6·4	
9·0		46·0	25·5	9·0 G
9·8		50·0	28·5	
10·2		50·5	36·6	
10·2		50·5	11·6	
9·9		51·0	13·7	
10·2	58	9·0	25·0	
10·0		17·5	10·0	
10·2		18·0	7·0	
9·8		24·7	28·7	
10·2		27·7	30·1	
8·4		32·2	13·5	a
10·1		32·7	18·0	
10·2		40·2	27·2	
10·2		45·7	12·8	
10·2		52·2	33·8	
9·8		59·7	52·3	
25pr.	+1	4·8	−5·8	

3781—3840.

mag.	8h.–9h. m	s	—26° ′	
9·5	59	0·7	13·5	
9·9		8·7	54·5	
7·9		10·2	35·5	8·5 GWa
9·4		15·7	21·9	
10·0		17·7	1·9	
10·2		20·2	29·9	
9·8		28·2	35·4	
10·2		28·7	15·0	
9·6		35·2	20·0	
9·8		37·2	9·0	
10·0		41·7	7·5	
10·2		47·7	19·3	
9·3		56·7	36·0	9·0 G
10·2	0	0·2	10·9	
10·0		2·2	5·4	
9·7		5·5	59·2	
9·8		19·7	7·3	9·5
9·7		24·9	57·5	
8·9		26·7	50·0	8·5 a
10·0		39·2	37·0	
9·2		50·2	13·1	9·5
9·2		51·7	13·0	9·8
9·3	1	4·2	42·9	
9·1		14·7	26·1	9·0 –
9·4		23·2	50·5	
9·5		36·7	19·6	
9·0		36·7	49·1	9·0
10·0		40·7	47·0	
10·0		42·2	36·7	
10·0		50·2	56·1	
9·8		55·2	27·5	
9·8		56·0	39·2	
10·2	2	0·0	28·2	
10·0		2·0	7·0	
10·2		19·0	35·6	
10·2		25·0	28·1	
9·1		37·5	48·1	8·7 G=
10·0		39·5	28·0	
10·0		43·5	56·0	
9·8		45·0	10·6	
9·7		56·5	49·0	
10·2		59·7	41·2	
10·2	3	0·0	30·1	
9·8		4·5	12·3	
10·2		11·5	45·3	
7·3		17·5	15·8	6·5 GSbt
9·3		22·0	16·9	
10·2		26·5	52·8	
10·2		29·5	40·1	
9·4		30·2	57·4	
10·0		30·5	59·3	
9·8		35·0	33·9	
8·8		36·5	31·4	9·0
10·0		41·5	26·2	
10·2		42·0	56·6	
9·9		44·0	49·1	
10·2		46·8	59·1	
10·2		51·5	52·9	
10·0	4	8·9	2·1	
10·2		12·0	41·4	
	+1	5·1	−6·0	

3841—3900.

mag.	9h. m	s	—26° ′	
10·2	4	12·0	46·1	
9·8		12·5	54·2	
9·3		19·5	30·6	9·0
10·2		27·5	26·1	
10·2		31·7	57·6	
10·2		32·5	46·8	
9·8		34·5	34·9	
9·3		46·5	1·1	9·5
9·9		55·0	29·4	
9·3		58·0	37·0	
8·6	5	12·5	14·5	8·6 G
10·0		13·5	3·1	
9·8		15·0	28·8	
9·8		18·0	19·7	
10·0		27·8	5·9	
10·2		32·8	25·9	
8·8		39·8	55·9	9·2 Ga
10·2		54·8	43·8	
10·0		57·3	43·8	
10·2	6	19·3	18·8	
10·0		19·3	53·3	
10·0		25·8	4·2	
9·8		31·8	56·1	
10·2		33·8	7·7	
9·8		34·8	6·6	
10·2		35·8	8·1	
10·0		42·8	39·4	
9·8		43·8	33·9	
9·8		52·3	21·0	
9·7		53·8	23·5	
10·2	7	6·8	57·9	
10·2		11·7	17·6	
10·2		13·8	36·1	
10·2		16·3	23·8	
10·0		21·8	0·7	
10·0		34·8	45·0	
9·3		38·8	29·3	9·0
10·2		42·8	0·1	
10·2		44·8	31·1	
10·2	8	6·3	9·9	
9·7		14·3	47·9	G
10·0		31·8	56·8	
10·2		34·3	3·3	
10·0		35·8	53·1	G
9·8		41·3	1·9	
8·8		47·9	53·0	8·8 G
9·7		54·1	56·3	
10·2	9	3·6	39·2	
10·2		14·6	56·5	
9·8		17·1	57·1	G
10·0		17·2	2·8	
10·2		19·6	37·6	G
10·0		20·6	41·5	
9·4		29·9	25·0	
10·2		33·6	30·2	
10·2		43·6	50·5	
9·8		53·1	16·0	
10·0		55·1	22·9	
10·0		57·1	16·3	
10·2	10	2·1	6·6	
	+1	5·3	−6·1	

3901—3960.

mag.	9h. m	s	—26° ′	
9·8	10	6·6	42·9	
10·2		9·6	28·0	
9·8		14·1	4·2	
9·7		19·6	12·9	
10·0		23·1	25·9	
8·0		30·8	40·5	7·7 GSa
10·0		32·3	33·9	
9·2		35·3	21·9	
10·0		55·3	18·9	
10·0	11	12·3	12·5	
9·8		48·3	16·5	
9·8		54·3	31·4	
9·4		58·3	27·1	
8·0	12	40·3	45·4	8·5 Ga
9·6		43·3	16·1	
9·2		55·3	26·7	
10·0	13	10·8	9·9	
10·0		30·3	16·5	
9·6		35·3	34·9	
10·0		45·8	39·3	
9·4		46·8	55·1	
10·0	14	10·1	35·0	
8·7		11·1	53·0	9·0 a
9·0		35·1	11·6	–
7·8		37·6	19·4	8·5 =
10·0		44·1	29·6	
10·0		47·0	28·6	
10·0	15	41·1	13·8	
10·0	16	9·0	58·7	
9·8		40·1	43·4	
10·0	17	27·0	38·3	9·0
8·0		30·1	38·4	8·5 Ga
9·6		31·1	25·0	
9·8		34·1	45·0	9·0
8·8		52·6	48·0	9·0 a
10·0	18	13·6	48·1	
10·0		22·6	34·4	
8·8	19	53·6	59·4	9·0 G–
9·6	20	9·6	54·8	8·7
9·8		23·6	25·5	
9·8		29·1	21·0	
9·0		51·1	41·9	
8·6	21	7·4	2·2	8·7 a
10·0		7·5	20·9	9·0
9·2		12·6	21·0	9·0 a
10·0		15·1	31·2	9·5
9·6		36·1	49·2	
9·4	22	0·1	35·0	8·5
8·6		12·1	33·8	8·5 a
9·6		15·6	16·0	
9·2		22·6	56·0	8·5 a
9·6		33·6	32·2	
9·2	23	0·6	27·2	
9·0		25·1	44·4	
10·0		28·6	51·0	
7·4	24	8·6	2·8	7·0 GStπ
9·6		9·8	36·8	
7·0		21·6	2·6	6·0 GStπ
9·8		24·8	42·0	
9·6		27·6	0·0	
	+1	5·9	−6·3	

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3961—4020.

mag.	9h. m	s	—26° ′	
10.0	25	4.3	37.8	
9.0		9.8	15.8	a
9.2		9.8	51.2	8.5
9.2		10.3	51.1	9.0
9.0		29.8	20.9	
9.8		41.8	29.5	
9.6		44.8	14.8	
10.0	26	6.8	7.7	
9.2		9.8	7.4	9.5
10.0		12.8	31.5	
9.4		23.8	23.7	
8.4		24.8	35.6	8.5 G=
10.0		39.8	35.5	
9.8		39.8	41.3	
8.5		49.8	21.9	9.0 =
9.6	27	3.8	54.8	
8.4		9.8	51.9	7.2 G–
10.0		14.3	5.3	
10.0		24.8	39.7	
9.0		29.3	32.0	9.0
10.0		44.8	19.0	
9.6	28	24.8	44.9	
10.0		35.8	11.7	
10.0		50.8	54.3	
9.2		58.3	37.2	
10.0	29	9.8	43.1	
8.8		9.8	30.9	9.0 a
10.0		18.7	27.9	
10.0		18.7	8.0	
10.0		29.7	15.3	
8.8		31.7	47.8	9.0
10.0		54.7	45.7	
9.8		55.7	9.5	
9.6		57.2	8.9	a
7.4	30	30.5	57.9	7.2 GSbt
10.0		54.7	9.4	
9.2		55.2	24.8	
8.2		56.7	45.7	8.0 Ga
10.0	31	4.2	48.6	
10.0		16.7	42.7	
8.4		18.9	17.9	7.5 GSa
9.8		39.7	31.0	
10.0		49.9	1.7	
10.0	32	14.2	24.0	
10.0		15.4	15.7	
9.4		19.7	40.0	
10.0		34.7	52.2	
9.0	33	1.9	10.9	
9.4		4.7	30.0	
9.2		30.2	43.6	
9.6		34.7	14.2	9.0 a
10.0		39.7	50.1	
9.5		41.2	21.7	
9.0	34	28.2	21.8	10.0
10.0		32.7	16.4	
8.2		52.7	14.7	8.5 Ga
9.5	35	3.7	39.1	
9.7		16.2	42.9	
10.0		39.7	38.1	
9.2		48.2	21.2	
25pr.	+1	6.6	–6.6	

4021—4080.

mag.	9h. m	s	—26° ′	
9.6	36	19.7	11.3	
10.0		40.2	45.5	
10.0		51.7	44.2	
9.4		52.2	52.3	9.2 a
9.4		54.7	4.1	
9.2	37	9.7	32.8	
10.0		12.7	0.2	
10.0		26.2	34.4	
9.8		42.2	20.5	
9.4		44.7	30.4	
9.0		44.7	20.7	
8.8	38	6.7	35.2	9.0
10.0		22.2	19.0	
8.4		37.7	5.2	9.0
8.6		47.7	52.5	8.2 Ga
10.0		55.2	47.1	
8.4	39	1.7	18.9	8.2 G–
10.0		5.2	34.8	–
8.4		18.7	47.4	8.8 a
9.4		20.7	5.1	9.0
9.4		34.7	59.6	?
8.6	40	15.7	13.0	8.5 G–
10.0		17.7	4.6	
10.0		34.7	10.0	
9.4		40.7	38.5	9.0
9.0		45.2	22.6	a
7.6		45.2	41.8	7.2 GSat
9.0		50.8	30.6	
9.8		58.3	45.6	
9.4		59.8	31.5	
9.0	42	1.8	31.2	9.0
10.0		11.8	44.4	
8.9		33.3	25.9	
9.5	43	12.3	39.8	
9.6		17.3	7.2	
9.4		42.8	37.1	
9.7	44	7.3	2.2	
10.0		10.8	35.9	
10.0		14.8	0.9	
8.8		39.8	38.2	8.5 G=
9.4		54.8	4.4	
9.7	45	18.8	51.0	
9.4		19.8	9.2	
9.5		23.8	31.0	
8.8		46.3	50.0	9.0
8.8		52.3	20.4	
9.4		57.6	58.0	–
10.0	46	15.3	0.0	
8.4		28.8	48.3	8.5
9.4		32.8	18.9	
8.5		34.8	9.3	9.0 a
8.6		35.8	8.9	9.0 a
9.5		41.8	48.3	
9.3		49.8	2.0	
9.0	47	0.8	38.0	
9.0		3.8	14.3	
9.4		12.8	40.6	9.0
8.1		16.8	10.2	8.0 Ga
7.2		21.8	44.8	6.5 GSct
9.5		22.8	30.6	
	+1	7.4	–6.9	

4081—4140.

mag.	9h. m	s	—26° ′	
8.9	48	10.0	0.6	
9.8		41.9	59.5	
10.0		44.8	31.7	
9.4	49	11.8	33.7	
9.3		14.8	40.2	
9.3		55.8	44.8	
9.2	50	22.3	28.6	9.5
8.2		28.3	19.4	8.5 Ga
8.6		29.8	27.1	9.0 a
9.6		49.9	56.8	
10.0	51	7.8	26.1	
7.0		14.8	53.1	7.0 GSat
8.2		42.8	42.6	8.0 Ga
8.5		44.8	1.1	8.8 Ga
8.2		44.8	36.1	8.0 Ga
8.9		46.3	15.7	9.0
8.9		49.8	3.4	9.5 a
8.8		59.8	45.5	9.0 –
8.9	53	16.8	28.2	9.5 a
8.8		19.8	38.3	
9.7		28.8	45.4	
10.0		39.8	15.4	
9.7		44.8	49.8	
10.0		49.8	56.5	
10.1	54	25.6	12.9	
10.2		31.6	17.1	
10.0		38.1	39.0	
10.1		46.6	7.2	
9.7		49.5	5.3	
10.2		52.1	1.0	
8.4		54.6	33.3	8.5 Gat
10.2	55	2.1	37.5	
10.2		9.1	45.2	
10.0		25.6	19.0	
9.5		30.1	47.6	
9.5		31.1	31.4	
9.9		34.6	6.2	
10.1		35.6	35.0	
9.7		45.1	45.4	
8.6		52.6	4.1	9.2 a
9.9	56	2.6	10.6	
10.2		5.3	1.5	
10.2		10.6	35.5	
10.2		13.6	19.4	
10.2		36.1	51.0	
9.7		39.6	41.1	
10.1		49.1	47.5	
8.8	57	9.1	24.9	9.0 G=
9.3		18.1	27.9	9.0 =
10.1		19.1	20.0	
9.9		20.1	28.9	
9.5		24.6	30.0	9.5
9.8		33.1	19.1	
9.8		40.1	6.2	
8.4		40.6	45.7	8.5 –
8.4		41.1	7.6	8.8 a
10.2		41.1	53.3	
10.2		44.1	28.7	
10.0		54.8	3.1	
7.7		58.1	18.3	7.8 GSat
	+1	8.1	–7.1	

4141—4200.

mag.	9h.–10h. m	s	—26° ′	
10.0	58	1.0	51.0	
10.0		4.0	15.6	
10.2		9.5	38.0	
10.1		22.0	31.0	
10.1		42.0	44.5	
9.7		48.5	40.2	
9.7		50.0	39.4	
9.8		54.5	53.5	
9.6	59	2.0	48.0	
10.0		2.0	42.1	
9.6		4.0	29.5	
9.4		6.0	8.8	
10.2		22.0	7.9	
9.5		40.0	30.4	
10.1		50.0	32.0	
10.1	0	5.5	48.5	
8.3		10.0	40.1	7.7 Ga
10.0		18.0	48.2	
9.2		22.0	25.2	
10.2		30.0	20.0	
9.8		33.5	14.9	
9.3		34.5	53.7	
9.8		34.5	20.1	
10.1		36.5	55.7	
8.8		42.0	48.9	a
9.9		47.0	37.1	
10.0		49.0	26.7	
9.7		56.5	36.1	9.0
9.7	1	20.0	39.1	
9.9		20.3	59.2	
9.7		24.5	4.8	
9.9		34.0	7.2	
9.9		42.5	48.1	
10.2		42.5	9.9	
10.2		43.9	12.5	
8.7		47.4	31.4	8.8 a
9.7		50.9	4.4	
10.2	2	1.9	57.9	
9.9		10.9	39.3	
9.9		10.9	45.5	
9.8		14.9	18.4	
9.8		19.9	0.1	
10.2		29.9	4.1	
9.9		33.4	10.6	
10.2		50.9	26.9	
10.0		51.9	47.9	
9.7		57.4	4.9	
9.9		59.9	35.7	
10.2	3	4.9	57.0	
9.9		27.9	38.1	
10.0		29.4	12.0	
10.2		37.4	50.5	
9.9		42.9	6.2	
9.7		47.4	19.7	
9.8	4	15.4	26.1	
9.7		39.9	17.3	
9.7		49.9	7.5	
9.8		51.9	17.0	
9.5		53.9	9.7	
10.0	5	19.9	39.9	
	+1	8.6	–7.3	

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4201—4260.

mag.	10h. m s	—26° ′	
9·8	5 31·9	37·3	
9·6	33·4	37·8	
9·2	37·9	7·5	9·8
8·9	54·9	5·9	8·7 G=
10·0	54·9	45·9	
10·2	6 4·4	4·9	
10·0	9·9	42·2	
8·6	26·8	38·6	8·8 G≡
9·9	27·8	20·5	
10·2	48·8	32·1	
10·0	7 14·3	43·1	
10·2	25·7	20·1	
10·2	28·8	7·2	
10·2	30·8	2·3	
9·3	33·8	22·9	9·5
7·2	34·3	24·7	6·5 GSct
10·2	35·3	8·5	
9·3	41·8	4·0	
10·2	42·3	40·5	
9·8	44·3	30·6	
10·2	44·8	32·2	
9·5	51·8	13·9	
9·5	8 9·8	11·8	
10·2	29·8	54·7	
9·5	34·3	59·3	
9·5	36·3	5·1	
9·1	46·8	25·1	9·0 a
10·1	59·8	30·0	
9·0	9 3·3	32·4	9·5
9·9	8·8	15·9	
8·8	8·8	41·3	8·8 a
10·1	18·8	22·0	
10·2	21·8	10·4	
10·2	23·8	56·1	
9·4	25·3	19·6	
10·2	25·8	40·8	
10·2	29·1	1·9	
10·1	29·3	7·0	
9·9	38·9	56·8	
9·9	39·8	30·0	
10·2	42·2	25·2	
9·9	44·2	18·0	
10·0	50·2	5·7	
9·0	10 0·7	49·4	a
9·5	6·7	18·0	
9·3	14·2	1·5	9·2
9·9	27·5	1·7	
9·8	36·2	54·4	
10·2	36·8	41·6	
10·2	38·8	28·7	
10·2	55·2	35·2	
9·7	11 4·7	24·2	
10·2	8·2	12·1	
10·2	10·2	7·2	
9·6	10·9	59·3	
10·1	13·7	25·6	
9·7	28·2	29·3	
10·1	28·7	45·6	
9·1	29·2	14·4	9·0 —
10·2	29·7	52·3	
25pr.	+ 1 9·0	—7·4	

4261—4320.

mag.	10h. m s	—26° ′	
9·7	11 35·2	8·6	
10·2	42·7	17·7	
9·9	51·7	52·2	
9·0	54·2	23·3	
9·8	57·7	3·2	
8·8	12 7·7	55·9	8·5 a
10·2	17·7	51·1	
8·6	24·7	34·0	8·5 Ga
9·7	26·2	32·8	
9·6	26·7	30·9	
10·1	30·2	19·6	
10·0	30·7	13·0	
9·9	35·5	2·5	
9·7	41·2	37·0	
10·2	44·2	38·6	
10·0	57·7	18·7	
9·0	58·5	58·6	
9·2	13 1·6	0·3	9·5
10·2	5·6	51·8	
10·0	8·1	33·8	
9·9	16·6	15·8	
10·0	29·6	56·1	
9·1	30·6	25·6	
9·7	33·6	58·6	
9·9	44·6	8·3	
8·8	54·6	33·4	9·0 ≡
9·8	14 15·1	3·5	
8·8	19·6	55·3	≥
10·1	36·6	3·3	
8·8	41·6	26·1	9·5 a
9·3	47·6	59·4	
9·8	51·1	51·5	
10·1	53·6	42·6	
9·9	55·4	2·0	
10·1	15 0·6	26·9	
9·6	4·6	14·5	
10·2	12·6	16·0	
9·8	17·8	0·6	
9·7	22·6	47·5	
9·7	22·6	12·7	
9·5	25·6	11·4	
10·2	27·6	57·7	
10·0	29·4	2·2	
9·2	29·6	32·8	
9·9	31·1	31·8	
9·9	34·1	3·3	
10·0	34·6	48·6	
9·8	34·6	39·2	
10·2	34·6	26·9	
10·0	38·1	28·6	
10·2	48·6	28·6	
9·6	16 6·9	1·0	
9·5	8·8	50·6	
9·7	17·6	46·9	
9·5	25·1	57·9	
9·8	27·5	42·4	
10·2	38·5	18·6	
9·4	42·0	12·8	—
9·8	58·5	43·0	
9·6	17 0·5	3·4	
	+ 1 9·4	—7·5	

4321—4380.

mag.	10h. m s	—26° ′	
8·5	17 1·5	2·6	8·2 Ga
10·1	4·5	39·5	
10·1	27·0	7·1	
9·7	31·0	21·5	
10·2	31·5	42·3	
10·1	58·5	3·4	
9·9	18 2·0	26·0	
9·9	5·5	31·9	
9·6	10·6	21·8	
8·0	25·1	47·5	9·0 a
9·2	47·6	59·5	9·5 a
9·0	51·6	16·8	9·0 —
7·9	56·6	38·5	8·8 Ga
8·4	19 11·1	59·3	8·0 Ga
9·4	42·0	32·9	
9·2	53·0	21·2	
9·2	20 14·5	21·0	9·0 =
9·4	25·9	1·5	9·5
9·4	39·5	27·3	
8·8	49·0	30·7	10·0
9·0	21 34·5	1·8	—
9·6	36·0	36·0	9·0
9·2	51·5	50·7	
8·6	22 50·0	43·1	9·0 a
8·6	23 21·5	13·7	8·8 a
9·0	24 8·0	35·0	
8·6	23·5	52·9	=
9·2	39·5	23·8	9·2.—
8·8	25 9·0	13·5	9·0 =
8·6	26 24·9	22·5	9·0 a
8·4	27 21·4	10·2	9·0 —
9·0	24·9	20·4	10·0
8·0	30·9	10·0	8·8 ≡
8·0	59·9	42·3	8·0 GSbt
9·0	28 16·4	26·3	9·0
9·2	39·9	11·4	
9·4	41·9	0·3	
9·6	50·9	21·2	
9·6	29 23·4	35·0	
7·0	30 10·4	1·7	6·5 GSa
9·4	24·9	27·0	
7·6	31·4	5·2	8·0 Ga
9·0	31 4·9	1·8	9·0
7·0	21·7	45·8	5·2 GStπ
9·6	23·2	32·3	10·0
9·6	33 12·7	3·1	
9·2	15·6	1·4	8·8 —
9·2	27·2	9·8	9·5
9·0	39·2	36·1	—
9·0	52·2	48·8	
9·6	34 50·2	41·1	
8·2	51·7	8·0	8·0 GSa
8·6	35 37·7	25·6	9·0 =
9·0	49·7	59·2	
9·2	36 0·2	50·7	
9·2	4·2	15·4	
8·8	25·2	48·6	8·2 >
9·0	41·2	51·4	9·0 —
9·6	59·7	52·9	
8·8	37 14·9	57·6	
	+ 1 10·2	—7·7	

4381—4440.

mag.	10h. m s	—26° ′	
9·4	37 23·7	40·2	10·0
8·8	25·2	38·6	8·0 G≥
8·2	30·2	8·8	8·0 =
9·6	38 32·2	11·0	
9·6	53·4	45·8	
9·6	57·2	5·4	
9·4	39 7·4	51·8	9·0
8·8	29·2	12·9	9·5 —
8·0	49·7	51·6	8·5 >
9·6	53·4	28·2	
7·5	40 20·5	4·1	7·5 Ga
10·2	22·2	27·1	
10·2	42 21·2	41·5	
7·4	43 17·7	9·1	7·5 GWa
10·2	40·7	44·0	
10·2	42·5	18·9	
9·2	44 13·7	12·1	9·0
8·3	45 34·2	14·1	8·5 Ga
10·2	39·2	51·0	
10·2	52·7	9·3	
8·8	46 3·2	54·7	8·0 Ga
10·2	31·2	6·9	
9·8	35·2	3·9	
8·5	55·7	43·4	9·0 a
10·2	47 1·2	18·6	
9·5	39·2	30·1	
9·5	49·2	37·6	
7·5	59·2	4·9	7·7 GSat
8·8	48 2·7	31·8	8·8 —
9·6	24·2	52·2	9·5 a
8·0	39·2	8·6	8·5 GSa
8·8	49 15·7	24·7	9·2 Ga
9·5	20·7	1·9	
7·8	28·7	18·7	7·5 GSa
10·2	50 2·7	12·8	
10·2	11·7	13·4	
9·8	51 41·2	23·4	
9·4	52 14·2	18·8	9·0 —
9·6	36·2	54·4	
9·8	42·2	53·4	a
7·8	53 22·2	5·9	7·8 GSa
8·6	30·7	48·8	8·5 a
10·2	33·2	9·3	
9·3	53·0	59·8	9·0
8·8	54 2·2	36·6	8·0 Ga
8·8	40·2	49·0	9·2
10·0	55 21·2	17·9	
10·2	56 3·2	25·7	
6·8	21·7	9·4	6·5 GS$\pi\beta$
10·0	37·2	51·2	
9·5	50·2	23·0	
9·8	57 8·7	23·6	
7·5	15·2	50·7	7·5 GSat
8·8	58 13·7	36·8	8·8 —
9·2	46·2	9·9	9·0 a
8·8	52·2	49·5	9·5 a
10·2	53·2	50·7	
8·2	59 5·2	11·1	9·0 a
5·7	18·7	37·1	5·0 GS$\pi\beta$
5·7	54·2	36·7	6·2 GS$\pi\beta$
	+ 1 11·7	—8·0	

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4441—4500.

mag.	10h.–11h. m	s	—26° ′	
9.5	59	57.2	15.4	
9.2	1	1.2	17.4	10.0 a
9.4		22.2	17.1	10.0 a
10.2		27.7	49.2	
10.0		35.2	18.5	
10.2		40.0	32.9	
9.6		59.5	53.0	9.5
9.0	2	10.6	26.8	9.0 Ga
9.4		22.0	50.6	9.5
9.4		31.0	31.7	
9.4		35.0	44.1	
10.2		49.5	22.4	
9.8	3	8.5	30.1	
10.0		20.5	46.4	
10.2		25.5	3.0	
10.2		28.5	39.5	
9.8		54.0	44.6	
8.5	4	3.0	51.3	8.0 Ga
10.2		38.0	31.1	
10.2		52.5	46.1	
10.2	5	11.0	37.3	
9.6		16.0	31.9	
9.8		26.0	13.9	
9.3		35.5	45.8	10.0
7.4		52.0	7.6	7.0 GSct
10.2		53.2	1.0	
9.6	6	32.0	1.8	
9.0	7	37.0	10.5	8.2 G–
8.2		47.5	3.1	8.7 a
10.0		51.1	17.8	
8.4	8	12.0	22.7	8.0 a
10.0		20.0	15.1	
9.0		23.0	54.1	
9.4		31.0	23.5	9.0 a
8.1		39.0	37.6	8.2 GW=
9.1		54.0	53.0	
8.8		57.0	29.6	a
9.4	9	13.0	41.9	9.5
9.8		17.0	16.9	
10.0		33.0	30.9	
9.2		44.0	13.7	9.0 =
9.8		53.0	8.8	
9.0		53.0	16.8	10.0
10.2		57.5	7.4	
10.2	10	2.1	44.9	
10.0		38.6	51.0	
7.8		44.6	33.4	7.8 Ga
9.4		48.6	31.6	10.0
9.4		49.1	50.2	9.5
9.6	11	3.6	43.5	
10.0		20.1	22.0	
10.0		35.6	24.1	
9.1		51.1	21.2	
9.0	12	2.1	2.3	9.0
9.7		30.1	9.7	
9.4		36.1	57.3	
9.0		58.1	12.9	9.0 a
9.6		59.1	18.1	
9.8	13	57.1	1.7	
9.6	14	22.1	15.8	
25pr.	+1	13.1	–8.1	

4501—4560.

mag.	11h. m	s	—26° ′	
8.8	14	27.1	45.7	9.5
10.2		27.2	36.7	
10.2		27.6	0.3	
8.2		32.1	54.8	a
10.2		44.1	6.5	
10.2	15	6.2	18.8	
9.4		11.3	59.1	.
10.2		43.6	16.8	
8.8	16	14.1	33.3	9.0 =
10.2		21.6	25.7	
10.2		37.1	49.0	
9.6		40.1	40.7	
8.2	17	43.1	16.3	8.0 GSat
10.2		53.6	16.0	
9.4	18	13.1	20.0	9.0
9.2		29.1	40.9	
10.0		39.1	30.6	
9.8	19	1.1	36.0	
8.4		6.1	11.0	8.7 GWa
8.0		32.6	51.8	8.7 G–
10.0		38.5	14.9	
10.2	20	16.0	7.7	
8.4		16.0	53.9	8.8 –
10.2		18.5	53.2	
10.0		25.3	57.7	9.5
10.2		26.0	13.6	
10.2		33.0	19.0	
9.6		49.0	10.5	
9.4	21	42.0	29.6	
9.4		57.0	22.8	
9.6	22	3.0	11.4	
9.4		9.8	58.8	9.0 –
9.6	23	10.0	8.1	
10.2		22.5	8.8	
10.0		50.5	36.9	
9.8	24	13.0	38.8	
10.2		56.0	35.9	
10.0	25	10.5	45.5	
8.7		47.9	2.9	9.1 a
10.0	26	3.4	9.8	
7.0		11.9	3.5	6.5 GSat
10.0		24.4	22.9	
8.4		44.4	56.0	9.0 –
8.2	27	37.4	7.5	8.5 Ga
8.6	29	34.4	27.2	8.5 a
9.8	30	4.4	46.2	
8.4		8.4	4.0	8.2 a
9.3		15.4	22.7	10.0
9.3		49.9	14.0	
9.8		53.9	35.6	
9.6		59.9	8.9	
9.8	31	32.8	16.0	
8.3		49.8	38.4	9.5 =
9.3	32	49.8	32.6	
9.8		50.3	59.9	
10.0		56.8	56.0	
8.4	33	2.8	9.1	8.3 W≡
10.0		26.3	29.8	
9.1		53.3	34.2	
9.0	34	5.3	37.5	
	+1	14.0	–8.2	

4561—4620.

mag.	11h. m	s	—26° ′	
10.0	34	28.3	45.8	
8.2		36.3	7.9	8.8 –
9.2		37.3	14.4	
8.3		41.3	7.1	8.7 ≡
9.3		45.3	5.4	
9.8	35	2.8	39.7	
9.2		14.3	13.1	
9.6		22.3	55.2	a
9.2		54.8	41.8	
9.6	36	14.8	17.3	
8.2		17.8	49.1	8.7 a
9.6		23.8	44.6	
8.3		33.3	9.8	9.0
8.6		42.3	13.4	9.3
10.0		59.3	3.3	
9.6	37	12.3	45.9	
9.4		24.4	32.7	
8.2		46.9	11.4	8.7 ≥
10.0		54.4	42.7	
10.0		56.4	11.4	
9.4	38	0.4	44.1	–
10.0	39	1.9	31.2	
10.0		6.9	31.2	
10.0		11.4	36.8	
10.0		52.0	22.8	
9.0	40	2.9	22.2	9.0 a
9.1		18.9	46.0	
9.6		35.9	22.2	
10.0		43.9	5.2	
9.6	41	1.9	35.7	
9.8		23.4	22.6	
9.8		33.4	24.6	
9.2		53.9	7.8	
9.2		55.7	0.9	
7.1	42	26.4	3.4	5.8 GStπ
10.0		38.4	8.7	
8.4		38.4	49.0	8.8 G≡
10.0	43	14.9	47.1	
9.0		32.4	53.3	8.7 =
10.0		32.9	34.8	
9.4		35.9	49.2	
7.6	44	18.4	34.9	6.8 GSct
10.0		25.9	9.5	
9.4		33.9	53.0	
7.8		45.9	23.1	7.5 GSa
9.6		52.9	55.6	
10.0		55.4	46.3	
9.3	45	3.9	14.5	
9.8		39.9	59.0	
9.2		56.8	55.6	
9.1		57.7	8.1	9.5
9.8	46	21.0	19.3	
9.4		38.5	38.0	10.0
8.4		47.0	36.8	8.8 ≡
10.1	47	4.1	0.4	
10.1		4.2	6.7	
10.1		10.7	19.9	
8.8		13.6	8.9	8.5 G≥
8.9		42.3	26.0	
9.8	48	57.3	14.8	
	+1	15.3	–8.3	

4621—4680.

mag.	11h.–12h. m	s	—26° ′	
9.0	49	32.3	46.0	9.5 a
10.0	50	30.3	46.6	
10.0	51	0.3	53.9	
7.2		9.8	21.4	7.0 GSat
10.1		27.3	41.8	
7.5		43.3	59.6	7.0 GSa
9.8	52	7.3	14.9	
9.0		22.3	44.5	9.0 Ga
10.1	53	0.9	59.2	
10.1		4.8	17.1	
8.9		39.3	49.0	9.5 a
8.4		46.3	24.2	8.8 ≡
8.6	54	22.3	41.3	8.5 Ga
8.7		27.3	25.1	9.5
10.1		32.3	25.7	
10.1		47.3	33.0	
10.1	55	18.7	20.6	
10.0		30.8	30.7	
8.2		38.3	4.3	8.0 G=
10.0		45.3	56.6	
8.6		50.3	57.0	9.0 Ga
8.4		53.3	26.7	9.2 –
9.8	56	38.3	4.1	
9.3	57	1.3	31.8	
9.3		14.3	10.1	
9.6	58	23.0	59.0	
9.6	59	18.8	51.9	
8.4		30.3	35.4	9.0 a
10.0		51.3	20.2	
10.1		58.3	43.1	
8.8	0	3.8	9.5	
9.6		12.3	43.8	
8.8		31.3	21.1	
9.2		36.3	51.1	9.2 –
10.1		43.3	50.5	
8.6		53.8	41.6	9.0 ≡
9.0	1	3.3	51.0	9.2 ≡
10.0	2	36.8	51.8	
10.1	3	24.1	58.3	
8.9		55.3	14.2	9.0 a
9.5	4	14.3	25.3	
10.1		18.4	51.8	
8.4	5	6.3	22.4	8.0 Ga
9.8		23.3	38.7	
10.1		49.4	22.8	
8.9	6	32.3	48.8	9.0 –
9.4		37.3	38.2	
9.6		53.3	16.8	
10.1		53.3	28.7	
9.4	7	3.3	48.1	
7.7		12.3	37.5	8.2 GSat
9.2		33.3	20.2	
10.1		41.3	10.3	
9.2		46.3	38.7	9.2 =
10.1	8	1.3	50.2	
9.4		2.3	4.6	–
10.1		10.5	58.9	
10.1		22.6	21.0	
10.0		49.3	33.0	
9.0		50.1	21.9	9.5
	+1	16.8	–8.4	

4681—4740.

mag.	12h. m	s	—26° ′	
8·4	9	0·5	56·2	9·0 a
9·0		1·1	29·0	9·5
9·2		12·3	27·0	
10·1		26·0	37·0	
9·0		27·6	16·9	
10·1		31·2	5·5	
8·4		44·8	44·3	8·0 Ga
7·8		50·3	24·4	≡
10·2	10	7·8	55·4	
10·2		33·8	20·8	9·0
8·2		37·0	27·6	8·2 Ga
9·8		57·3	49·1	
9·8	11	4·8	29·4	
9·4		21·8	19·4	
10·2	12	20·4	54·1	
9·5		46·9	20·7	
10·2	13	2·4	14·9	
7·9		25·9	2·6	7·0 GSa
9·4	14	39·4	38·3	
8·3		45·6	2·3	7·8 GWa
8·0	15	8·9	34·7	8·8 a
9·8		22·4	3·0	
9·0		42·4	49·2	
9·2	16	49·9	9·7	9·0 a
10·2	17	41·4	5·0	
9·6	18	4·9	35·2	
10·2		4·9	58·3	
9·0		15·4	25·2	9·0
10·2		55·4	6·9	
9·5		55·4	57·4	9·5
9·5		55·6	45·5	
8·0	19	5·1	7·0	7·5 Ga
8·4	20	5·6	29·4	8·2 GWa
9·0		9·6	48·3	
10·2		14·6	37·8	
10·2		31·1	5·4	–
10·0		45·6	39·4	
9·8	21	0·6	52·9	
9·8		25·6	27·4	
8·6	22	13·6	24·3	9·0 =
9·8	23	2·6	59·9	
9·5		2·6	17·2	
10·2		2·6	5·3	
9·0		21·1	42·4	9·5
8·9		50·1	23·7	8·8 Ga
9·8		53·0	58·1	
9·8	24	13·6	41·6	
9·8		27·6	14·0	
10·0		32·1	15·6	
8·2	25	35·3	52·6	7·7 GSat
8·8	26	32·8	16·1	
10·2	27	13·3	44·7	
9·2		21·8	16·0	
8·6		38·3	29·5	8·5 ≡
9·4		43·8	15·6	9·0
9·4		48·8	18·7	9·5
8·2		53·3	20·9	8·8 ≡
9·6		59·3	16·6	
7·8	28	25·8	1·4	8·0 GWa
10·2		31·6	2·1	
25pr.	+1	18·2	−8·3	

4741—4800.

mag.	12h. m	s	—26° ′	
10·2	28	55·8	59·2	
10·2	29	10·3	19·0	
9·5		23·8	40·5	
8·6		40·8	44·3	9·0 a
10·2		48·8	12·6	
9·4		55·8	4·4	8·5 Ga
10·2	30	46·8	7·6	
9·6		55·8	50·5	
6·3	31	5·2	26·8	5·5 GSlπ
10·2		39·8	15·4	
10·0		40·1	27·0	
10·1		47·1	43·1	
9·8		53·6	34·8	
10·0	32	17·1	17·8	
10·1		20·6	52·7	
9·0		35·6	14·6	9·5 a
10·2		38·1	41·0	
9·3		59·6	33·1	
9·0	33	9·6	13·4	9·0 Ga
9·8		21·1	23·8	
9·0		41·1	17·8	9·5 G
9·7	34	3·6	35·3	
8·6		6·1	8·6	9·2 GWa
9·7		30·6	2·8	
10·2		35·6	8·2	
8·4		46·6	49·6	8·8 a
9·7		46·6	28·0	
9·0	35	1·6	26·6	
10·1		50·1	44·1	
10·1		56·6	22·1	
9·4	36	5·9	58·6	
9·9		11·6	23·6	
10·1		15·1	42·1	
10·1		21·1	53·7	
9·0		25·1	48·8	
9·4		27·1	17·6	
8·6		35·6	41·0	9·0 G=
8·6	37	18·6	45·2	9·0 –
9·3		20·6	45·8	9·5
9·0		41·6	40·2	
10·1		44·1	6·0	
8·5		56·3	13·0	8·8 Ga
10·2	38	17·8	25·3	
10·1		34·8	15·6	
9·4		43·3	51·7	
9·4		45·8	12·9	
8·8		52·8	37·6	9·2 a
9·7		56·8	59·6	
9·6		59·3	14·9	
10·2	39	0·8	9·1	
9·0		11·8	47·2	
10·1		12·7	23·1	
9·7		53·8	30·7	
9·3	40	2·8	29·3	
8·8	41	14·3	22·7	a
8·4		15·3	52·8	8·0 GWa
10·1		24·3	18·6	
9·9		43·8	5·4	
7·0		46·8	54·9	6·0 GSct
9·2	42	19·2	1·6	
	+1	19·4	−8·3	

4801—4860.

mag.	12h. m	s	—26° ′	
9·4	42	42·3	5·1	
10·2	43	1·8	46·1	
9·6		15·8	19·8	
9·6		17·3	19·5	
10·2	44	15·3	52·2	
9·6		48·3	28·2	
9·6		52·3	3·6	
10·1		58·8	2·9	
10·1	45	2·3	6·0	
9·0		4·8	52·4	
9·0		14·8	6·6	9·5 –
6·4		17·3	3·6	6·5 GSbt
10·2		47·1	41·1	
8·6		53·3	22·4	9·0 =
9·4		53·8	8·1	
10·2	46	34·8	15·8	
9·0		38·5	1·1	a
9·6		56·3	18·9	
7·7	47	0·3	43·4	8·0 G≥
8·5		27·2	53·3	9·0 Ga
9·6		46·7	33·8	
9·6	48	0·7	18·3	
9·4		6·2	56·1	
9·0		12·2	47·1	a
9·0		49·2	46·8	9·5
8·2	49	0·2	44·4	9·0 Wa
10·2		4·7	27·8	
9·8		5·7	32·4	
9·7		11·2	46·1	
9·6		12·2	49·9	
10·1		25·2	40·6	
9·3		42·2	42·9	
9·1		43·2	48·2	
8·4		51·2	41·5	8·2 GWa
8·0	50	1·7	42·3	7·8 GWa
9·0		2·5	1·4	
8·6		15·2	32·2	9·0 a
8·8		23·7	52·5	
10·0		27·8	59·8	
9·3		34·5	2·4	
9·4		40·2	26·9	
9·6		44·2	49·2	
10·1		52·7	29·1	
10·2		57·2	22·5	
8·8	51	18·7	25·9	a
9·0		20·7	14·9	9·2 a
9·8		20·8	2·9	
9·8		23·2	48·0	
9·7		34·7	11·5	
8·8		36·2	40·0	
10·1		43·5	58·2	
10·0		51·7	31·7	
10·1	52	5·2	27·4	
9·9		20·2	41·7	
9·0		36·2	43·1	9·5 a
10·2		38·2	18·9	
9·6		44·2	18·0	
9·2		52·8	0·9	
10·1		55·0	2·9	
9·0		57·7	7·9	
	+1	20·3	−8·2	

4861—4920.

mag.	12h.–13h. m	s	—26° ′	
9·7	53	7·2	5·9	
9·8		29·0	59·1	
9·2		32·9	43·7	
9·8		35·2	51·7	
8·6		35·2	27·1	9·5 –
9·6		55·2	20·2	
9·6	54	2·5	57·4	
9·4		25·7	47·1	
10·0		29·5	16·0	
9·5		35·5	26·2	
7·9		44·8	41·7	8·5 Ga
8·6	55	10·8	50·7	a
10·0		22·5	34·6	
8·4		36·5	6·4	8·3 G=
9·7		47·0	33·2	
8·4		58·5	20·2	8·8 –
9·6	56	11·5	3·3	
8·8		15·5	49·9	8·5 Ga
9·6		31·5	6·4	
9·2		46·5	3·0	
9·9	57	12·5	19·1	
9·6		32·5	28·8	
8·4		36·5	0·9	9·0 GWa
8·8		57·5	13·6	9·2 –
9·5	58	8·5	51·3	
8·8		12·4	25·6	
9·4		51·4	53·1	
10·0	59	2·4	31·3	
9·5		7·4	5·8	9·5
9·6		17·4	38·7	
9·9		25·4	42·9	
9·7		28·4	14·7	
9·2	0	4·4	53·2	
8·8		7·4	5·9	9·2
9·9		28·4	45·0	
10·0		43·9	55·3	
9·4	1	23·4	55·8	9·2 G
10·0		42·4	17·4	
10·0	2	5·5	32·6	
10·0	3	0·4	7·9	
9·6		20·4	38·0	
9·5		52·9	41·0	
10·0	4	5·9	11·5	
9·9		14·9	24·9	
9·4		22·4	33·9	
10·0		33·4	47·9	
9·4		58·4	0·0	
9·8	5	11·4	41·6	
9·5		17·4	34·7	
10·0		21·5	32·1	
9·5		22·4	8·9	
9·6		35·0	58·4	9·5
10·0		39·9	29·3	
10·0		41·4	38·3	
9·2		45·4	54·2	9·0 a
10·0	6	21·4	31·7	
10·0		30·9	34·8	
9·9		42·4	14·0	
8·0		57·9	57·9	8·2 Ga
10·0	7	27·4	28·5	
	+1	21·0	−8·1	

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4921—4980.

mag.	13h. m	s	—26° ′	
9.5	7	29.4	55.3	
10.0		29.9	48.1	
10.0		36.0	3.6	
9.5		43.0	17.1	
10.0	8	17.5	5.7	
8.8		40.0	47.1	9.5 a
9.9		41.5	23.2	
10.0	9	11.5	9.5	G
9.8		27.0	35.7	
9.7		38.5	29.7	
9.9		42.0	7.5	
9.8	10	12.5	47.2	
10.0		21.3	58.8	
9.5		32.5	23.4	
10.0		47.0	18.3	
10.0	11	1.0	50.6	
9.6		12.0	54.9	
9.4		14.0	32.7	
8.4		25.0	10.9	9.0 Ga
10.0		28.5	16.7	
10.0	12	2.0	55.0	
10.0		5.5	55.6	
9.7		32.0	49.7	
10.0	13	9.5	24.6	
9.1		36.0	35.2	9.0 =
8.4		38.5	45.1	8.0 GWa
9.0	14	2.0	17.6	9.5
10.0		6.0	54.3	
8.8		8.0	47.0	9.0
9.4		8.0	29.8	
10.0		12.0	57.8	
10.0		41.8	2.4	
9.4		47.0	43.6	
9.4	15	15.5	29.2	9.2
10.0		45.0	32.6	
10.0		46.0	19.6	
8.6		51.8	58.7	9.5
9.9	16	9.2	57.7	9.5
9.6		17.1	12.9	
8.3		32.5	19.3	9.0 Ga
10.0		38.0	19.8	
9.9		45.0	40.4	
9.5		53.0	12.9	
10.0	17	30.5	56.9	
10.0		42.0	57.6	
9.9		45.2	18.1	
9.9	18	2.0	52.5	
9.4		3.8	29.7	—
9.8		26.8	49.3	
10.2		30.8	35.9	
9.2		30.8	20.0	
9.0		34.3	0.8	
9.8		37.8	33.9	
9.8		59.8	41.4	
8.0	19	5.8	49.0	8.5 Ga
9.0		12.8	45.6	
8.8		28.3	11.8	
9.8		34.3	23.3	
10.1		44.8	29.2	
8.9		56.8	59.9	9.5 a
25pr.	+ 1	22.1	— 7.9	

4981—5040.

mag.	13h. m	s	—26° ′	
10.2	21	2.3	25.0	
9.6		21.8	54.4	
10.2		24.0	31.1	
7.5		37.3	44.9	7.2 GSat
10.1		52.8	41.5	
9.6	22	2.6	59.9	
9.8		12.6	58.6	
7.6		35.5	44.5	8.0 GSa
9.8		38.0	3.1	
10.2		42.8	11.8	
9.4	23	6.5	23.5	
10.2		14.0	4.5	
9.6		37.0	50.5	
9.8		47.5	38.2	
8.4		53.7	58.0	8.0 Ga
9.8		58.0	6.9	
10.2	24	14.0	16.7	
9.4		21.0	25.9	
8.9		24.5	53.0	9.0
9.2		52.0	17.7	
10.2	25	30.5	12.1	
8.5		37.2	0.9	8.5
9.0		43.0	17.8	9.0 —
10.0		43.5	50.2	
9.8		57.0	22.0	—
8.6	26	3.0	42.5	—
8.6		8.0	21.5	9.0 —
10.2		49.0	15.7	
9.6	27	18.0	22.9	
10.2		19.8	25.7	
10.2		27.5	10.1	
9.0		33.0	51.7	9.5 a
9.2		52.0	38.9	Wa
9.8	28	0.0	41.8	
10.1		14.0	9.9	
9.8		26.5	17.9	
9.0		42.0	16.6	9.5
9.8		52.0	41.1	
8.8		57.5	19.9	9.0 a
9.4	29	19.5	27.1	
10.2		53.5	19.6	
9.6		55.5	17.1	
9.8	30	0.0	40.0	
9.6		0.3	56.9	
9.8		6.0	18.4	
9.5		14.0	3.3	
9.6		19.5	32.8	
8.2		37.5	25.1	8.8 a
8.0	31	33.5	16.0	8.5 G—
9.4		34.2	1.8	
7.9		46.5	37.3	8.5 W=
8.4	32	54.5	30.9	9.0 W=
8.9		56.5	52.4	8.5 a
7.8	33	10.0	56.6	7.0 GStπ
10.2		37.7	9.0	
10.0		54.7	22.4	
9.4	34	6.5	18.1	
10.2		13.5	8.7	
10.2		17.0	31.6	
10.1		18.0	54.9	
	+ 1	23.0	— 7.8	

5041—5100.

mag.	13h. m	s	—26° ′	
8.2	34	30.5	35.9	7.8 G=
8.2		32.5	38.2	8.8 G
8.9		34.0	58.8	9.0 a
9.6	35	31.5	29.4	
9.8		33.5	13.6	
10.1		39.5	4.8	
10.2	36	19.5	15.1	
10.1		22.0	33.1	
10.1		23.5	8.1	
9.4		29.0	52.0	8.5 Ga
9.6		38.0	2.0	
10.1		43.5	34.1	
9.8		48.5	15.0	
9.2		53.0	9.8	10.0
9.8		56.5	4.3	
10.0	37	7.5	6.0	
10.1		9.0	59.3	
10.2		22.7	8.9	
9.6		30.5	24.7	
9.5		33.5	13.1	
10.1		34.0	12.0	
9.8		34.5	49.4	
8.6		38.3	9.0	9.0 G≡
10.0		45.5	6.6	
8.5		59.5	36.2	9.0 —
9.4	38	12.5	39.4	
9.8		47.0	12.8	
10.0		47.0	45.0	
9.2		54.5	53.4	9.0
9.2	39	2.5	44.8	9.0 Ga
9.9		10.8	19.8	
9.7		30.8	9.8	
9.4		52.6	19.4	
9.6	40	18.8	20.8	
9.4		24.3	13.0	
9.4		38.8	13.0	
9.6		48.3	17.8	
9.8		59.8	44.0	
9.9	41	32.8	28.4	
9.8	42	1.5	2.0	
9.9		5.6	23.3	
9.9		5.8	23.7	
8.8		7.3	37.8	—
9.4	43	6.8	53.9	
8.8		47.3	34.1	
9.9		50.3	55.2	
9.4		55.8	23.9	
9.0	44	2.3	47.2	
9.9		5.8	30.4	
8.8		18.8	46.1	
9.9		38.3	36.5	
9.0	45	17.3	10.0	
9.9		29.8	21.9	
8.8		32.8	53.4	
9.4	46	3.6	58.2	
9.8		4.3	39.9	
9.9		7.8	34.8	
8.8		12.8	42.2	9.5
9.9		13.3	8.4	
9.4		13.8	52.6	
	+ 1	23.7	— 7.6	

5101—5160.

mag.	13h. m	s	—26° ′	
9.2	46	24.3	25.9	
9.8		26.8	15.1	
8.2		39.8	5.3	8.0 Wa
8.6		42.8	28.9	9.0 a
9.4	47	7.9	6.3	
9.6		56.4	31.8	
9.9		58.9	1.8	
9.9	48	1.9	44.9	
9.9		22.9	40.9	
8.8		28.4	3.9	8.5
9.6		46.0	57.3	
9.1	49	49.4	32.4	—
8.2	50	2.9	54.6	8.2 Gb
9.3		2.9	51.4	
9.9		9.9	32.9	
9.9		18.4	35.4	
9.3		30.4	18.8	
9.3	51	9.2	57.3	
9.7		14.4	17.2	
9.9		26.9	16.9	
9.7		30.4	52.7	
9.7		31.4	14.7	
9.6		37.9	18.6	
9.9		38.4	15.2	
9.2		40.4	34.3	
8.8		41.9	3.6	8.5 ≡
9.3		42.4	44.0	
9.9		52.4	11.8	
9.4	52	31.9	1.5	
9.6		32.4	5.3	
9.9		35.7	43.5	
9.6		40.4	2.0	
9.8		49.9	34.2	
9.4		58.4	37.9	
9.9	53	3.4	10.9	
9.4		10.7	56.9	
9.6		17.9	31.3	
9.9		25.3	2.8	
9.0		30.9	17.2	
9.9		41.9	0.5	
9.2		46.4	25.9	
9.6	54	24.4	27.0	
9.9		28.4	32.2	
8.5		28.9	19.5	9.5 a
8.6		40.9	42.1	
9.3		49.4	28.9	
7.0	55	16.4	49.5	6.0 GSlπ
9.6		22.9	12.9	
7.8		32.4	14.5	8.0 GSbt
9.2		49.4	47.5	9.5
9.7		50.1	1.5	
9.8		56.4	53.1	
8.6	56	5.9	3.8	
9.0		23.4	51.7	8.5 Ga
8.8		32.9	24.1	9.5
9.4	57	9.4	46.3	
9.9		15.4	3.4	
9.6		21.6	1.9	
9.9		51.4	22.6	
9.6		54.7	41.0	
	+ 1	24.7	— 7.4	

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5161—5220.

mag.	13h.–14h. m	s	—26° ′	
9·0	58	0·9	13·3	
9·6		15·4	1·8	9·5 G
9·3		22·4	19·6	
8·1		32·9	0·8	8·5 Ga
9·7		35·4	51·0	
9·9		38·9	57·8	
8·4		52·7	57·6	9·0 a
9·4		57·4	24·9	
9·8	59	2·9	59·7	
5·3		15·9	4·8	4·0 GSπβ
9·4		21·9	36·1	
9·9		28·9	15·0	
9·8		42·4	2·9	
7·7		54·4	45·3	8·0 GWa
9·9	0	2·4	50·9	
9·8		5·4	16·3	
8·8		19·4	23·0	9·0
9·0		37·6	22·8	8·5
9·9		39·1	25·5	
8·0		47·4	44·9	8·5 Wa
9·1		49·2	59·9	
9·9	1	16·3	41·4	
9·0		18·1	52·9	
9·6		19·6	3·8	
7·6		26·1	3·4	8·2 GWtπ
9·9		28·6	32·9	
9·6		45·6	8·6	
8·0		55·1	36·0	8·5 W=
9·6		57·6	51·6	
8·6		59·1	35·9	9·0 W–
9·4	2	32·6	56·6	
8·5		40·8	47·2	8·5 a
9·2	3	4·8	8·6	
10·0		8·8	37·6	
8·0		17·8	17·2	7·8 Ga
10·0		32·8	8·1	
9·6		41·8	34·2	
9·4		43·0	2·0	
10·0		49·7	41·4	
9·8	4	31·5	0·5	
9·4	5	23·3	5·6	
8·8		28·3	50·7	8·8 –
6·8		36·8	40·2	5·5 GSπβ
7·1	6	5·5	1·6	7·0 GStβ
9·8		25·8	15·1	
9·4		31·8	28·1	
10·0		57·3	49·0	
8·6	7	26·3	31·6	
9·4		30·3	6·1	8·5 a
9·4		48·8	7·8	
9·0		57·8	38·7	8·5 –
10·0		59·8	41·4	
8·6	8	40·8	45·9	8·5 a
8·9		59·8	12·5	
9·8	9	11·8	4·2	
8·6		29·3	8·2	9·0 =
9·8		32·8	44·8	
10·0		36·8	29·3	
9·6	10	7·3	50·7	
9·6		10·8	40·0	
25pr.	+1	25·3	−7·2	

5221—5280.

mag.	14h. m	s	—26° ′	
7·2	10	23·3	22·6	7·5 GStπ
9·6		24·8	30·1	
9·8		24·8	44·0	
9·8		45·3	37·9	
9·8		59·8	29·2	
8·2	11	1·0	56·5	8·3 a
8·6		37·3	51·5	9·5 a
9·6		44·8	15·4	
9·2		52·8	41·7	9·0
8·2		54·8	15·4	8·0 G–
9·0		54·8	20·0	9·0
7·8		55·8	33·7	7·0 GStπ
9·6	12	9·8	33·6	
10·0		55·3	36·7	
9·2		55·8	23·4	
9·4		57·9	22·1	
9·8	13	25·9	59·6	
9·8		49·9	20·4	
9·2		54·9	18·6	9·5
9·4	14	16·9	59·2	
7·7		29·9	44·8	8·0 GSat
10·0		39·9	38·2	
9·8		45·9	28·2	
10·0		49·9	50·1	
9·2		50·9	56·2	
9·2		54·9	43·2	9·0
10·0	15	18·9	29·9	
10·0		27·9	12·4	
8·4		29·9	12·9	8·0 GSa
10·0		42·9	32·5	
9·8		55·4	45·3	
9·8		57·9	36·3	
9·0		58·9	20·4	
9·8	16	10·4	27·2	
8·2		25·9	46·7	8·5 W
9·0		52·9	39·6	
7·9	17	10·9	11·4	8·2 Ga
10·0		18·9	17·9	
9·6		38·4	47·2	
9·8		41·9	32·9	
9·4		41·9	26·5	
9·2		58·9	47·1	
10·0	18	12·4	14·0	
8·6		26·1	57·4	8·3 a
8·3		32·9	10·1	8·0 W≡
7·4		35·4	17·0	GSb=c
10·0		42·4	12·0	
9·4		43·9	33·0	
8·3		50·9	39·5	8·0 GWa
10·0	19	6·4	58·6	
8·6		25·9	17·5	8·0 Gatπ
9·8		36·4	21·4	
8·0		37·9	35·5	8·2 Ga
9·4		58·9	54·6	
8·5	20	1·4	1·5	9·0 –
10·0		11·4	12·3	
10·0		12·9	10·4	
9·0		21·9	51·8	9·0
10·0		32·9	27·3	
8·0		46·4	44·8	8·0 G≡
	+1	26·1	−6·9	

5281—5340.

mag.	14h. m	s	—26° ′	
8·4	21	6·4	17·1	8·5 W
8·6		15·4	44·8	9·5
10·0		24·4	27·2	
9·2		28·9	41·1	
9·2		36·4	47·6	
9·0		57·9	33·5	
9·8	22	12·4	43·8	
9·2		32·9	52·3	
10·0		51·4	48·4	
9·8	23	1·9	59·7	
10·0		1·9	41·7	
10·0		12·9	33·7	
9·4		13·9	58·3	9·5 G
9·4		22·5	0·1	
10·0		24·9	36·0	
7·5		31·2	16·6	8·5 GSb
8·8		37·4	29·7	–
9·2		52·9	51·9	
9·8	24	2·9	53·2	
8·6		15·5	1·8	9·0 =
7·6		57·6	13·7	7·5 GSka
9·2	25	1·5	26·2	
8·8	26	3·1	33·2	9·5
9·4	27	52·1	47·9	
9·9	28	3·1	55·4	
8·5	29	23·9	2·0	8·8
8·6		31·1	58·6	
9·0		37·1	50·7	
9·9		53·6	52·6	
9·2	30	23·1	9·4	
9·6		39·1	30·4	
9·2	31	42·1	11·2	
9·6		47·6	16·8	
9·9		48·6	48·3	
9·3	32	12·1	33·9	
9·2		23·6	7·4	9·5
7·2		24·1	10·8	7·0 GSlπ
9·2		31·1	9·3	9·2
7·7		41·6	35·4	7·5 GSa
9·1	33	5·1	41·9	
9·0		16·1	6·2	9·0
8·4		27·1	11·4	8·5
9·3		43·6	54·8	
9·2		58·9	58·0	
8·8	34	21·6	15·1	9·5
8·8	35	8·4	2·8	
9·8		27·0	26·4	
9·6		35·6	25·3	
8·8	36	3·1	49·2	9·0
9·0		3·1	9·2	
9·1		9·6	18·4	
8·8		34·1	8·8	
8·6		40·1	49·5	8·5 –
8·8		46·1	37·8	9·5
8·8	37	2·6	29·1	9·5
9·4		34·1	21·8	
8·8	38	3·1	40·7	8·5 Ga
7·6		13·6	24·7	8·2 Ga
9·6		14·6	28·8	
9·3		28·1	57·4	
	+1	27·0	−6·6	

5341—5400.

mag.	14h. m	s	—26° ′	
9·7	38	46·1	45·7	
9·3	39	32·1	37·9	8·5
8·0		33·1	43·1	8·0 a
9·4		36·0	31·8	8·5
8·2		43·5	57·2	8·8 a
9·3	40	2·0	15·2	
9·3		13·5	48·4	
9·8		36·0	23·8	
6·1		39·0	7·2	6·5 GSπβ
9·0	41	30·0	21·1	
8·8	43	10·0	0·1	8·8 –
9·9		27·2	1·6	
9·4		44·0	32·2	
9·7		45·0	12·9	
8·4	44	53·5	6·4	8·5 a
9·9		56·2	20·1	
8·5		57·5	37·3	
9·7	45	2·7	57·9	
8·3		29·5	44·0	9·0 –
9·6		32·5	3·7	
9·6		33·0	45·0	10·0
9·9		54·0	45·0	–
9·8	46	1·0	11·1	
8·4		8·5	45·3	8·8 =
8·3		37·5	13·2	8·5 –
10·2		51·0	0·7	
10·2	47	3·0	43·6	
9·3		46·3	27·8	
10·2	48	3·5	25·1	
10·2		12·5	41·5	
8·8		33·5	37·0	9·0 =
10·2		53·5	9·3	
9·4	49	0·9	58·5	–
10·2		26·2	15·4	
8·6		38·2	17·7	8·2 GWa
10·2		57·2	2·9	
8·6		59·2	48·9	=
10·0	50	2·7	27·0	
9·5		3·2	51·1	
10·2		12·2	34·4	
9·1		20·7	31·1	–
8·8		48·2	45·3	8·5 =
8·0		57·2	49·4	8·0 Ga
10·2	51	8·2	53·9	
8·6		26·2	53·8	8·8 –
10·2		40·7	48·2	
9·3		42·7	9·0	
10·2		52·2	15·3	
9·5	52	6·2	52·5	9·0 G
10·0		18·2	54·9	
10·2		51·2	24·0	
8·8	54	0·7	28·1	9·2
10·2		9·2	25·2	
10·2		13·2	40·1	
10·2		26·2	25·7	
9·6		45·2	2·1	
9·6		55·7	1·7	
8·6	55	3·2	54·4	9·0
10·2		46·3	48·1	
10·2		52·2	5·7	
	+1	28·0	−6·2	

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5401—5460.				
	14ʰ·–15ʰ·		—26°	
mag.	m	s	′	
9·8	56	7·2	43·7	
9·3		24·7	7·3	
10·2		25·7	53·6	
9·5		47·2	9·7	
9·4	57	3·2	44·6	
8·4		15·2	34·7	8·8 =
10·2		27·7	52·6	
10·2		38·7	53·1	
8·2		59·7	21·6	8·5 W–
10·2	58	27·2	1·9	
10·2		43·0	0·4	
8·5	59	27·7	20·2	8·5 GWa
9·1		33·2	12·0	9·0
10·0		35·2	15·8	
7·4		43·1	59·6	8·0 G=
9·8		59·1	1·8	
10·2	0	21·3	5·8	
10·2		32·3	56·3	
8·6		59·3	13·8	8·5 GSa
10·2	1	27·3	7·1	
8·1		33·5	1·0	7·5 GSal
9·4		43·3	39·4	
9·3	2	7·3	48·9	
10·2	3	21·8	11·1	
8·8		57·4	59·6	8·6 Ga
9·3		58·3	50·9	8·8 a
10·2	4	4·3	30·0	
10·2		34·0	0·0	
10·2	6	29·3	7·0	
9·8		40·3	36·5	
10·2		52·3	58·4	
9·3		54·3	23·2	
10·2	7	23·3	49·6	
10·0		26·3	17·8	
10·2		45·8	59·7	
10·0	8	24·3	34·7	
8·0		26·8	33·4	8·2 a
9·5–		49·3	10·6	
8·6	9	25·6	41·3	9·0 –
8·2	10	25·0	32·1	7·8 a
9·4		58·3	43·3	
8·6	12	10·8	17·8	8·0 b
9·2		33·9	0·0	9·2
8·1	13	7·4	34·1	8·0 G=
8·4	14	43·4	33·1	8·0 Ga
8·4	15	18·4	58·5	8·5 Ga
7·4		29·4	14·3	6·8 GSa
9·4	16	2·4	12·0	
8·2		7·4	48·6	8·5 Wa
9·2		13·4	30·8	8·5 Wa
7·5		33·4	51·4	7·5 GSct
8·8		33·4	33·7	9·5
8·4	17	41·4	18·4	8·0 G–
8·1		42·9	7·7	8·1 =
8·7	18	2·9	10·7	9·2
9·2		29·9	27·8	
8·6		36·9	15·8	8·8 –
9·6	20	2·9	37·8	
9·6		34·9	43·9	9·5 G
8·7		36·9	41·8	9·0 G
25pr.	+1	29·0	–5·7	

5461—5520.				
	15ʰ·		—26°	
mag.	m	s	′	
8·4	20	39·4	53·2	8·0 Ga
9·1		49·4	40·9	9·5 G
9·4	21	1·9	25·3	9·0 –
9·2		9·1	59·8	9·0 G
8·7		15·9	4·7	9·5 –
9·8		21·9	32·2	
8·4		57·4	10·3	8·5 a
9·0	22	9·9	15·1	10·0
8·7		53·4	50·5	9·2 –
9·8		53·9	32·9	
10·0	23	50·4	48·1	
9·8	24	46·4	27·0	
8·3	25	2·4	13·7	8·8 a
9·6		18·4	15·5	
9·8	26	26·4	40·0	
9·6		30·4	34·5	
10·0	27	12·5	15·6	
8·2		22·0	43·8	8·0 a
9·8		53·0	3·8	–
10·0	28	53·0	1·5	
7·4	29	36·5	4·7	7·5 GSac
9·0	30	12·0	12·2	8·5 a
8·3	31	12·0	25·7	8·5 a
9·2		27·2	50·1	
9·1–		52·0	45·7	
9·5		52·5	37·8	
8·6	32	9·5	58·0	9·0
9·4		57·5	38·8	
9·4	33	16·5	32·0	
9·4	34	7·0	10·5	
9·0		33·0	25·8	
9·5	35	19·5	57·4	
8·9		33·0	22·3	
9·5		42·5	2·7	
8·4		45·0	4·5	9·0 a
8·9		48·0	31·3	
9·5	36	47·0	51·0	
9·5	37	22·0	31·3	
9·1		25·5	49·8	
9·2	39	3·0	46·9	
8·9		6·5	18·8	–
8·8		11·0	42·8	9·5
9·5		12·0	44·3	
9·3		20·5	56·6	
9·3		31·5	45·4	
8·9		43·0	39·3	9·2
8·4		46·0	41·7	8·2 Wa
9·0	40	14·0	35·1	9·0
8·8		36·0	8·5	9·0 G
8·4		46·0	7·1	8·5 a
9·0	41	10·0	48·2	8·8
9·3		14·5	19·0	
8·3		46·5	9·5	8·5 a
9·2		50·5	35·3	
9·0	42	23·0	13·0	
9·0		24·5	12·9	
8·6		30·5	57·6	9·0 a
8·8		41·8	58·2	
8·4	43	6·8	8·8	8·2 Gb
8·9		27·8	24·5	9·0
	+1	30·2	–5·0	

5521—5580.				
	15ʰ·		—26°	
mag.	m	s	′	
9·5	43	43·3	32·6	
9·5		50·3	50·1	
7·9	44	31·8	8·7	7·5 GSac
8·7		53·8	46·2	9·2
8·9		57·8	43·4	8·8 a
9·5	45	2·8	55·1	
8·2		7·8	42·8	8·0 a
9·5		21·8	16·9	
8·8		23·8	39·2	
9·5		39·3	30·0	
9·2	46	11·8	30·0	
8·7		30·3	52·9	
9·5		37·8	31·9	
9·5		43·3	59·8	
9·2		48·8	51·1	
9·4		52·8	50·5	
6·5		53·8	58·0	6·9 GSac
8·3		57·8	43·3	8·2 G=
9·4	47	13·8	21·8	
9·4		29·3	48·2	
9·5		34·8	19·3	
8·8		35·8	21·8	
9·5		45·3	13·4	
9·4		53·3	25·9	
8·0	48	7·3	22·4	7·5 GSac
8·7		24·3	24·1	8·8
8·9		25·8	35·4	
8·4		28·8	49·1	
9·0	49	12·8	25·1	9·2
9·4		20·8	43·7	
9·4		27·3	29·9	
8·9		55·8	48·2	
8·9	50	21·3	35·8	
9·1		25·8	20·1	9·2
9·5	51	10·3	1·1	
8·8		16·8	35·5	9·0
9·5		20·1	59·1	
8·0		36·8	13·3	8·2 –
8·7		50·8	22·3	
8·2		52·3	39·4	7·5 GSb≡
9·5	52	2·8	40·2	
9·0		23·3	17·7	
8·4		41·8	59·5	8·7 Ga
9·3		45·3	51·9	
9·5		48·3	51·5	
8·6		55·8	17·6	8·5 Wa
9·5	53	2·8	44·7	
8·5		7·9	2·1	9·0
9·5		13·3	59·3	
9·3		22·8	6·3	
8·3		23·8	51·4	8·5 G
9·5		25·3	6·4	
7·8		27·3	41·5	8·0 GWa
9·0		33·1	39·1	
9·5		42·3	55·8	
8·6		42·6	31·0	
8·7		59·3	55·6	8·0 Ga
9·4	54	0·8	51·9	
9·0–		43·9	57·0	
9·4		53·4	54·8	
	+1	30·9	–4·5	

5581—5640.				
	15ʰ· –16ʰ·		—26°	
mag.	m	s	′	
8·2	55	33·9	16·7	8·2 a
9·6		39·7	22·8	
7·6		40·2	21·7	7·5 GSa
9·6		42·0	2·6	
8·6	56	7·4	38·8	9·0
8·8		44·2	58·1	
9·4	57	3·4	43·8	
8·4		4·4	8·4	8·5
9·5		10·4	58·4	
9·0		16·4	19·4	9·0
8·1		23·4	36·2	8·0 ≡
8·7		31·4	40·6	8·5 =
9·0		35·9	4·9	8·5 b
9·4		48·4	42·5	
7·8		52·4	36·9	8·0 Ga
8·8		59·4	50·2	9·0
9·4	58	52·9	58·0	
9·0	59	0·9	46·4	
8·4		3·4	4·6	9·0
8·1		34·4	45·6	8·5 a
9·2		37·4	12·6	
8·9	0	25·4	31·4	
9·0	1	6·4	24·5	
8·8		45·9	53·7	
9·4		51·4	44·3	
9·6	2	5·4	2·8	
8·1		9·4	6·4	8·0 Wa
7·2		37·4	34·6	7·0 GSb≧
8·8	3	47·4	8·4	8·8
8·4		52·4	24·5	–
7·1		54·4	49·3	7·3 GSb≥
8·2		56·4	37·8	8·8 =
8·0		57·4	45·1	8·0 SW
9·0	4	26·4	58·2	
8·7		37·4	9·0	9·0
9·2		43·4	43·0	
9·0		49·4	51·3	
9·6		54·9	43·8	
8·6	5	5·9	33·2	
8·7		9·1	2·5	9·0
9·2		56·4	21·3	
7·8	7	40·4	53·3	7·5 GSa
9·0	9	43·4	1·8	
9·5	10	26·4	49·1	
9·2	11	23·9	39·1	
9·2		58·4	34·0	
8·6	13	36·9	55·9	8·3 a
9·6	14	2·6	44·6	
9·6	15	26·8	31·1	9·5
8·8		44·3	4·5	9·2 –
9·6	16	0·3	17·1	
9·2		45·3	37·1	
9·3		49·0	38·1	
7·5–		49·3	51·6	7·5 GStπ
8·1	17	1·0	30·9	8·2 Ga
10·2		14·2	49·5	
7·5	18	11·5	16·7	8·0 Gatπ
9·8		26·7	23·8	
9·2		40·9	57·9	
9·0	19	15·7	51·2	9·2
	+1	31·4	–4·1	

5641—5700.

mag.	16h. m s	—26° ′	
9·4	19 22·2	27·3	
7·8	31·2	54·3	7·8 Ga
9·3	20 28·2	10·2	9·5
9·4	44·2	11·7	9·0
9·1	44·7	21·6	
10·2	54·2	24·1	
10·2	21 6·2	19·4	
4·2	44·7	9·1	1·2 GSμβ
10·2	22 5·0	17·5	
10·2	7·0	29·8	
8·1	15·7	18·7	8·0 –
8·3	33·2	16·6	9·0
9·6	41·2	9·9	
8·4	53·2	54·2	7·5 G≡
10·2	53·3	46·8	
10·0	23 15·3	54·6	
10·0	24·3	53·5	
9·4	39·3	37·8	
7·3	43·3	15·7	6·5 GSπμ
10·2	54·3	21·9	
8·7	24 3·8	5·7	9·0
9·0	9·3	20·3	9·0
10·0	11·2	8·6	
9·6	16·3	23·5	
10·2	49·3	7·7	
9·3	53·8	18·3	
9·8	25 5·8	22·7	
10·2	17·3	29·1	
9·3	48·3	50·0	
10·2	53·3	47·9	
9·8	26 12·3	6·7	
9·0	22·8	14·3	9·0
9·0	24·3	25·1	9·0 a
10·2	36·2	52·5	
8·1	27 3·3	50·9	8·0 Ga
9·0	22·3	10·3	9·0 a
9·6	24·0	2·4	9·5
8·0	34·3	12·9	8·5 a
9·6	38·0	0·1	
9·2	40·3	16·4	
10·2	28 19·3	27·3	
9·6	43·8	12·0	
10·2	29 3·3	31·5	
9·4	10·3	52·9	9·0
8·6	13·3	49·0	8·8 –
10·0	30 2·3	49·9	
9·3	31·8	46·8	9·0
10·2	36·8	38·1	
10·2	38·3	56·3	
8·2	53·3	44·1	8·0 a
10·2	31 7·8	59·0	
9·6	12·3	13·7	
9·8	17·3	7·1	
9·6	32·3	31·4	
8·6	36·8	12·6	9·0 W
10·2	59·8	24·9	
10·0	32 3·1	43·3	
9·8	13·1	43·3	
9·3	27·1	13·6	
8·2	31·1	12·2	8·8 Wal
25pr.	+1 32·1	—3·3	

5701—5760.

mag.	16h. m s	—26° ′	
8·4	32 32·6	4·4	8·2 GWal
10·0	33 21·1	0·9	
9·0	53·1	51·7	8·2 Ga
9·4	34 6·1	51·7	8·5 Ga
8·7	35 3·1	56·8	7·8 Ga
8·3	23·1	13·0	8·5 W≡
8·7	30·1	28·6	
10·2	52·6	59·5	
10·2	56·6	23·2	
10·2	58·1	11·3	9·5
9·6	36 4·6	52·5	
7·4	8·1	34·0	7·0 GScl
10·2	16·6	29·3	
10·2	18·1	43·6	
9·0	40·1	5·3	9·0 ≥
10·2	48·6	33·7	
10·2	37 3·1	10·1	
10·2	10·9	48·1	
10·0	17·2	58·9	
9·4	38·6	40·6	
10·2	42·9	8·2	
9·4	43·1	44·0	
10·2	50·1	17·0	
9·3	56·1	21·0	
9·6	38 3·6	5·6	
7·3	5·6	24·8	7·0 GScl
9·0	49·1	5·5	9·5
9·1	39 2·6	2·4	9·0 –
9·8	6·1	19·0	
9·8	20·4	28·5	9·5
9·6	23·1	48·4	
9·0	44·1	58·9	
9·4	49·1	40·0	a
10·0	53·1	10·8	
10·0	40 23·1	54·0	
10·0	41 33·1	37·3	9·5 –
8·5	42 3·1	44·8	9·0 a
7·6	27·1	31·3	8·0 Wb≡l
9·0	37·1	36·4	
8·3	58·1	24·3	8·5 =
9·2	43 15·1	33·8	
9·4	35·6	33·6	9·5
8·3	45·1	54·1	8·0 G=
9·2	53·6	28·4	
7·6	44 7·1	39·6	9·5 GWbl
9·0	7·1	28·9	
8·1	29·1	42·2	8·0 GWal
8·5	33·1	48·1	7·8 Gal
8·4	45 12·1	32·3	8·5 Wa
9·0	44·1	56·6	
9·4	54·1	2·0	
9·0	46 29·1	37·0	9·5
9·0	30·1	31·9	9·5 W
9·4	36·6	5·4	
8·2	47 7·1	12·3	8·5 Ga
9·8	13·6	43·6	
9·4	26·8	1·7	
9·6	30·1	26·4	
9·1	43·1	16·0	
8·8	48 3·1	33·6	
	+1 32·4	—2·9	

5761—5820.

mag.	16h. m s	—26° ′	
9·0	48 4·3	57·5	
9·8	42·6	26·7	
9·4	46·1	27·7	
9·4	48·6	32·4	
10·0	49 7·1	18·6	
8·2	13·1	45·1	9·0 ≡
9·4	14·1	37·4	
9·8	18·1	12·0	
9·8	38·1	14·8	
9·6	43·1	3·2	
9·0	43·6	29·0	9·0 Wa
9·4	45·1	33·1	
10·0	54·6	17·6	
9·2	50 15·1	12·7	10·0
10·0	30·6	26·9	
9·4	37·1	55·1	9·0
8·1	45·1	9·6	9·0 a
8·3	45·6	55·1	8·0 GWa
9·1	55·1	49·2	8·5 Wa
9·1	51 17·6	3·6	9·5
9·0	20·1	53·3	
9·1	30·3	57·4	
8·1	37·6	59·2	8·0 GWa
7·9	44·1	10·8	8·2 Ga
9·8	52·1	41·4	
10·0	59·6	3·4	
9·3	52 24·6	45·6	
8·6	43·6	50·9	b
9·2	53 23·1	28·5	
8·6	29·1	32·6	
10·0	36·1	35·8	
9·6	37·1	54·7	
8·3	40·1	27·3	al
9·1	42·6	34·3	
8·8	43·1	38·0	b
7·9	58·1	45·9	Gal
10·0	54 12·1	53·4	
9·0	23·1	8·7	9·5
9·0	32·1	44·7	
9·8	41·3	58·2	
8·1	55 18·1	55·0	7·5 GWal
8·4	27·3	46·1	8·0 a
9·0	34·6	15·1	
8·3	56 30·1	44·8	8·0 Ga
8·8	52·1	5·3	8·5 –
9·3	54·6	54·8	
9·6	57 6·1	27·1	
9·8	11·1	37·3	
9·2	12·1	43·9	9·5
8·6	13·1	23·8	
10·0	17·6	52·8	
9·3	27·6	6·2	
9·4	55·1	11·2	
8·0	58 21·6	24·3	7·5 GSlπ
8·8	23·1	46·2	9·0 b
9·8	36·6	47·5	
9·3	43·6	16·7	
6·4	59 8·1	20·5	7·0 GSπμ
8·8	13·1	55·3	9·5 a
9·3	53·1	34·3	
	+1 32·8	—2·4	

5821—5880.

mag.	16h.–17h. m s	—26° ′	
9·8	59 57·1	9·0	
9·1	0 3·1	18·8	
9·6	26·9	47·8	
8·1	50·9	40·1	9·0 Wa
9·8	53·4	29·0	
9·6	56·4	23·4	
9·3	1 22·9	15·5	9·0 a
10·4	32·7	43·0	
10·4	48·2	2·7	
10·4	56·7	37·9	
neb.	2 23·7	25·1	
10·4	24·7	38·2	
10·4	39·2	12·8	
8·8	48·2	5·0	Ga
9·6	51·2	24·8	
9·6	51·2	50·8	8·5 a
10·2	3 0·0	2·5	
8·2	7·2	17·5	8·5 Ga
8·0	51·7	32·6	8·5 GWtπ
10·4	52·2	3·0	
9·4	4 0·7	56·3	
9·6	0·7	21·8	
10·4	2·2	3·9	
9·8	6·7	15·6	
7·7	24·7	53·1	6·8 GSlπ
10·2	48·7	3·4	
9·2	49·7	51·9	8·2 Gatπ
10·0	5 12·7	14·9	
10·1	13·2	8·6	
9·6	33·8	1·1	9·5 G
10·2	6 10·2	12·6	
10·4	20·7	22·7	
10·0	25·7	41·8	
7·7	26·7	49·9	7·0 GSπβ
9·4	37·2	26·7	
9·8	42·7	9·8	
8·4	7 27·7	23·0	7·0 GSal
5·5	38·7	25·1	6·0 GSμβ
9·6	43·2	4·8	
10·4	55·7	15·6	
9·8	8 22·2	7·9	
9·6	25·7	7·1	9·5 a
8·0	32·7	22·0	7·0 GSμβ
9·8	9 20·2	19·2	a
9·4	25·7	17·9	
7·2	53·7	29·2	7·5 GStπ
10·4	57·6	17·2	
10·4	10 7·7	16·0	
10·0	34·2	10·7	10·0
9·6	41·7	23·7	
9·8	11 42·7	27·1	
8·2	12 15·2	28·5	8·2 GWa
10·4	44·6	34·0	
7·9	45·2	25·1	7·0 GWtπ
10·0	46·7	4·5	
9·8	51·7	54·6	
10·1	13 4·7	29·1	
9·8	33·2	11·2	
8·1	39·7	18·3	8·2 a
7·6	40·7	22·2	7·8 GWtπ
	+1 33·0	—2·0	

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5881—5940.				5941—6000.				6001—6060.				6061—6120.			
	17h.	—26°			17h.	—26°			17h.	—26°			17h.	—26°	
mag.	m s	′		mag.	m s	′		mag.	m s	′		mag.	m s	′	
8·7	13 44·7	12·5	8·5 a	10·2	36 44·3	57·6		9·7	42 13·8	46·2		9·9	45 37·2	7·5	
9·6	14 33·2	32·6		9·9	47·3	27·2		8·4	16·8	46·1	8·0 GWal	10·0	53·2	3·9	
9·0	37·6	5·4	8·0 Ga	9·2	53·8	17·9		8·8	17·3	35·1	a	9·5	57·2	57·8	
10·2	46·6	13·2		8·8	37 1·8	31·6	a	10·2	18·8	52·0		10·2	46 13·1	17·8	
9·8	15 3·5	1·7		9·5	13·8	9·0		10·2	22·7	59·4		9·7	23·2	47·5	
9·4	16 17·7	6·2	8·5 a	10·1	21·8	5·3		10·2	24·6	59·5		10·2	25·2	21·9	
10·1	38·6	13·1		10·1	33·8	34·3		8·3	31·8	17·0	8·5 Ga	10·2	28·1	10·6	
9·8	42·7	10·6		10·2	36·8	12·9		9·8	32·3	38·1		9·3	34·8	41·1	
9·1	47·2	48·5	9·0 ≡	10·2	38·8	45·7		9·5	38·3	45·0		10·2	36·2	12·8	
9·8	52·2	12·9		9·9	45·3	49·4		9·7	48·3	6·2		9·1	37·5	12·3	≡
10·4	17 12·7	16·9		9·9	46·8	49·0		10·1	51·8	48·9		8·8	42·5	35·9	9·0 —
10·4	18·7	19·6		9·2	52·8	35·6		9·4	56·8	39·7		10·1	47·2	35·9	
9·1	33·0	1·9	9·1 a	10·2	54·3	19·1		9·5	57·8	54·3		10·2	51·8	14·9	
9·6	44·2	29·6		10·1	38 1·8	47·2		10·2	58·3	44·5		9·5	52·8	22·8	
10·4	44·6	2·2		10·0	3·8	29·3		10·2	43 2·3	3·8		10·2	47 5·7	47·9	
10·4	47·6	44·4		10·0	6·8	41·5		9·8	3·3	58·9		10·2	10·4	43·6	
9·2	56·2	52·7	9·2 b	8·3	12·8	55·2	8·0 Gtlπ	10·2	5·3	18·2	9·5	10·2	13·2	47·1	
9·6	18 0·2	7·7		9·9	31·3	32·9		9·5	6·3	45·2		10·2	17·1	7·5	
9·8	13·4	11·8		9·3	32·8	27·1		10·0	21·8	31·0		9·2	22·0	4·9	
10·4	19 0·4	16·1		10·2	37·8	55·0		9·9	27·8	52·3	9·5	8·6	23·0	16·6	a
7·9	5·4	13·2	7·5 GSal	10·0	38·8	44·0		9·1	30·3	49·9	9·5	8·8	23·2	5·5	
10·4	6·4	19·8		9·3	38·8	8·8	8·8 =	9·2	32·3	12·1		10·2	26·2	3·5	
9·6	29·9	15·2		10·2	47·3	9·5		10·0	39·3	47·5		10·0	27·5	58·5	
8·7	21 2·9	37·3	8·5 a	9·3	57·8	12·7		9·5	39·8	30·0		8·5	48·3	54·3	9·0 GWa
10·4	16·9	53·8		9·6	57·8	14·0		10·1	43·3	33·3		10·4	51·8	31·5	
6·3	23 58·9	10·4	6·2 GSπβ	9·1	58·6	26·5		10·2	43·8	20·4		10·4	52·3	40·5	
9·5	25 54·9	39·8		10·2	39 3·6	45·7		10·0	44·3	26·8		10·4	48 6·3	53·7	
8·8	26 58·9	39·0	8·5 a	10·2	12·6	26·9		10·0	45·3	47·4		9·2	16·3	49·2	a
9·8	28 2·4	49·9		10·0	14·1	54·2	—	9·2	52·3	50·2	9·0 a	9·8	22·3	50·3	
9·3	2·7	59·0	—	9·0	21·3	58·1	a	10·2	44 2·8	51·0		10·0	33·1	8·9	
9·8	53·9	53·1		10·2	28·6	2·0		9·3	3·3	56·8		10·4	33·1	42·9	
9·5	54·9	45·0		8·8	46·6	17·8	=	10·0	5·8	54·5		8·0	36·1	44·7	7·5 GScl
9·9	29 33·9	26·6		10·2	48·1	28·2		10·2	9·8	33·8		10·2	50·1	39·9	
9·3	48·9	43·0		9·6	53·1	22·1		9·2	9·8	14·8		9·5	54·1	10·7	
9·1	53·9	40·2		10·2	53·1	19·1		9·8	16·3	48·0	9·5	9·2	49 8·6	5·9	
10·1	30 15·9	11·0		10·2	56·6	34·0		8·5	16·3	51·6	8·5 a	9·8	10·1	15·0	
9·8	18·9	17·4		10·1	40 3·6	12·6		9·1	16·3	51·9	10·0	10·3	16·1	45·3	
10·2	35·9	17·7		9·3	7·6	23·5		9·9	21·3	18·2		10·4	18·1	35·5	
9·7	36·6	57·4		9·3	10·6	34·6		9·8	26·2	29·6		10·4	18·1	33·8	
10·2	46·4	56·4		10·1	12·6	4·6		9·5	26·2	58·2		9·9	18·5	2·7	
10·2	58·4	31·6		9·1	13·6	43·0		9·7	26·3	52·3	9·5	10·4	19·1	41·8	
7·9	31 17·9	51·6	7·8 GWal	9·5	16·6	38·4		10·2	32·2	55·5		10·0	22·6	35·2	
10·0	32·9	47·0		10·2	29·6	52·2		9·6	33·2	57·8		10·0	23·1	8·9	
10·0	40·9	42·6		10·1	30·1	35·0		9·3	33·2	34·3		10·2	28·1	43·6	
9·2	40·9	33·8		10·2	32·1	18·0		10·1	36·2	15·0		10·2	45·6	53·1	9·5
9·0	32 38·4	25·5		10·2	38·6	43·1		10·2	38·7	7·7		9·8	47·6	40·1	
9·5	54·9	50·8		7·0	38·6	55·6	6·8 GSπμ	9·0	41·1	59·7		9·9	54·2	57·1	
10·2	33 15·9	48·5		9·8	40·6	54·1		10·2	42·2	47·7		10·2	56·6	52·1	
10·2	22·3	42·9		9·7	47·1	31·5		10·0	44·2	7·1		9·6	50 1·1	59·7	9·0 a
9·9	32·8	38·2		10·1	50·6	29·7		10·2	58·7	29·9		9·6	1·1	49·1	a
9·4	34·8	53·7		8·8	56·6	57·7	9·0 a	10·2	45 10·2	39·7		9·8	12·6	34·2	
8·4	34 16·8	46·7	8·0 Gal	10·2	59·1	32·3		9·6	12·2	1·1	9·5 b	9·8	18·1	6·1	
10·1	22·8	14·1		9·0	41 9·6	50·7	9·5 a	10·0	13·7	41·5		9·6	18·9	58·2	
9·3	35 22·8	6·8		10·2	26·6	29·7		9·7	15·2	17·9	—	10·4	23·1	52·3	
10·0	31·8	42·1		10·0	32·6	42·9		9·2	15·2	58·2		10·2	33·1	14·9	
10·2	45·3	37·0		10·2	33·6	40·3		10·1	17·2	51·3		8·9	41·1	4·5	9·0 a
10·0	36 5·3	21·4		10·1	40·6	27·0		9·5	22·2	59·6		9·3	51 2·1	48·7	Wa
8·5	10·8	14·7	9·0 Gal	9·9	42·6	34·9		10·1	23·7	44·7		10·4	6·1	33·9	
10·1	12·8	20·5		10·0	46·1	34·0		9·2	36·2	37·5		9·3	12·1	31·3	
9·8	33·8	15·9		9·8	48·6	15·2		9·4	36·2	37·9		10·3	15·1	50·4	
25 pr.	+ 1 33·3	− 1·2			+ 1 33·4	− 0·8			+ 1 33·4	− 0·6			+ 1 33·5	− 0·4	

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6121—6180.

mag.	17h. m	s	—26° ′	
9·8	51	17·1	16·0	
9·6		21·1	28·5	
8·6		36·1	23·3	
9·2		36·1	33·1	
10·3		42·6	27·7	
10·3		42·6	44·9	
10·2		48·1	51·9	
9·3		49·6	37·7	
10·2		53·1	47·4	
9·2		54·1	31·1	
9·5	52	3·1	47·8	
9·8		4·1	18·1	
10·0		5·1	36·7	
9·6		9·1	25·3	
10·2		9·6	21·4	
10·0		11·6	5·9	
9·6		12·1	10·7	
9·8		16·1	16·7	
10·4		17·1	33·0	
9·8		18·1	35·7	
10·4		21·6	34·7	
9·5		44·6	56·7	
8·9	53	0·1	10·7	9·5 a
10·4		3·1	11·8	
8·8		10·1	12·7	8·5 Ga
9·9		11·6	42·3	
10·4		17·1	53·3	
9·8		23·1	50·0	
9·6		33·1	16·9	9·5 a
10·4		34·1	29·5	
8·9		34·4	58·0	8·5 G—
9·4		35·6	45·9	
9·8		36·1	26·3	
10·4		45·6	34·1	
9·4		51·1	11·3	
9·6		58·6	37·1	
10·4	54	3·1	30·9	
9·8		3·6	39·7	
10·4		4·6	19·9	
8·8		16·9	28·6	
10·0		19·6	2·4	
10·3		21·9	52·8	
10·3		31·4	12·8	
10·0		31·9	25·2	
9·0		36·6	0·9	a
10·4		36·9	4·3	
9·8		38·4	51·1	
8·6		44·9	6·5	a
10·3		52·9	5·6	
9·2		56·9	53·6	
8·6		59·9	17·2	
10·4	55	0·3	0·1	
10·3		3·4	44·0	
9·9		5·9	33·2	
10·0		15·9	35·0	
10·3		22·4	46·6	
9·9		24·9	40·0	
10·0		28·9	8·5	
10·0		29·9	58·7	
10·2		32·9	35·2	
25pr.	+1	33·5	—0·2	

6181—6240.

mag.	17h. m	s	—26° ′	
9·2	55	35·9	58·5	9·0
7·9		36·9	18·9	7·5 Gal
10·4		38·9	16·1	
9·5		41·4	41·6	
10·0		51·9	15·0	
10·0		51·9	49·7	
8·1		51·9	52·2	8·0 b=l
9·8		58·4	44·5	
9·2	56	0·4	50·4	9·5
9·8		0·4	20·0	
10·3		5·9	42·0	
10·3		5·9	7·0	
8·5		21·9	2·0	9·0 a
9·8		22·4	13·4	
10·0		25·9	5·2	
9·6		29·0	59·7	
9·9		32·4	39·0	
9·8		32·5	2·9	
10·3		36·9	3·7	9·5
10·3		41·4	49·4	9·5 G
8·2		41·9	51·1	8·0 Gb≡l
10·4		42·9	25·7	
10·0		45·4	20·9	
10·4		45·9	53·5	
10·3		46·9	51·9	
10·4		47·9	4·9	
8·4		53·3	1·3	9·0 a
10·3		55·9	10·9	
9·2		57·9	7·2	9·5 a
10·4		58·4	49·2	
9·9		58·9	39·3	
10·4	57	1·9	52·0	
10·4		21·9	33·2	
10·4		22·9	18·0	
10·2		29·9	44·0	
10·3		32·4	46·2	
10·4		32·9	42·8	
8·7		35·9	38·0	—
9·2		35·9	29·2	
9·6		36·9	4·6	
9·6		40·9	31·5	
10·0		41·9	50·6	
9·2		43·9	12·4	a
10·0		45·9	52·0	
10·4		50·9	49·8	
10·0	58	1·9	47·0	
8·8		3·9	34·0	
10·2		5·9	10·2	
9·8		5·9	6·5	
8·0		9·0	58·9	9·0 ≡
10·0		19·4	42·9	
10·2		21·4	22·9	
10·2		21·9	17·2	
9·6		22·9	38·7	
9·8		23·4	27·6	
8·6		27·9	47·8	8·5 =
8·9		31·9	17·2	a
10·4		32·9	43·2	
10·2		34·9	44·0	
8·6		37·9	12·3	a
	+1	33·5	—0·1	

6241—6300.

mag.	17h.–18h. m	s	—26° ′	
9·2	58	41·9	1·8	
10·4		49·4	20·0	
9·5		55·4	48·2	
10·4		56·4	10·0	
9·0		57·9	44·8	
10·3	59	1·9	15·8	
9·2		8·7	18·1	
8·6		9·7	7·1	9·0 a
9·4		11·7	6·6	9·5 a
9·6		12·7	16·2	
10·3		13·7	6·4	
9·6		17·7	53·5	
10·4		20·7	11·3	
9·2		24·7	14·9	
10·4		25·7	38·2	
9·9		25·7	16·7	
9·3		27·7	23·9	
10·2		31·7	30·0	
8·8		31·7	8·3	9·0 a
10·4		32·7	0·8	
10·4		37·2	10·8	
10·4		37·7	18·9	
10·4		41·7	28·7	
9·6		43·2	21·2	
9·6		45·2	20·4	
8·7		47·7	42·3	—
10·4		48·2	31·6	
10·3		51·7	36·3	
10·0		58·2	4·7	
9·2		59·7	11·5	
9·9	0	5·7	8·2	
9·2		5·7	32·0	
10·4		8·7	16·2	
10·0		11·7	41·4	
9·6		12·7	50·3	
10·0		20·2	31·2	
9·6		32·7	55·4	
10·0		33·7	42·0	
9·5		35·7	53·7	
10·3		36·8	53·4	
10·4		44·2	0·0	
10·4		44·8	14·1	
10·4		47·2	54·6	
10·4		50·2	59·9	
10·4		52·2	35·4	
9·8		54·2	17·0	
10·0		56·7	4·4	
10·0		57·7	59·2	
9·9		57·7	5·6	
10·4		59·7	1·0	
8·8	1	0·7	52·9	
9·2		1·7	34·0	=
9·4		1·7	1·7	
10·4		1·8	30·0	
9·6		7·7	41·2	
9·8		15·2	36·1	
9·0		15·7	18·4	a
9·5		18·7	18·8	a
10·4		20·7	48·2	
8·0		29·7	7·3	7·8 GSlπ
	+1	33·5	0·0	

6301—6360.

mag.	18h. m	s	—26° ′	
9·6	1	37·7	31·0	
8·6		44·2	21·6	a
9·2		45·7	48·7	
10·3		45·7	20·4	
10·0		45·7	5·2	
9·2		49·7	41·8	
9·8		57·7	41·2	
10·3	2	0·2	41·6	
10·2		2·2	33·6	
9·8		2·7	15·9	
10·2		3·7	27·8	
10·4		11·2	24·2	
10·2		18·2	12·2	
10·4		21·7	21·4	
9·2		25·2	47·3	
10·2		27·7	31·1	
9·2		29·2	7·6	9·5
10·4		41·7	32·0	
10·4		46·2	32·8	
8·0		47·7	3·2	8·0 Gtlπ
9·6		51·7	56·5	
10·0		54·7	47·0	
10·0	3	1·7	57·1	
10·4		2·7	17·4	
10·4		3·7	20·9	
10·3		10·2	30·7	
10·4		14·2	2·9	
9·6		15·7	41·9	
10·2		16·2	51·0	
10·2		24·2	32·4	
10·4		26·7	31·0	
10·0		27·2	50·0	
9·0		29·7	40·0	=
10·3		31·7	52·0	
10·0		35·2	0·9	
10·4		49·7	32·3	
9·8		49·7	8·5	9·5 a
9·0		52·9	1·9	—
9·6	4	2·2	1·9	9·5 Ga
8·6		2·2	2·7	9·5 Ga
10·4		3·7	59·9	
10·4		9·7	51·9	
9·5		12·7	41·0	
8·2		17·7	25·2	8·5 Gam
10·4		21·7	34·1	
10·4		30·7	51·2	
9·6		38·7	19·9	
9·2		43·7	45·6	
9·6		50·7	50·5	
10·3	5	3·5	5·7	
8·6		12·5	55·1	a
9·2		16·5	6·5	
10·4		28·0	42·1	
10·3		45·5	48·6	
10·2		55·0	51·0	
10·0		57·7	58·0	
10·4	6	4·0	28·8	
9·2		11·5	46·1	
10·4		18·5	59·8	
9·6		20·5	29·6	
	+1	33·5	+0·1	

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6361—6420.

mag.	18h. m	s	—26° ′	
9·8	6	34·5	46·1	
10·3		37·0	34·4	
10·4		41·0	57·8	
8·6		42·0	13·8	9·0 a
9·6		48·1	58·0	
10·0		56·5	45·6	
10·3	7	11·5	19·0	
10·4		12·3	49·1	
9·0		24·0	20·8	8·0 Gam
9·6		33·0	40·2	
9·3		37·5	48·1	
9·4		45·0	42·6	
8·4		52·5	21·8	8·5 Gam
8·9		56·5	26·8	9·5 a
10·4		57·3	43·8	
10·4	8	1·8	58·0	
10·3		16·5	50·1	
9·8		20·0	46·6	
10·0		27·8	38·0	
10·0		45·5	2·0	
10·4		51·5	15·9	
10·4		52·0	15·8	
9·8		57·1	6·6	
10·0	9	9·6	31·6	
10·4		25·1	14·3	
9·0		27·6	36·8	
10·4		35·8	59·6	
10·4		42·0	53·8	
10·4		48·1	3·2	
9·9		48·1	3·4	
9·8		50·8	21·0	
8·9		53·4	13·3	
10·4	10	5·4	5·0	
9·6		7·1	40·4	–
10·4		12·9	38·5	
9·0		14·5	12·4	
9·2		24·2	25·7	
8·8		25·7	11·9	
10·2	11	5·1	0·5	
9·9		5·2	18·4	
8·6		18·2	47·1	
9·1		24·5	26·2	
8·5		38·5	22·2	8·0 Gb≡l
9·5	12	0·0	44·7	
9·1		18·5	16·1	8·5
8·4		19·0	13·3	9·0 –
10·2		38·0	31·9	
9·0		48·0	28·7	
10·2		58·8	4·2	
7·4	13	26·5	8·3	7·0 GScl
10·0		45·0	48·5	
9·5		55·5	18·2	
9·0	14	33·0	37·9	
8·1		34·0	28·3	8·5 GWtπ
8·4		37·7	58·1	8·8 G≡
9·2		41·0	54·1	9·0
8·5		41·7	58·0	8·8 –
9·0		50·5	30·1	W–
9·6		55·0	30·8	W
10·0	15	6·0	44·9	
25pr.	+1	33·5	+0·4	

6421—6480.

mag.	18h. m	s	—26° ′	
10·2	15	13·0	23·0	
8·8		26·0	49·9	9·0 –
9·6		39·0	2·2	9·0 –
9·2		41·5	8·7	
8·2		47·5	13·7	8·0 Gal
10·2		50·5	19·6	
8·6	16	2·5	25·7	9·0 Wm
9·0		18·5	11·5	
8·5		23·0	30·5	7·5 GWbl
10·0		23·0	55·7	
10·0		35·0	22·9	
9·6		40·0	52·9	9·0 a
10·0		44·0	53·8	
9·9		45·8	54·1	
10·0		51·5	30·3	
8·2		52·5	33·2	9·0 Waml
9·4		58·7	58·6	
9·8	17	3·5	50·5	
10·0		16·0	0·3	9·5 ≡
9·6		38·0	41·2	
9·4		46·0	47·7	
9·1		49·0	21·9	
9·6	18	2·0	26·9	
9·6		24·5	41·7	
10·2		27·0	28·3	
9·8		28·0	28·7	a
9·6		30·5	56·1	
9·2		34·0	23·7	
10·2		47·0	49·9	
9·4		59·0	9·1	
10·2		59·5	56·7	
10·2	19	9·0	38·1	
8·6		11·0	36·2	b
10·2		14·0	36·1	
9·0		14·5	39·5	b
9·8		35·5	5·9	
9·6		37·5	3·3	
10·0		38·5	4·9	
10·0		47·0	40·1	
10·2		48·0	43·3	
9·1		49·0	23·0	
10·2		51·7	31·8	
6·6		56·5	42·3	7·0 GScl
8·8	20	10·5	54·9	8·8 G
9·4		13·5	40·1	
9·5		18·5	27·9	
6·6		18·5	49·7	6·8 GScl
8·3		20·5	50·5	9·0 Wam
9·8		21·5	9·9	
8·4		23·0	15·2	=
10·2		32·5	36·3	
10·0		33·0	40·6	
10·0	21	2·0	41·3	
8·2		9·5	40·1	8·0 GWac
6·8		10·0	39·4	7·0 GScl
9·1		24·5	44·7	
10·2		45·5	35·9	
8·8		49·0	44·9	
9·4		51·0	38·7	
10·2		59·0	47·6	
	+1	33·4	+0·7	

6481—6540.

mag.	18h. m	s	—26° ′	
8·8	22	6·0	6·1	8·8 am
9·5		36·0	48·7	
10·2	23	8·0	17·7	
10·2		18·9	43·0	
8·8		45·4	18·9	
9·2	24	3·4	46·1	
10·2		24·0	58·6	
9·5		24·4	54·7	
10·2		24·4	31·6	
8·2		26·4	34·6	8·5 b>ml
10·0		30·9	4·9	
9·9		52·9	26·2	
10·2		54·5	15·0	
10·0	25	7·9	21·6	
8·6		18·4	16·5	9·0 ≡
8·8		26·9	30·6	
9·6		38·9	25·0	
8·8		43·7	57·6	9·0 am
10·2	26	7·4	38·3	
8·6		11·4	53·2	8·5 am
9·8		11·4	13·0	
9·4		46·4	19·3	
10·2		53·4	2·8	
8·6	27	4·4	34·1	9·5 M–m
9·5		40·9	12·9	
9·8		48·4	22·5	
9·1		53·4	36·7	
9·2		57·4	54·7	
10·2	28	17·9	49·9	
8·8		19·4	20·0	Mm
9·0		22·4	40·0	=
9·6		24·4	36·6	
9·6		33·4	48·6	
10·2		43·9	57·1	
9·6		46·9	48·1	
9·6		58·4	15·6	
9·6		59·4	14·5	
8·1	29	2·9	23·3	8·5 Gaml
10·2		42·9	26·1	
10·0	30	13·4	53·2	
9·4		31·4	43·1	a
10·2		58·4	50·4	
10·2	31	25·4	54·2	
9·6	32	21·8	43·7	
10·1		45·3	35·5	
9·5	33	16·8	18·0	
8·3		19·8	51·2	9·0 Gam
9·8		42·3	39·8	
9·8		49·8	4·1	
8·8	34	2·8	24·6	=
9·4		16·3	19·3	
9·0		28·3	23·7	–
8·8		47·8	43·2	8·5 ≡
10·1	35	33·3	54·6	
9·8		36·8	17·0	
9·8		43·3	52·3	
9·6		49·8	12·3	
9·5		57·3	20·3	9·0 M=m
9·5	36	13·8	23·9	
10·0		22·8	45·3	
	+1	33·3	+1·0	

6541—6600.

mag.	18h. m	s	—26° ′	
9·4	36	43·8	21·0	
10·0	37	18·3	44·8	
10·0		26·8	8·4	
10·1		27·8	10·6	
8·8		45·6	58·2	9·2 a
10·1	38	8·0	44·0	
9·4		13·5	44·6	
9·8		21·0	5·9	
9·2		22·0	36·0	a
9·2		22·5	45·3	
10·1		26·0	33·7	
10·0	39	21·0	22·8	
8·8		26·0	20·6	ma
9·5		28·5	5·2	
9·6		32·0	33·1	9·5
10·0		37·0	47·6	
9·4	40	6·0	6·2	9·5 G–
9·5		6·0	22·7	
9·8		16·0	35·0	
10·1		36·0	55·0	
8·6		56·0	59·2	8·8 ≡
8·8	41	9·5	11·0	9·5 –
10·0		21·5	3·3	
9·0		22·0	32·3	8·5 GM≡m
9·4	42	14·5	14·4	
9·1		15·0	5·3	G–
9·5		18·0	32·6	
9·2		26·0	56·2	10·0
10·1		28·5	36·0	
9·8		41·5	35·2	
9·8		49·0	36·8	
7·6		51·0	54·6	8·0 GSlπ
9·0		58·0	28·8	
9·0	43	3·2	59·1	9·5
10·1		6·2	6·7	
10·0		6·5	48·9	
9·0		27·0	9·7	9·3 M=m
9·4		32·5	52·0	
9·6		51·0	45·5	
10·0		59·5	50·1	
10·1	44	2·5	45·7	
9·1		8·5	51·2	9·8
7·7		42·0	47·7	7·0 GScl
9·6		52·5	28·4	
8·6	45	12·0	32·2	8·0 Gb≡l
10·1		23·5	44·6	
10·1	46	32·2	43·0	
9·6	47	8·7	30·0	
10·1		26·2	49·4	
2·9		30·2	27·0	3·0 GSμβ
9·1	48	4·2	5·5	–
9·6		19·7	48·1	
9·2		31·2	51·7	9·0 –
8·8		36·2	16·8	Mm
9·6		40·3	49·5	
10·0	49	2·2	53·1	
9·0		3·2	52·1	9·5
9·8	50	48·2	54·0	
10·1		53·2	7·6	
10·1	51	2·7	59·7	
	+1	33·2	+1·6	

6601—6660.

mag.	18ʰ.–19ʰ. m	s	—26° ′	
8·3	51	19·7	21·4	b≡l
9·8		19·7	18·9	
8·8		41·7	39·8	8·5 ≥
8·6		47·2	6·8	
9·0		57·2	10·6	
10·1	52	7·2	0·7	
9·6		7·2	3·0	
9·8		19·2	51·2	
10·0		26·7	17·2	
8·8		32·2	21·1	8·5 M=m
9·6		50·7	37·5	
9·1		56·7	50·4	–
9·4	53	23·7	33·9	
10·1		37·7	27·0	
9·2		41·2	40·2	
10·1		45·5	17·3	
10·0		47·0	36·5	
10·4		49·0	14·4	
8·2		58·0	10·8	8·0 Gb=l
10·2	54	12·8	10·2	
10·0		31·5	47·5	
10·4		36·0	9·3	
10·4		56·5	47·0	
9·6	55	5·3	45·1	
9·2		8·0	31·2	–
10·4		16·0	42·5	
9·0		18·0	42·4	
10·4		20·5	37·8	
10·0		23·5	28·8	
9·8		26·0	43·0	
10·0		42·0	57·4	
9·2		42·5	8·7	9·0 Ga
10·2		54·0	16·5	
9·4	56	24·0	53·0	
8·6	57	27·5	19·3	8·0 G≡
8·6	58	0·0	49·5	9·0 Gam
9·6		1·5	43·2	9·5
9·4		6·0	31·1	
9·9		12·0	5·0	
8·8		18·0	39·4	
9·2		21·0	26·0	=
9·8		22·3	59·2	
9·8		23·0	45·1	
10·0		46·5	19·0	
9·7		48·2	0·5	9·5 –
9·6		48·5	46·1	
10·4	59	2·3	45·7	
9·2		10·8	24·9	
10·4		24·6	47·6	
8·8		26·3	31·1	9·5
10·2		30·8	37·7	
10·4		45·3	17·8	
9·1		50·8	17·7	
10·4		53·3	54·0	
8·8		55·3	11·4	9·0 –m
8·6	0	12·3	32·3	9·0 M–m
10·4		12·8	58·6	
9·8		28·3	1·6	
9·6		28·3	16·1	
10·4		38·3	48·3	
25pr.	+ 1	33·0	+ 2·0	

6661—6720.

mag.	19ʰ. m	s	—26° ′	
8·6	0	46·8	39·7	
10·4		50·8	6·7	
10·2	1	3·3	31·8	
10·0		10·3	10·3	
10·2		32·8	5·8	
9·6		39·8	2·5	
8·0	2	3·8	44·2	Gam
9·5		7·3	23·8	
8·8		8·3	50·8	Gam
9·0		10·3	35·3	
10·0		22·3	46·2	
8·8		33·3	38·6	Gam
10·0		35·8	13·3	
8·3	3	13·8	6·7	9·0 Ga
9·0		20·3	0·7	9·5 a
10·2	4	2·3	16·2	
10·4		14·8	28·7	
10·4		25·8	31·3	
10·2		30·3	6·7	
10·4		50·3	15·6	
9·7		57·3	16·3	
9·8	5	5·8	43·8	
10·0		13·8	22·9	
8·6		31·3	5·0	9·0 aml
7·8		32·3	6·9	6·2 GSπμ
10·4		56·0	15·8	
8·8	6	9·5	0·6	a
10·4		16·3	1·9	
9·1		18·5	49·2	
9·7		33·5	46·9	
9·0		36·5	43·4	
9·4		38·5	55·0	
10·4		44·0	3·0	
10·0		48·0	22·7	
9·5	7	12·5	18·1	
9·0		24·0	5·5	a
9·4		28·5	8·1	
9·7		44·0	6·8	
10·4		44·5	16·5	
10·4		47·5	59·8	
9·6		57·5	35·3	
8·8	8	17·0	49·9	9·0 am
9·6		48·5	52·9	
10·4		52·0	14·8	
10·4		52·5	32·0	
9·9	9	1·5	8·0	
10·4		10·5	23·6	
10·2		22·0	26·7	
10·4		27·0	29·8	
9·8		31·5	52·1	
10·4		44·5	12·0	
9·8		45·0	42·1	
10·2		49·0	7·1	
9·5	10	4·0	54·1	
9·0		11·0	8·9	9·0 Gam
9·8		36·5	3·0	
8·2	11	0·5	17·8	9·0 Gaml
10·4		13·5	54·0	
9·7		15·0	5·8	
8·5		18·5	15·9	9·0 Gaml
	+ 1	32·8	+ 2·4	

6721—6780.

mag.	19ʰ. m	s	—26° ′	
9·2	11	21·0	26·7	
8·8		48·5	3·3	a
9·0		52·5	25·0	
9·0	12	16·5	7·0	Ga
8·8		23·5	40·6	9·5 =m
10·2		48·5	16·8	
10·4		55·5	34·6	
10·0	13	13·5	33·2	
10·0		15·0	18·8	
10·4		15·0	51·8	
10·4		21·5	3·5	
9·9		31·0	30·0	
9·4		33·5	23·0	
10·2		55·5	23·8	
8·4	14	2·5	23·8	GSacl
8·4		12·5	24·6	GWal
10·4		22·5	9·8	
9·6		27·5	33·3	
10·0		42·5	59·0	
10·4		45·5	35·0	
9·9		50·0	45·0	
10·0		53·5	10·1	
8·8	15	18·5	57·5	9·0 Ga
10·4		26·5	7·3	
9·5		33·5	28·0	Wa
10·2		37·3	0·3	
10·4		43·5	21·6	
9·7	16	9·8	1·7	
10·4		20·5	51·1	
9·2		31·8	27·0	a
9·7		35·5	17·6	
10·4		46·5	10·4	
10·0		52·5	35·0	
10·0	17	12·3	0·4	
10·4		13·5	50·8	
9·5		14·0	48·6	
10·0		15·0	16·1	a
9·1		27·5	5·6	9·5 Wa
9·1		39·2	34·8	
9·8		47·5	42·1	
9·4	18	8·5	8·8	Wa
10·4		41·5	6·2	
10·4		41·5	43·7	
7·7	19	1·0	33·7	Gam
9·8		4·5	21·8	
10·3		42·0	56·5	
8·6		43·0	11·0	9·0 Wa
8·8		43·5	26·6	9·5 a
8·8		48·5	27·1	9·0 am
10·4	20	9·5	23·7	
10·4		27·0	52·0	
10·2		31·5	51·1	
8·6		49·5	15·2	10·0 a
9·4	21	8·4	0·3	9·5 G
8·5		9·5	9·0	9·0 GWam
9·4		9·5	5·4	10·0
9·8		13·5	5·2	9·5 GWam
9·2		31·0	0·8	9·0 Wa
10·3		36·5	49·1	
8·6		58·5	3·4	9·0 GWam
	+ 1	32·6	+ 2·8	

6781—6840.

mag.	19ʰ. m	s	—26° ′	
10·3	22	28·0	44·8	
10·4		29·5	0·4	
10·3	23	13·6	33·1	
10·4		19·6	26·7	
9·6	24	0·6	15·2	9·5
10·3		16·6	18·5	
10·4		30·6	19·9	
10·4		39·6	37·5	
10·4		45·6	36·5	
8·8	25	4·6	25·6	a
7·8		12·6	17·5	8·2 GSac
9·8	26	11·1	26·4	
9·4	27	49·1	40·1	
8·6	28	12·6	34·3	9·0 M=m
10·4		22·9	0·5	
10·4		23·6	11·0	
8·2		25·1	10·4	8·3 M≡m
9·4		51·6	35·7	9·0 =
9·6		52·6	0·2	
9·2		54·1	47·8	
10·4	29	5·6	22·5	
10·2		6·6	4·7	
9·4		13·1	45·5	9·5 G
10·3		55·1	31·4	
10·3	30	22·1	8·6	
10·4		26·2	42·5	
10·2		33·6	46·4	
10·0		45·6	38·7	
10·4	31	2·1	56·2	–
8·8		11·6	8·8	=
9·8	33	26·1	24·4	
9·2		32·6	3·3	
10·4		34·1	7·1	
9·8		35·6	50·9	
9·2	34	2·1	40·3	GWa
10·3		27·6	51·4	–
9·2		43·6	44·0	8·5 GWam
10·3	35	29·6	21·1	
10·2		46·1	9·6	
10·2		53·6	27·4	
10·3	36	12·4	0·7	
9·2		19·6	50·4	9·0 –m
8·6		46·1	45·1	9·0 GWam
10·2		52·1	17·8	
9·6		53·6	15·8	
10·3		56·6	11·6	
10·2	37	2·6	1·1	
9·8		21·6	40·0	9·5
9·6		26·1	54·5	9·5 GWb
10·2		27·4	24·1	
10·2	38	2·6	25·3	
9·8		12·6	4·4	–
10·2		34·6	45·7	
8·4		35·6	13·2	
9·4		47·9	4·9	
10·2		53·5	59·5	
9·2		56·9	56·7	G
9·0	39	3·4	23·9	
9·6		15·9	5·0	9·5
8·2		21·2	47·5	8·0 GWbl
	+ 1	32·1	+ 3·3	

6841–6900.

mag.	19h. m s	−26° ′	
9·4	39 44·2	35·0	
8·2	40 30·2	12·2	9·0 GWal
8·0	40·0	58·0	8·8 GWa
9·4	45·2	25·1	
9·8	41 4·2	48·9	
9·3	13·2	56·0	a
10·2	18·2	29·5	
10·2	22·2	5·9	
10·2	49·2	45·8	
9·8	42 4·7	15·9	
8·6	17·2	40·2	8·2 GWal
9·6	46·7	17·4	
9·6	58·7	29·9	
8·8	43 3·7	28·9	9·0 Wam
10·2	7·2	39·9	
8·4	17·0	57·1	9·0 Wa
9·3	21·2	6·6	
9·8	44·2	47·6	
10·2	44 43·2	34·9	
9·1	47·0	59·2	–
10·2	47·7	51·6	
9·1	55·2	59·3	
8·4	45 8·2	29·6	9·0 a
10·2	14·2	36·4	
9·8	18·2	33·9	
9·1	27·2	16·7	
9·4	39·2	16·3	
10·2	46 5·2	49·2	
10·2	17·2	11·9	
10·2	29·6	59·6	
10·0	32·6	14·9	
8·7	46·6	54·0	8·4 GWam
10·2	47 7·6	11·5	
10·2	13·6	5·1	
9·0	29·1	19·2	9·5 G–
9·0	33·6	8·0	
10·0	41·6	16·7	
9·8	42·6	56·5	
10·2	49·4	59·9	
6·1	48 11·6	37·7	5·0 GSμβ
7·8	13·6	52·7	7·5 Gaml
9·0	13·6	25·4	
10·0	28·6	11·1	
10·2	36·1	27·4	
10·2	49 1·3	59·5	
10·2	28·6	52·7	
7·8	37·6	32·9	8·0 GWal
10·0	55·6	34·2	
10·2	58·6	39·0	
10·2	50 10·1	46·9	
8·2	26·6	39·6	8·5 –
10·2	51 3·6	14·0	
10·2	7·3	56·9	
10·2	8·6	59·3	
6·3	20·6	31·8	5·2 GSμβ
8·4	22·6	37·7	9·0 bl
9·6	56·6	38·0	
9·8	58·1	45·6	
8·7	52 19·6	12·0	9·0 Ga
9·0	48·6	14·2	9·0 a
25pr.	+1 31·7	+3·8	

6901–6960.

mag.	19h.–20h. m s	−26° ′	
10·2	52 49·1	34·6	
8·4	53 2·1	2·7	9·0 –
9·3	2·6	16·9	9·0 am
8·0	18·6	33·8	7·5 Gb≡l
10·2	27·2	23·3	
8·8	28·2	24·3	
9·8	33·2	56·5	
10·2	54 19·2	43·9	
10·2	55 6·7	34·2	
7·8	25·2	23·2	8·2 Gb≡l
9·4	34·2	50·5	
9·2	38·2	58·9	9·0 GM=m
9·8	52·2	19·2	
9·4	56 3·2	15·7	
9·4	35·7	17·c	
8·0	42·2	40·6	8·0 GWal
9·6	56·2	47·8	
10·2	57 22·2	10·4	
10·2	29·7	31·2	
10·0	58 0·7	42·1	
9·6	12·2	34·0	
10·0	17·7	49·0	
9·3	20·2	49·7	
9·3	33·7	50·0	9·0 M–m
10·0	36·2	39·5	
10·2	52·2	18·2	
10·2	58·2	59·8	
9·6	59 9·7	41·7	
8·7	10·7	47·5	7·8 Gam
10·0	19·2	34·5	
9·6	35·2	36·3	
10·2	40·2	46·9	
9·0	0 10·7	44·9	–
9·6	1 7·7	20·5	
8·8	17·2	17·5	9·0 a
10·0	21·5	35·4	
7·8	30·2	35·1	7·8 GSac
10·2	34·0	31·8	
10·0	50·2	32·9	
8·2	2 26·7	14·2	8·5 Gam
10·1	3 9·4	53·8	
9·2	29·5	47·9	9·5 =
8·4	37·5	2·7	9·0 Gam
10·0	43·0	45·1	
9·5	45·0	47·4	
8·8	4 27·5	43·8	9·0 Ga
9·8	30·0	10·3	
10·1	43·0	4·8	
9·4	5 14·0	55·9	–
9·0	22·0	33·7	8·5 =
9·0	33·0	25·5	9·0 G=
10·0	6 0·0	25·8	
9·3	19·0	7·1	9·2
8·8	21·0	53·3	–
9·8	40·0	23·9	
9·0	7 2·5	40·7	
10·1	49·0	27·0	
10·1	59·5	6·6	
9·8	8 1·5	51·5	
8·8	9 5·9	7·1	
	+1 31·2	+4·2	

6961–7020.

mag.	20h. m s	−26° ′	
8·8	9 22·9	29·3	Mm
9·8	35·4	43·1	
9·4	58·9	55·3	9·0
9·2	10 11·9	21·1	9·0 GM–m
9·8	17·9	8·5	
9·6	32·9	37·0	9·0
10·0	11 6·4	52·2	
10·1	20·9	37·9	
9·2	40·9	33·2	
9·8	54·1	1·5	
8·8	59·4	43·8	9·5 =
9·8	12 33·1	1·4	
10·1	41·9	18·2	
9·6	43·5	57·6	
9·8	53·1	17·3	
9·8	13 1·9	17·0	
10·0	3·4	18·2	
8·4	7·9	32·3	7·5 Ga
10·0	25·9	2·3	
9·5	31·4	47·9	
9·2	35·4	7·8	
10·0	38·9	43·9	
8·8	56·9	16·7	9·5 Ga
10·1	14 2·9	14·7	
9·5	13·4	41·2	
8·8	26·4	35·1	9·0 am
10·0	33·4	23·3	
10·0	42·9	3·1	
8·8	52·4	2·7	9·5 G
8·8	58·4	33·3	9·0 am
8·8	15 42·9	17·1	9·0 M=m
10·0	46·4	16·7	
9·6	55·9	2·9	
10·1	16 10·4	15·9	
10·0	36·4	46·3	
8·2	17 5·9	14·1	7·0 GScl
9·5	12·4	20·8	
9·4	21·9	32·2	
9·5	50·4	16·7	
10·0	52·9	36·2	
7·6	18 16·1	57·6	7·8 GSbc
9·0	21·8	9·0	
9·6	19 4·3	53·0	–
9·6	53·8	30·1	
8·4	20 3·3	36·6	8·5 ≡
9·8	6·3	52·2	
10·0	9·3	32·7	
10·1	17·3	50·5	
7·2	31·8	1·1	6·8 GSbl
10·0	44·8	35·5	
8·8	21 4·8	19·3	9·0 a
9·0	7·3	40·4	
9·8	13·3	42·7	
9·6	16·2	14·5	
9·8	18·7	58·3	
9·1	24·2	34·5	a
10·0	34·7	36·1	
9·6	39·7	46·0	
8·2	49·2	59·3	8·8 Ga
9·8	51·7	12·9	
	+1 30·7	+4·6	

7021–7080.

mag.	20h. m s	−26° ′	
10·0	22 23·2	22·0	
8·8	23·7	11·8	9·5 G
9·0	32·2	46·6	=
10·0	23 10·7	31·4	
8·8	31·3	30·1	–
9·4	36·3	7·5	
9·6	58·1	50·8	
9·6	59·1	17·1	
9·8	24 3·9	16·5	
10·0	34·6	25·8	
10·0	47·6	23·8	
9·6	25 1·9	49·2	
9·9	2·5	10·6	
9·6	4·4	16·0	9·0 ≡
9·2	35·0	23·0	
9·4	51·0	33·0	
9·4	54·0	20·0	
9·4	26 2·5	15·1	
9·2	18·5	41·4	9·5
10·4	29·5	20·6	
8·8	42·5	38·8	9·0 Ga
9·2	45·0	4·2	
10·4	27 1·5	25·8	
9·4	28 17·0	51·4	
10·0	30·0	26·3	
10·4	36·0	36·6	
8·4	29 1·3	58·3	8·6 Gb–l
9·6	11·5	28·0	
9·6	13·5	10·6	
9·6	15·5	8·8	9·5
8·8	23·0	4·0	8·5 Gam
9·6	30 11·5	35·2	
9·4	17·5	51·8	9·0 G≡
9·6	23·0	24·2	
9·9	27·0	44·8	
10·4	41·0	23·3	
10·4	42·5	16·7	
9·4	44·0	54·7	9·5
9·9	54·5	11·1	
8·8	31 10·5	6·0	=m
9·6	12·5	14·8	
10·2	56·5	4·2	
9·9	57·5	45·5	
9·2	32 24·0	59·9	a
9·4	38·5	7·2	a
10·0	57·0	38·4	
9·6	33 31·5	30·2	
10·2	44·0	0·0	
7·5	56·5	26·3	6·2 GScl
9·9	34 10·5	6·2	
9·4	29·0	57·2	
9·4	30·5	5·4	
9·6	40·0	55·4	9·0 Ga
9·9	40·5	11·3	
10·2	42·2	58·7	
10·4	53·5	32·1	
10·4	55·0	51·3	
10·4	56·5	52·3	
9·2	59·0	39·1	Ga
9·9	35 43·2	58·1	
	+1 30·1	+5·1	

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7081—7140.

mag.	20^h m	s	—26° ′	
10·2	35	54·0	50·2	
10·0	36	12·5	32·0	
8·8		12·5	41·8	8·5 Gam
9·0		22·5	3·9	–
8·4		24·0	16·3	7·8 Gmtπ
9·2		32·5	33·8	
10·2		45·5	18·1	
9·4		57·0	14·9	
9·8	37	0·5	41·9	
9·4		26·5	2·3	
9·4		29·5	41·6	M=m
9·6		52·5	56·3	
10·2		56·0	33·3	
9·6		57·5	15·9	
9·0	38	1·5	24·2	9·0 Ga
10·0		18·5	42·2	
9·8		33·5	18·7	
10·4		37·0	55·1	
10·0		41·5	7·1	
8·6		52·5	37·8	M=m
10·4	39	16·0	50·3	
10·4		35·5	22·1	
7·4		52·5	52·3	7·2 GSac
9·6	40	6·5	59·0	
9·9		8·5	24·8	
9·6		9·0	47·8	–
10·2		17·5	10·7	
9·9		59·5	13·0	
9·6	41	24·1	57·0	
5·3		52·5	14·5	6·2 GStπ
8·4		55·5	48·0	8·2 Gb
10·4	42	7·5	21·7	
9·0		15·5	15·5	9·0 Ga
8·8		16·5	16·1	9·0 a
9·6		49·5	36·5	
9·9		50·0	6·0	
10·2	43	13·0	47·8	
9·2		35·5	41·3	–
8·2		46·7	2·9	7·8 Gam
10·4		53·7	2·2	
10·0	44	15·5	15·0	
8·8		35·0	46·2	
10·0		35·5	42·9	
9·6		56·0	34·3	
9·6	46	9·3	50·1	
7·8		29·8	47·2	7·8 Gatπ
8·6		57·0	19·5	9·5
8·2	47	0·2	2·8	8·0 G=tπ
8·6		17·0	29·2	a
10·4		27·8	12·8	
9·0		55·8	35·2	8·5 Gatπ
9·1	48	8·3	50·9	
6·5	49	21·8	46·3	6·0 GSπμ
10·0		55·3	43·6	
8·8	50	22·3	43·1	8·2 M=m
9·0		53·3	49·9	8·6 Ga
8·8	51	20·8	29·2	M=m
9·8	52	30·8	23·9	
9·8	53	31·3	1·3	a
10·0		53·3	50·2	
25pr.	+ 1	29·5	+ 5·4	

7141—7200.

mag.	20^h–21^h m	s	—26° ′	
10·0	55	23·8	27·6	
10·4		56·8	48·9	
9·8		57·8	24·1	
10·0	56	21·8	16·2	
10·4		38·8	6·8	
9·6	57	2·3	8·2	
9·6		5·8	4·2	a
9·6		13·8	54·5	
10·0		39·9	39·4	
9·6		39·9	8·1	
9·6		50·4	42·1	
10·0	58	32·9	3·9	
10·4		35·9	38·8	
7·9	59	33·4	3·7	7·5 G≡
10·0	0	19·9	59·8	
9·9		29·9	36·8	
10·4		41·9	41·9	
9·8	1	43·9	34·7	
9·6		50·9	6·8	9·5
8·4	2	35·4	39·9	8·5 am
9·0		37·9	4·2	
9·0		40·9	33·3	9·0 –
9·6		48·9	43·2	9·0 a
10·0		48·9	54·3	
9·6	3	29·9	17·1	
9·8		32·4	19·7	
10·2		37·4	47·8	
10·4		43·1	57·1	
10·4		47·9	1·0	
8·6		48·9	59·4	9·0 am
9·4	4	0·9	15·9	a
10·0		5·4	1·2	
10·0		8·9	32·8	
10·2		38·9	47·9	
9·6	5	12·4	5·8	
10·4	6	10·4	49·4	
9·1		29·4	53·9	
9·0		44·9	10·9	
10·0		50·9	45·0	
8·8	7	23·9	39·6	a
7·8		26·4	25·6	8·0 GScl
10·0		42·9	5·2	
10·4	8	39·4	52·0	
8·8	9	13·4	52·6	–
10·2	10	1·2	0·6	
8·8		2·9	32·0	a
11·2		57·5	8·2	
8·6	11	0·5	14·0	8·5 a
10·2		57·5	56·0	
9·4	12	9·5	34·7	a
10·6		10·5	24·8	
10·2		20·5	17·1	
7·4		32·5	52·2	7·0 GSbl
10·6		46·5	16·2	
10·5	13	26·5	40·6	
11·1		35·0	54·5	
8·8		49·5	55·9	8·5 al
11·2		52·7	55·0	
10·2	14	26·0	20·8	
10·5		26·5	7·3	
	+ 1	28·4	+ 6·0	

7201—7260.

mag.	21^h m	s	—26° ′	
11·1	14	37·0	54·9	
10·5		37·5	57·0	
9·9	15	22·5	5·0	
10·6		34·0	23·0	9·5
10·6	16	37·5	25·8	
7·5		58·5	5·7	7·8 GSlπ
10·6	17	6·5	56·3	
11·0		52·5	34·8	
9·6		54·5	38·5	9·0 Gam
9·9	20	6·5	24·9	
10·0		9·5	32·7	
10·8		19·0	9·2	
11·0		28·0	32·0	
10·0	21	16·5	16·3	9·0 a
7·5		26·5	11·2	7·8 Gam
10·3		38·5	5·6	
11·1		42·0	44·4	
9·8	22	1·5	43·4	
10·0	23	5·0	20·1	
8·2		30·0	15·4	7·5 GSMa
11·1		35·0	5·4	
9·5		51·5	2·0	
10·5	24	18·5	34·7	
10·0		18·5	38·3	–
10·0		26·0	51·0	≡
10·5	25	3·5	1·0	
10·8		14·5	42·8	
10·0		39·0	7·1	9·5 G
11·2	26	22·5	19·0	
10·3		23·5	51·6	
10·3		34·5	55·6	
10·0		42·5	50·0	
11·1	27	6·5	57·4	
10·2		33·5	40·4	
9·4		38·5	17·0	W
9·9		39·5	39·8	–
11·2		54·5	51·0	
11·2		56·5	30·8	
10·2	28	26·5	37·8	
9·5		46·5	13·4	9·0 GWa
5·7		56·0	43·5	6·0 GSπβ
11·2	29	16·5	35·6	
9·2		18·0	23·1	Wam
9·8		23·5	27·8	
11·2		33·0	42·6	
11·2	30	3·4	10·6	
11·2		22·4	52·5	
9·8		43·0	51·2	
7·9		58·6	0·4	7·5 GSlπ
10·2	31	33·2	46·7	=
8·4		56·0	17·0	a
8·6	33	49·6	24·6	8·0 Gam
9·4	34	2·1	11·8	
8·2		52·6	25·6	8·0 GSal
10·0	35	12·8	27·5	
10·2		13·1	15·8	
8·4		37·1	33·8	8·5 Gam
10·2		52·6	39·6	
10·0	36	3·1	1·0	
8·8		9·6	34·9	9·0 am
	+ 1	27·2	+ 6·5	

7261—7320.

mag.	21^h m	s	—26° ′	
10·2	36	12·6	8·0	
10·2	37	14·6	48·6	
9·8		27·4	40·4	
8·4		37·9	52·4	8·2 Gaml
10·2		46·4	54·7	
9·8	38	39·9	27·2	–
10·4		49·9	12·0	m
10·2		57·9	27·2	
10·0	39	0·9	0·9	
10·2		36·9	24·9	
9·2		48·4	12·5	M–
8·9	40	25·4	29·1	9·0 Gam
10·0		43·4	25·5	
8·2		59·4	27·3	8·0 GSal
10·2	41	12·4	37·1	
10·2		15·7	59·4	
8·4		17·9	48·7	8·5 a
8·8		39·9	39·5	9·0 am
10·2		51·9	40·1	
10·2	42	1·4	32·1	
10·2		3·9	31·6	
10·2		19·9	9·5	
8·6		35·4	13·3	9·0 =
9·5		42·9	44·9	
9·0		57·4	46·6	9·0 Gam
9·8	43	31·9	17·3	
10·0	44	22·0	1·0	
10·2		32·0	15·8	
10·6		47·5	58·0	
10·0	45	13·5	48·1	
10·0		23·0	53·3	
8·6		26·5	36·4	8·5 a
10·0		29·0	28·6	
9·6		44·0	24·5	
10·4	46	23·0	28·8	
9·8		24·5	12·0	
8·2		47·5	21·9	8·0 Gaml
9·8	48	16·0	10·6	
9·4		57·0	23·1	–
10·6	49	7·5	1·7	
7·9		23·0	5·5	7·7 Gaml
9·8		24·5	51·6	
10·0		51·5	43·3	
9·4		56·5	21·1	
10·0		57·0	15·2	
9·5	51	15·0	44·5	
9·0		37·0	9·9	9·5 M=m
9·5		50·0	40·1	=
9·6	52	8·0	4·5	
8·5		26·5	19·5	8·5 a
8·5		31·0	18·6	8·8 a
8·9	53	22·0	52·3	
10·2	54	3·5	18·9	
8·9		43·5	3·7	9·5 am
9·5	55	2·3	54·5	
9·8		22·8	47·9	
9·8		59·4	42·2	
8·5	56	15·0	15·3	Wa
10·0	57	22·5	4·4	
7·4		24·0	29·3	7·0 GSbl
	+ 1	26·1	+ 6·9	

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7321—7377.

mag.	21h.–22h. m	s	—26° ′	
10.0	57	35.5	26.0	
10.0		52.0	5.0	
10.0	58	15.5	11.1	
9.8		35.5	49.1	
9.4	59	1.0	46.9	
9.1		7.0	34.6	9.5 a
9.1		10.0	20.0	
10.0		10.5	23.9	
10.0		23.5	54.7	
9.8	0	6.5	7.3	
10.0		11.0	43.5	
9.6		39.0	22.4	
7.2	1	42.5	22.7	7.5 GSlπ
9.2	2	13.5	44.6	
9.8	3	16.5	9.0	
9.4		34.0	10.0	a
9.2		52.0	54.6	
9.4		58.5	27.2	
9.8	4	12.5	59.7	Ga
10.0		30.0	23.7	
10.0	5	16.5	19.9	
9.6		34.0	3.9	
10.0		50.0	32.5	
9.0		53.5	31.9	
6.4		54.5	56.7	6.5 GSal
9.4	7	56.0	14.0	8.7 G
8.3	8	6.5	16.0	7.7 GW–
7.5		9.0	35.2	8.0 G=tπ
9.2		26.5	48.5	
9.1	9	9.0	52.9	9.5 =
7.4		36.0	31.1	6.5 GSlπ
10.0		48.5	46.4	
9.6		50.6	30.0	
10.0		58.6	20.6	
9.1	10	22.6	20.9	9.2 G
8.4		26.6	51.1	8.8
9.4		31.1	30.2	
9.8	11	21.6	18.8	
9.6	13	7.1	52.2	9.0 G=
10.0		23.1	42.7	
9.4		27.8	57.2	9.0
9.2	14	1.1	12.0	9.0 G
10.0		42.6	46.0	
9.2	15	2.6	53.0	
8.6		42.6	20.6	
8.0	16	13.1	28.2	7.5 GSal
9.4		40.9	23.3	
9.1	17	3.7	49.8	
9.8	18	6.1	2.6	
10.2	19	12.2	26.2	
8.4		12.2	12.2	8.5
9.6	20	30.7	26.1	
10.3		33.2	46.0	
10.0		58.2	2.0	9.0
8.6	21	32.2	7.9	9.0
9.2	22	50.7	29.2	–
10.3	23	26.6	57.8	9.0 G
25pr.	+1	24.6	+7.4	

7378—7433.

mag.	22h. m	s	—26° ′	
9.8	23	34.7	53.3	
7.2		56.2	42.6	6.8 GSlπ
9.0	24	9.1	59.6	9.0 G
9.5		52.7	40.0	
8.4	25	49.7	29.3	8.0 Ga
8.3	26	2.2	26.7	9.0 Ga
9.3		16.7	52.3	
8.8		49.7	18.5	9.0 –
10.2		56.2	36.4	
9.8	28	11.1	41.4	
9.6		12.2	18.0	–
8.8	29	13.0	58.8	9.0 –
9.2		33.2	13.6	
9.4		50.7	32.0	
8.5	30	3.2	42.0	8.2 Ga
9.0		41.7	30.2	–
7.7	31	17.7	18.1	7.8 GSal
8.1	32	22.7	7.8	8.5 al
8.8	33	12.2	49.2	–
8.8		52.2	36.0	9.0 –
7.6	34	29.2	0.2	7.1 GSa
10.0	35	17.7	2.4	
9.0		43.2	54.4	9.0 –
9.0	36	0.2	19.9	9.1 –
7.8		24.2	19.0	7.7 al
9.1	37	34.7	36.6	–
8.8		36.2	56.9	8.5 Wb
9.4	38	54.7	42.7	
9.3	39	24.2	24.9	9.5 –
8.4		53.2	3.3	8.5 Gal
9.0		55.4	50.4	9.5 –
9.6		58.1	46.9	9.5 G
8.4	40	3.4	57.6	8.0 Ga
10.4		31.4	34.3	
6.1	41	4.4	33.9	6.5 GSal
10.0		14.9	55.6	
10.4	42	25.4	15.6	
10.0		28.4	18.2	
10.6	43	16.8	31.2	
10.4		33.3	40.3	
9.8	44	5.8	25.0	
10.6		23.3	37.7	
10.6		42.2	10.1	
10.6	45	33.3	38.9	
9.5		43.3	14.6	–
9.0		46.3	48.6	–
7.6		59.3	10.6	b=l
10.0	48	43.8	18.6	
8.6	49	53.3	55.2	a
10.6	50	3.3	9.2	
8.2		22.8	52.6	7.5 Ga
10.4		39.8	37.0	
8.1		50.3	6.8	Ga
7.0		58.8	46.0	7.5 GSa
9.0	51	0.8	50.0	8.2 GWa
9.8	52	11.8	30.0	
	+1	22.6	+7.9	

7434—7489.

mag.	22h.–23h. m	s	—26° ′	
10.6	52	37.3	35.1	
9.2		53.3	25.5	
7.4	53	32.3	49.1	GStlπ
7.2		37.3	17.6	GSb=
8.0		37.8	48.1	GWtlπ
9.8		40.3	58.8	
10.4	54	23.2	8.3	
8.6		25.3	40.0	a
9.5		57.3	31.0	
10.6	55	45.3	38.2	
10.4		58.3	9.4	
9.3	56	57.3	6.6	–
8.1	57	9.8	25.8	7.8 bl
10.6		15.3	55.2	
7.6		47.8	21.5	8.2 b=l
8.2		52.8	51.5	8.4 al
10.4	58	43.3	36.2	
8.6	59	47.3	50.8	a
9.8	0	33.6	2.2	
10.4		37.3	33.5	
9.3		41.3	16.2	8.8 a
9.5		43.3	52.8	9.5 =
9.6	1	43.3	2.8	
7.2	2	9.0	30.3	6.8 GSal
9.3	3	47.2	24.2	
8.9	4	23.7	58.5	
9.1	5	13.7	12.1	
8.4		27.2	5.1	8.5 G≡
9.0	6	5.7	32.1	
9.1		30.2	13.7	–
8.3	8	4.2	14.5	7.2 Ga
9.1	9	17.2	35.7	–
9.2		33.7	2.5	
9.4		44.2	9.1	=
9.4	10	44.2	42.9	
8.7	11	5.7	8.3	=
9.6		35.2	5.7	
8.5	12	8.7	54.5	=
8.3		11.7	37.5	7.8 =
9.6		23.4	1.2	
8.3		24.7	9.7	8.6 G≡
9.1	13	57.7	32.1	
9.1	14	20.7	29.2	=
9.2		25.7	31.8	
9.2	16	11.7	52.5	
8.9	17	34.7	33.3	a
9.1	18	12.7	41.8	–
9.6		27.2	7.0	–
9.6		57.7	37.3	–
9.0	20	17.7	21.9	
9.6		35.7	3.0	
9.4		57.7	39.1	–
9.6	21	43.8	1.6	
7.2		48.8	6.6	6.6 GSal
9.6	22	3.8	11.7	
9.1		18.8	10.7	9.0 a
	+1	20.7	+8.1	

7490—7545.

mag.	23h. m	s	—26° ′	
9.6	23	6.3	16.5	–
9.1		13.5	43.0	
9.6	24	36.0	31.1	
10.0		57.7	52.4	–
9.0	25	20.5	31.1	9.2 ≡
7.2		21.3	26.1	6.5 GSal
9.9		23.2	18.1	–
10.0	27	1.2	34.3	
8.4		17.7	27.7	>
9.6		35.2	55.9	
10.0	28	45.3	14.1	–
9.2	30	28.2	7.7	
8.1		36.2	33.3	a
9.4		56.2	22.5	–
10.0		58.2	15.6	
9.9	31	23.2	21.1	
10.0	32	20.2	28.3	
10.0	33	44.2	1.1	–
7.7		53.2	53.3	7.9 GSal
9.0	34	57.7	21.7	–
9.4	35	7.2	1.1	
9.2		17.2	35.1	
10.0	36	15.3	13.6	
8.2		49.7	3.3	8.1 Gal
6.8	37	57.7	56.4	6.5 GSlπ
9.9	38	17.3	59.3	
8.6		20.2	20.9	al
9.6	39	32.2	51.1	
9.4	41	14.7	52.8	≡
8.8	42	38.2	47.1	–
9.4		56.2	20.5	
6.3	43	21.0	1.6	6.9 GSal
10.0		42.2	19.9	
10.0	44	4.2	37.8	
8.4		13.2	36.1	8.8 ≡
9.0	46	43.6	45.3	a
9.3		53.7	22.9	–
9.6	47	15.9	7.0	
10.0		42.4	19.4	
10.0	48	52.9	9.9	
8.6	49	39.9	36.2	a
10.0		44.9	26.6	
9.4		49.9	8.2	a
10.0	51	9.4	26.4	
9.4		59.9	36.9	
8.5	52	49.9	44.8	a
9.7		59.7	2.0	–
8.6	53	40.9	52.6	a
8.4		44.5	1.2	–
8.5	54	6.9	19.0	8.2 W≡
8.4	55	25.4	29.0	8.8 Ga
8.5	56	29.9	5.6	9.0 a
8.4	57	42.9	35.2	a
9.2		53.4	36.4	–
10.0	58	17.4	23.0	
8.5		20.9	8.4	8.6 a
	+1	18.1	+8.3	

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ZONE — 27°.

1—30.

mag.	0h. m	s	—27° ′	
10·0	0	4·8	23·1	
9·4	3	8·5	39·4	
9·4	4	31·0	8·4	
9·0	5	0·5	42·5	9·0 a
8·6		40·5	35·0	9·0 a
9·2		49·0	34·5	
10·0	6	14·5	20·4	
7·9		16·3	33·1	8·0 GSa
7·8		55·3	1·3	7·6 GSal
8·5	8	5·3	51·8	8·5 Ga
9·8	9	22·1	8·2	
10·0		29·6	59·3	
9·7	10	2·3	50·4	9·5 ≡
9·2		4·0	54·9	9·5
9·9		27·0	14·7	
9·2	11	47·8	36·1	
9·9		50·3	39·2	
9·9	12	3·5	45·4	
9·9	14	11·3	39·4	
9·9		41·8	55·3	—
9·9	15	5·5	36·3	
9·9		29·8	46·7	
8·4		43·8	24·2	8·8 Ga
8·2	16	4·2	42·8	8·5 Ga
8·1	18	3·7	43·3	8·0 Gal
7·6		13·7	36·6	8·5 Gal
9·7		39·7	6·8	
9·7	20	28·2	25·0	
9·9	22	7·7	3·2	
8·2		52·7	42·1	8·0 Gal
25pr.	+ 1	15·9	+ 8·3	

31—60.

mag.	0h. m	s	—27° ′	
9·9	22	53·2	0·8	
9·9	23	39·7	5·0	
8·7		42·7	56·2	9·0 a
9·8	24	52·2	30·0	
9·0	25	59·7	29·1	9·5
9·2	28	18·7	26·7	9·0 G—
9·0		49·7	26·1	9·0 Ga
8·4	29	26·0	32·6	8·0 Wa
9·9		38·0	11·0	
8·2	30	0·0	26·8	8·4 Ga
9·0		14·5	15·8	
8·6		30·2	57·9	8·2 Gal
9·9	31	37·7	42·7	
9·0	32	33·5	51·5	9·0 —
9·8	33	3·2	53·0	9·5 —
9·6		3·7	6·6	—
10·2		18·9	54·5	
8·4		45·4	22·0	8·8 —
10·2	34	17·4	47·0	9·0 G
8·4		21·0	57·5	8·4 Ga
9·4		59·4	31·4	—
9·2	35	29·7	55·8	—
10·0	36	43·7	48·9	
9·0		48·2	18·8	9·5 a
9·8	38	4·7	16·3	
7·8		14·7	12·3	7·5 GWal
10·2		29·2	0·1	
9·4	39	4·7	49·0	—
9·8		59·6	43·0	
8·4	41	33·6	39·4	8·8 al
	+ 1	14·3	+ 8·3	

61—90.

mag.	0h. m	s	—27° ′	
10·2	42	3·1	35·9	
9·8		5·1	3·1	9·3 G=
10·0		9·1	35·0	
8·0		24·1	3·2	8·2 Gal
10·2	43	49·1	30·0	
10·2	44	32·0	12·1	
10·2		50·0	51·1	
9·1	45	43·5	11·5	
8·2	46	11·5	4·7	8·7 Gal
9·8	47	13·0	13·4	
9·4		33·5	7·9	a
10·2		55·5	26·3	
10·0	49	21·5	16·3	
9·1	50	0·5	1·5	9·2 GW≡
10·0		25·8	54·2	
8·8	52	13·8	46·0	8·0 GWa
9·4		35·8	29·3	
9·4		58·3	12·1	9·5
10·2	53	18·9	0·2	
10·4		38·9	26·1	
9·6	54	23·1	34·9	
9·6		34·4	18·4	
9·6		36·9	47·8	10·0 —
10·0		45·0	53·4	9·5 a
9·4	56	44·4	39·7	—
9·6	57	10·4	46·8	8·5 —
8·8	58	16·4	49·5	9·5 a
10·4	59	19·4	1·5	
10·4		25·6	50·0	
7·8		33·9	37·3	7·8 GSbl
	+ 1	12·9	+ 8·2	

91—120.

mag.	0h.–1h. m	s	—27° ′	
9·4	59	47·6	19·9	9·0 GWa
8·0		55·6	23·8	8·5 GWal
10·2	0	9·6	32·9	
10·4	1	0·6	17·0	
10·0		37·2	57·0	
10·0		41·1	5·8	
10·2		43·6	20·0	
8·8		46·6	39·2	8·8 G≡
9·8	2	0·1	29·0	
10·4		14·8	18·1	
9·0	3	39·6	32·8	9·5 G—
10·4	4	19·1	28·8	
10·4	5	26·1	25·6	
9·4		30·1	47·4	9·2 =
10·4		41·1	39·0	
8·8		50·6	1·4	9·5
9·3	7	12·0	6·3	9·0 a
10·4	8	21·0	53·4	
10·4	10	4·7	57·9	
8·8	11	40·5	40·2	9·5 ≡
8·8	12	14·0	31·1	9·0 Ga
10·4		30·0	36·2	
8·4		46·0	10·0	8·5 al
10·4	13	46·0	31·1	
10·4	14	4·0	51·9	
10·0		18·7	59·2	
8·8		36·0	24·2	9·5 =
9·6		45·8	1·7	
8·6	15	47·3	19·2	9·0 a
9·4		58·3	21·8	a
	+ 1	11·9	+ 8·0	

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121—180.

mag.	1h. m	s	—27° ′	
8.8	16	7.8	53.3	8.5 G=
8.6		13.0	32.5	9.0 Gbl
10.4		19.0	24.8	
9.8	17	9.5	29.1	
9.8		27.5	52.0	9.5 G
9.8	18	5.7	0.1	
10.2		39.5	38.1	
10.2		39.8	59.8	
10.2	19	19.0	40.8	
8.1		36.0	6.6	9.0 Ga
9.8		59.0	42.8	
10.2	21	13.0	14.1	
10.2		51.5	17.7	
7.8	22	9.0	45.6	7.3 GSal
10.2		54.0	11.8	
8.6	24	9.0	37.0	8.5 Ga
9.8	25	53.0	32.9	
8.8	26	21.0	27.0	9.0 Ga
7.7		28.0	11.6	8.0 GSal
8.6		29.0	11.4	9.0 GW–
9.2		34.2	10.1	9.7 G
9.6	27	59.7	33.2	
10.2	28	16.7	25.0	
10.2		56.2	40.1	
10.2	29	39.2	27.0	
9.4	30	3.7	9.4	G
10.2	31	55.7	55.7	
8.6	32	9.7	51.5	8.5 a
8.8		44.4	59.6	9.5
9.0	33	7.7	53.3	9.0 Ga
10.0		29.2	54.0	
9.8		34.2	45.6	
9.4	35	4.2	37.1	
10.2		17.2	39.0	
9.0	36	0.5	1.4	9.5 =
10.2	37	15.7	17.5	
10.2		33.2	18.3	
9.6		56.2	37.9	9.5 G
10.2	38	8.7	2.0	
9.4	39	14.2	13.3	–
8.8		45.2	1.6	7.8 GWa
6.7	40	14.3	58.5	6.5 GSb
10.2	41	16.0	34.6	
10.0		29.5	18.7	10.0
8.8		52.5	21.9	8.8 Ga
9.4	42	9.5	46.7	
10.0		48.0	40.8	
9.0		49.5	10.7	9.5 –
9.2	43	30.5	41.2	8.5 G=
9.2	44	4.5	45.0	9.8
9.2		7.5	37.7	9.5 –
10.0	45	9.5	14.0	
9.9		14.5	4.0	
8.6	46	15.5	43.8	9.2 b
9.4		40.0	23.0	
9.2		49.5	11.1	–
9.2		50.5	12.8	–
8.5		59.5	51.8	8.7 =
8.9	49	56.5	6.3	9.2 GW=
9.9	50	52.5	2.9	
25pr.	+ 1	10.0	+ 7.7	

181—240.

mag.	1h.—2h. m	s	—27° ′	
8.7	51	22.5	25.2	9.5 –
8.2		29.5	15.3	8.7 G–
9.8		30.5	51.7	
10.0		44.5	12.3	
9.0	52	10.5	39.8	9.2 a
10.2		14.2	5.6	9.0
8.4		15.0	32.7	9.0 al
8.7	53	11.0	7.0	9.0 –
9.2		19.5	51.6	–
6.4		35.3	2.6	6.6 GWbl
9.2	54	1.5	32.9	9.5 G
9.2		8.0	38.9	9.5
10.0		24.5	27.9	
9.0		52.0	9.4	G
9.4		56.4	8.1	
8.9	55	14.4	0.3	
9.7		19.4	11.1	
9.4		21.4	40.5	
9.2		59.4	5.9	9.5 –
10.0	56	0.9	38.5	
8.4		53.9	20.7	8.3 GWal
9.0	57	35.9	24.5	9.3 G–
9.0	58	53.4	12.1	9.2 G–
9.4	59	29.4	0.2	
9.9	0	8.9	53.0	
9.2		59.7	25.4	9.5
10.2	1	24.7	38.0	
9.4	2	11.7	27.5	
9.2		33.9	37.2	
9.8	3	8.7	25.1	
9.0	4	7.0	41.6	–
8.7		23.5	17.0	8.8 Ga
8.7		35.0	17.8	9.0 G
8.2	5	20.5	48.6	8.2 a
9.8	6	8.5	6.0	
10.0		23.5	34.0	
9.6		35.0	50.4	
8.1		40.0	13.6	8.5 al
10.0	7	36.0	48.6	
9.4	8	10.7	0.2	
9.8		51.0	6.8	
7.8	10	0.0	6.3	7.8 GWbl
9.4	12	0.0	3.4	
9.7		30.0	34.3	
8.4	13	10.2	1.1	8.0 G≥
9.0	14	30.0	46.7	
9.4		40.0	32.2	
8.4		47.0	50.8	8.2 Gal
9.4	15	7.0	22.2	
9.7		31.5	20.0	
7.6	17	49.0	33.7	7.2 GStl
9.4	18	40.0	14.2	
9.2		54.5	5.7	
8.1	20	9.0	42.5	8.3 Ga
9.8		29.0	25.5	
9.7	21	35.0	44.0	
8.6		38.5	22.9	8.8 Ga
10.0	22	5.5	14.5	
8.2	23	35.2	58.1	8.8 Gb≡l
8.2		41.0	49.0	8.2 GWbl
	+ 1	7.9	+ 7.2	

241—300.

mag.	2h. m	s	—27° ′	
9.0	24	55.6	18.3	8.8 Ga
8.8	26	0.2	56.5	9.3 G–
7.3		58.7	33.3	7.5 GSb
9.6		58.7	13.9	
9.0	27	33.7	48.9	9.5 G–
9.6	28	7.7	46.1	
9.4	29	11.0	53.7	
8.6		30.0	18.6	8.8 a
9.0	30	6.5	4.9	–
8.1		12.0	14.5	8.5 GWal
9.4		22.0	7.6	
9.0		28.0	14.7	9.2 G–
9.1		30.5	43.1	–
9.6		38.8	37.2	
9.6		39.8	11.2	
9.4		47.0	6.6	
9.6	31	1.5	34.2	
9.6		52.5	9.5	
9.6	33	0.0	26.1	
9.6		35.5	53.1	
9.2	34	51.0	39.7	
9.6	35	0.0	40.4	
8.3	36	40.5	53.8	8.5 a
8.1	37	52.6	2.6	8.5 G
9.6	38	5.8	24.0	
9.4		55.8	48.2	
9.6	39	36.3	17.0	
9.6	40	25.3	25.0	
9.0		45.3	31.1	
9.1	41	18.8	26.4	
9.1		51.3	51.8	9.2 b
9.6		53.3	19.2	
9.1		59.8	49.4	9.2 b–
9.6	42	30.8	5.7	
9.6	43	23.3	41.8	
9.3	45	31.3	21.6	
9.7	46	20.5	41.4	
8.4	47	8.5	14.1	8.5 a
9.8		49.6	11.8	
9.0	48	19.9	46.0	
9.7		25.6	36.3	
9.8		29.6	37.1	
9.4		31.1	1.4	
9.7	50	7.6	13.8	
9.7		23.1	41.5	
9.5		52.1	17.1	
9.7		59.6	17.5	
9.0	51	19.6	32.0	9.0
9.8	52	37.1	51.4	
9.7		40.6	32.0	
9.6		49.6	48.1	
9.7	53	9.6	45.1	
8.4		17.1	25.7	8.2 GW–
9.0	54	24.1	37.0	
9.4	55	26.4	56.0	
8.9		42.6	10.5	
9.2		43.5	2.7	
8.7		44.6	22.2	–
8.0		54.7	59.3	8.5 al
9.0		59.1	38.9	
	+ 1	5.5	+ 6.4	

301—360.

mag.	2h.—3h. m	s	—27° ′	
9.2	56	34.1	20.5	
8.5	57	38.1	28.3	8.2 a
9.8		39.6	58.7	
8.8	58	23.6	13.2	8.5 Ga
9.2		24.6	33.5	
9.7		25.6	54.1	
9.8	59	9.6	47.1	
9.8	0	35.6	55.1	
9.8		36.6	40.1	
9.8		54.6	15.0	
9.7	1	40.1	3.8	
9.8	2	40.0	14.2	
9.6	3	49.5	13.7	
7.4		50.5	11.6	7.5 GSal
9.8	4	0.5	47.6	
9.0	5	18.0	34.7	
9.2		35.5	50.2	a
9.8	6	0.0	8.8	
9.2		2.0	53.6	
8.8	7	12.5	25.4	8.5 G–
9.5		42.0	0.1	
9.8	8	17.5	9.8	
9.2		30.0	31.2	
9.6	9	1.5	13.2	
9.4		3.0	4.0	
8.6		43.5	58.2	9.0 G
8.7	10	34.0	35.4	8.0 Ga
9.6		39.2	49.7	
9.6	11	24.0	0.6	
9.6		24.0	15.8	
9.4	13	4.0	49.2	
9.6	14	2.0	19.0	
6.5	15	24.5	3.7	6.5 GSct
9.6		36.0	5.2	
8.2	17	28.0	41.1	7.8 Ga
8.2		36.0	44.9	7.8 Ga
8.8	18	54.0	34.9	8.5 G–
9.6	19	2.0	25.9	
8.9		11.0	35.5	9.0 G
8.6		54.0	41.1	8.0 G–
7.7	20	19.1	42.6	7.5 GS=
9.6		47.6	57.6	
9.6		52.6	2.2	
6.8	21	5.6	45.4	6.3 GSct
8.6		13.9	25.3	8.5 Ga
8.9		21.6	58.8	
9.0		25.1	27.5	a
8.9		37.6	40.7	
8.0		56.1	20.6	7.8 Ga
8.4	22	26.6	51.0	8.8 Ga
9.6		38.9	10.8	
8.4	23	7.9	2.8	8.8 a
9.6		45.9	1.3	
9.2		48.4	58.5	a
8.8		59.1	5.4	9.0
8.2	25	44.4	2.9	7.8 Ga
9.4	26	51.6	31.2	
9.6	27	9.1	51.3	
9.0		20.1	10.5	a
9.6	29	5.4	29.1	
	+ 1	3.9	+ 5.6	

361—420.

mag.	3h. m	s	—27° ′	
8.0	30	34.4	12.2	8.0 G=
9.4		51.4	46.1	
9.4	32	47.8	42.9	
9.6	33	8.3	53.9	9.0
8.6		46.3	13.3	a
9.0	34	20.8	46.1	9.0 a
9.2	35	1.3	19.0	
9.2		53.8	42.9	
9.4	36	17.3	27.6	
9.8		41.3	3.3	
8.9	37	11.3	13.7	—
9.2	38	33.3	20.6	
9.2		57.8	50.9	
9.2	39	18.3	58.2	
9.2		23.3	3.5	
9.4		29.8	45.9	
9.2		49.8	25.3	9.0
9.4	40	32.8	32.9	
9.4	41	11.3	47.6	
9.0		32.8	0.6	9.0 a
9.6		34.2	21.1	
9.6		39.2	41.7	
9.4		43.2	23.2	
9.1		47.2	3.4	9.0 a
9.4		56.2	5.5	
8.9	42	26.2	34.2	8.7 —
9.6		40.2	15.0	
9.1		58.2	7.9	8.5 a
9.2	43	28.2	37.7	
9.2		57.2	48.6	
9.2	44	3.7	56.2	9.5 G—
8.4		21.2	29.3	8.0 GWa
9.8		22.4	52.3	
9.6		41.2	19.0	
9.0		46.7	52.5	a
9.2	45	27.4	29.3	
8.8	46	14.7	51.4	
9.4	47	29.2	11.1	
9.6		40.2	52.2	
9.1	49	7.2	49.1	9.0
9.1	50	1.2	59.6	
9.1		10.7	20.5	
9.2		39.2	54.7	
8.5	51	46.2	6.7	8.5 G≡
8.4		47.2	52.7	8.5 =
9.1	52	51.2	31.5	9.5
9.0		56.2	9.1	
9.4	53	10.7	15.7	
8.8		24.7	23.1	8.8 G≡
10.1		36.6	16.5	
9.0		56.4	47.1	8.8 G
8.8		58.1	21.1	
10.0	54	3.1	29.4	
10.2		13.1	51.6	
10.0		14.6	23.7	
10.2		17.6	4.5	
9.2		20.1	7.9	
8.5		52.6	37.2	9.0 G=
8.0	55	15.1	11.4	8.5 GW=
10.1		32.4	8.2	
25pr.	+1	2.4	+4.7	

421—480.

mag.	3h.–4h. m	s	—27° ′	
8.7	55	44.8	42.8	9.0 G=
8.5	56	1.8	45.6	9.0 Ga
10.2		7.8	14.5	
10.2		9.8	37.9	
10.2	57	4.3	35.4	
8.8		32.8	20.6	8.5 =
7.6		34.8	50.0	7.5 GSal
9.4		40.3	16.5	9.5 —
9.5	58	16.8	29.3	
9.6		26.8	47.1	
9.5		47.8	4.4	
9.0		59.3	47.0	
8.5	59	14.8	59.8	8.6 Ga
10.0		18.8	45.1	
10.0		39.8	2.1	
10.1		59.8	52.2	
9.5	0	4.8	11.3	a
9.4		24.8	56.8	
5.5		29.1	59.7	6.0 GSlπ
10.0		36.3	33.0	
10.2		43.8	43.1	
10.2		44.8	6.5	
10.0		46.8	37.6	
9.6	1	9.8	22.0	
9.6		17.8	39.3	a
9.6		34.8	53.6	
9.6		44.8	8.3	
10.1		48.8	43.4	
9.8		51.3	21.9	
8.4		52.3	28.1	8.3 Gb—
8.2	2	12.8	45.1	8.5 GWa
10.1		19.8	23.2	
9.6		36.8	47.6	
9.6		39.8	23.8	
8.8		44.8	53.9	8.5 a
9.2		54.8	0.8	
10.0		59.8	19.5	
9.4		59.8	1.0	
9.2	3	58.8	52.2	
8.4	4	53.8	58.1	9.2 a
9.8	5	0.0	58.2	
10.0		10.4	34.1	
9.6		12.4	40.1	
9.1		15.4	11.4	
9.5		40.4	14.9	
9.8		55.4	21.2	
9.2		58.9	16.0	
8.8	6	21.4	5.2	9.0 G
8.8		24.9	24.6	9.5
10.0		32.2	59.0	
9.6		43.4	51.3	
8.8		52.9	52.6	9.0 a
8.8	7	10.4	22.8	9.0 Ga
8.8		26.4	15.2	9.0 a
10.1	8	25.9	45.2	
9.6		30.4	59.3	9.0
9.6	9	0.4	11.4	
9.0		5.4	25.3	
9.6		28.9	37.8	
10.2		34.4	53.9	
	+1	1.6	+4.1	

481—540.

mag.	4h. m	s	—27° ′	
9.5	9	40.9	39.4	
8.8		52.4	43.0	—
10.1	10	7.4	4.7	
9.6		11.4	12.2	
9.8		25.4	27.2	
10.0		28.9	50.0	
9.8		41.4	54.8	
9.1		47.4	49.5	a
8.8	11	20.4	20.0	
10.1		23.4	45.6	
9.4		23.9	4.6	
9.4		36.4	4.6	
9.8		45.9	24.8	
9.2		50.9	54.5	9.0 a
10.2	12	0.9	10.4	
9.4		21.9	58.9	9.5
9.4		44.0	31.1	
8.4	13	45.3	2.3	8.9 GW—
8.8	14	1.0	17.5	9.0 a
9.4		3.5	6.1	
8.8		10.5	34.5	8.5 Ga
10.0		15.5	22.5	
9.5		21.5	30.5	
9.1		23.0	38.5	9.5
9.0	15	15.5	13.3	a
9.5	16	4.0	37.6	
10.2		37.0	19.1	
10.2		52.9	57.6	
10.2	17	7.8	38.0	
10.2		22.8	55.3	
10.0	18	1.2	49.2	
8.2		24.9	57.0	8.2 GWa
9.2	19	33.7	36.8	
10.0		40.7	51.2	
10.0		50.7	31.2	
10.0		55.2	31.2	
9.5		59.2	19.4	
10.0	20	3.2	18.6	
10.0		16.2	53.6	
10.0		17.2	14.5	
10.0		38.2	51.9	
10.0	21	7.2	23.3	
9.7		11.7	17.0	
10.0		18.8	57.0	
8.6		33.5	32.8	8.5 —
9.5	22	23.8	11.6	
8.8		55.3	37.9	a
9.4	23	33.8	54.5	
10.0		47.8	6.2	
9.5		55.3	27.3	
10.0	24	5.3	46.4	
8.2		15.3	16.7	8.7 Ga
9.8		18.8	6.8	
10.0		34.8	33.8	
9.2		35.3	8.9	
9.0		39.3	33.8	
9.8		45.3	46.3	
9.4		50.8	46.2	
10.0		59.3	53.0	
10.0	25	25.3	2.7	
	+1	1.1	+3.6	

541—600.

mag.	4h. m	s	—27° ′	
10.0	25	28.3	5.6	
10.0		37.8	51.9	
9.0		41.8	43.6	a
10.0		46.8	19.1	
9.8		54.8	53.1	
9.6		55.6	59.5	
9.8		59.8	38.5	
9.6	26	4.3	44.3	
9.8		4.8	20.6	
9.4		16.8	26.8	
9.8		25.3	10.2	
9.8		30.3	54.3	
9.4		34.8	36.0	
10.0		54.3	28.1	
10.0	27	17.8	50.8	
10.0		41.8	38.7	
9.6	28	5.3	47.4	
9.5		9.3	56.2	
10.0		20.4	35.1	
8.8		33.4	47.4	8.5
9.8		37.4	12.7	
9.8		52.9	20.9	
10.0	29	2.7	1.7	
9.6		11.4	0.9	
9.0		17.9	42.3	9.0 —
10.0		33.9	48.5	
9.4		34.4	19.1	
9.8	30	8.4	50.1	
9.6		8.9	34.2	
9.4		26.4	44.4	9.0 a
10.0		27.4	52.1	
10.0		38.4	36.4	
9.4		45.4	33.4	
9.4		46.4	10.4	
9.0	31	1.9	51.3	8.8 Ga
8.8		5.4	25.2	
9.6		20.4	7.7	
9.2		27.4	42.4	—
10.0		30.5	27.3	
7.6		30.9	18.1	7.3 GSbl
9.4		31.9	50.1	9.0
10.0		32.2	0.3	
9.5		41.9	13.6	
10.0		49.4	43.8	
9.0		49.4	49.6	
9.4	32	24.3	1.4	
7.9		38.2	2.0	7.9 Wbl
10.0		55.4	14.6	
8.6		57.4	30.7	8.0 GW—
9.5	33	5.4	34.3	
10.0		20.4	46.7	
10.0		21.5	33.4	
9.6		25.4	46.6	
8.3		39.4	16.9	8.3 G
9.8		55.4	5.4	
9.7	34	19.4	38.6	
8.8		45.9	36.0	—
9.8		45.9	6.9	
9.4		46.9	51.9	
8.6		50.3	54.7	9.0 a
	+1	0.7	+3.2	

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601—660.

mag.	4h. m	s	—27° ′	
10·0	34	50·8	39·2	
10·0		51·3	10·0	
10·0		57·8	39·3	
9·4	35	12·3	51·9	
8·4		13·6	58·8	8·5 Ga
8·8		36·8	42·1	9·0 a
10·0		45·3	59·8	
10·0		56·8	4·5	
9·8	36	2·3	2·8	
9·6		4·8	8·5	
10·0		9·3	4·3	
9·4		17·3	51·3	
10·0		21·3	29·3	
10·0		24·8	1·1	
9·8		45·8	58·4	
9·5		52·3	12·3	
9·5	37	10·3	27·9	
9·8		19·3	8·5	
10·0		38·9	1·5	
10·0		45·3	5·5	
8·6		50·3	15·5	8·3 G–
9·4	38	28·5	38·6	
10·0		35·9	51·9	
10·6		37·1	45·6	
[illegible]		48·5	0·5	
9·6		50·6	18·7	
9·8		56·0	32·8	
10·0	39	1·0	18·0	
8·0		14·0	48·5	7·0 GSct
9·0		26·3	28·6	
10·0		27·5	25·8	
8·[illegible]		43·0	0·1	7·5 Ga
8·8		57·2	2·6	8·3 Ga
9·8	40	7·2	13·3	
9·6		19·5	2·8	
9·4		19·7	3·9	
9·8		21·2	21·1	
8·6		54·7	16·6	8·7 Ga
9·7		59·7	6·7	
9·6	41	1·2	49·3	
9·4		1·7	20·8	9·0
8·8		5·2	37·4	9·0
9·0		15·7	6·4	a
9·3		20·7	29·6	8·5 G–
10·0		28·7	36·4	
9·6		36·2	49·4	
9·4		38·5	59·8	
8·6		44·7	31·6	9·0 G
9·6	42	22·7	19·4	
10·1	43	7·2	38·5	
9·0		14·7	4·6	9·2 Ga
9·9		22·2	26·1	
10·2		29·7	43·4	
9·4		39·7	11·0	
8·8		46·2	31·2	
9·9	44	9·7	16·9	
9·2		13·7	23·7	
9·3		14·2	31·9	
9·4		21·2	20·9	
9·4		31·7	20·7	
25pr.	+ 1	0·5	+2·9	

661—720.

mag.	4h. m	s	—27° ′	
9·4	44	33·2	16·8	
9·4	45	14·2	35·1	
10·2		28·7	17·7	
8·2		29·7	18·9	7·3 GSal
8·3	46	2·7	43·9	8·2 Ga
8·6	47	5·7	16·3	8·7 Ga
9·4		14·7	4·9	
9·1		33·0	59·6	
10·1		35·7	28·4	
10·2		53·2	53·3	
9·6	48	18·7	49·1	
9·6		27·2	24·0	
9·6		34·7	53·1	
9·6		37·5	57·7	
8·1		44·2	54·4	8·1 G
9·4		54·7	28·1	
8·3		59·2	15·6	8·5 Ga
8·6	49	0·7	8·6	9·0 Ga
8·9		5·7	44·9	9·0
9·4		14·7	45·6	8·5
9·0		27·7	28·6	
9·0		30·2	21·4	
10·1		30·7	54·9	
10·1		40·2	29·9	
8·9	50	49·7	54·2	8·2 GWa
10·0		50·2	41·3	
10·1	51	38·4	19·2	
9·6	52	14·9	56·2	
8·9	53	1·4	22·0	9·0
10·1		4·4	58·7	
9·1		29·9	7·2	9·0
9·2		32·9	15·4	
10·1		36·4	54·4	
7·9		40·9	37·8	8·2 =
9·6		42·4	11·8	
9·2		53·9	58·5	
10·0	54	9·9	6·6	
8·8		36·9	47·9	8·8
9·0		42·4	15·4	9·0 G
9·9		46·9	24·0	
10·1		51·9	23·6	
9·1		58·4	5·7	
10·1		58·9	57·4	
10·2	55	14·9	9·6	
9·6		14·9	57·0	
9·1		42·9	7·9	9·0
9·2		44·9	40·0	9·0
10·1	56	4·9	8·0	
8·8		7·4	17·7	a
9·4		24·4	38·0	
9·6		31·9	50·0	
9·9		49·9	57·5	
9·4		50·9	53·0	
9·6		53·4	27·8	9·0
9·6	57	29·9	48·2	
9·9	58	1·9	38·0	
9·6		23·9	11·2	
9·6		41·4	30·2	
9·9		45·6	0·4	
8·9		56·9	50·1	8·5 GWa
	+ 1	0·1	+2·4	

721—780.

mag.	4h.–5h. m	s	—27° ′	
9·6	59	23·9	10·5	
9·7		56·9	0·9	
10·2	0	3·9	36·3	
9·6		4·4	42·2	G
10·2		18·1	0·3	
10·1		39·9	13·0	
8·8		50·4	41·6	9·0 Gb
8·4		59·9	44·8	8·5 Ga
10·1	1	2·4	32·1	
10·2		8·0	2·6	
9·6		31·9	8·1	
10·2		45·9	52·0	
9·4		57·2	0·9	
10·1		57·2	35·3	
9·6		59·2	38·2	
9·6	2	1·7	54·1	
9·4		1·9	25·4	9·5 Ga
9·4		6·4	20·9	
8·9		6·7	15·7	9·0 Ga
10·0		14·2	29·5	
10·1		23·3	12·9	
9·3		41·7	43·9	
10·1	3	26·0	22·4	
9·0		26·0	5·8	
9·3		34·0	46·0	
9·4		37·0	38·5	
10·0		39·0	18·9	
9·8		42·5	46·8	
9·0		44·0	26·4	a
9·1		47·0	25·4	a
9·5	4	16·0	54·3	G
9·8		40·9	1·9	
10·0		55·5	23·1	
9·2	5	8·0	44·6	
9·2		15·0	12·5	
10·0		31·0	5·0	
9·3		39·5	37·2	9·0
9·8		48·0	51·2	
10·0		51·5	17·0	
8·8	6	12·0	41·4	9·0 Ga
8·6		13·0	13·5	
10·1		23·5	2·0	
9·0		25·0	41·0	9·5
8·6		26·5	6·1	8·5
9·0		28·5	50·4	8·8 Ga
10·0		32·5	11·7	
9·6		54·0	52·1	
9·3	7	2·0	32·5	9·0
9·8		20·0	3·9	
10·1		41·0	40·1	
8·3		48·5	49·6	8·5 Ga
10·1		52·0	40·2	
8·0		52·0	19·6	7·2 GSb–
8·1		56·0	18·5	7·5 GSb–
9·1	8	2·5	14·3	
9·8		24·5	55·6	
10·0		49·5	52·1	
10·1	9	0·0	52·1	
9·3		14·0	38·3	
9·0		14·5	27·4	9·0 GWa
	+ 0	59·9	+2·0	

781—840.

mag.	5h. m	s	—27° ′	
9·8	9	31·0	26·2	
10·1		31·5	45·1	
8·0		36·5	6·4	7·7 GStπ
9·6		40·0	52·1	
9·2		42·5	41·6	
10·1		55·0	31·5	
10·1	10	11·5	45·6	
10·0		17·5	23·4	
10·0		23·0	45·0	
4·7		24·0	5·1	5·3 GStπ
10·1		24·5	25·3	
10·0		28·5	5·6	
9·5		31·0	50·5	
10·1		36·0	43·8	
9·0		45·5	31·7	9·5 Wa
10·1		48·0	57·8	
10·0		54·5	48·6	
10·1	11	29·5	55·9	
9·0		36·8	1·3	
10·1		46·0	44·8	
10·0		48·5	34·3	
9·2		49·0	33·4	a
10·0		57·0	51·9	
10·1	12	6·0	18·0	
9·6		8·0	11·6	
8·6		16·0	22·9	8·0 GWa
9·6		18·5	41·5	
8·6		36·5	16·1	8·2 Ga
9·6		38·0	46·5	
9·0	13	2·5	37·3	GWa
9·6		6·5	56·3	
9·1		24·3	0·1	
9·5		36·0	45·8	a
9·6		50·0	55·1	
9·8	14	12·5	18·1	
8·8		15·5	31·3	9·5 Ga
9·5		18·0	24·1	
5·7		25·0	29·9	6·2 GStπ
10·1		59·5	3·2	
10·1	15	13·5	24·4	
10·1		17·5	17·8	
10·1		42·0	48·3	
8·8		43·5	55·9	8·8 Ga
10·0		46·0	33·5	
9·6		55·0	6·7	
9·0	16	6·5	42·8	a
9·6		7·0	53·9	
9·3		11·0	13·6	9·0
10·0		13·0	13·9	
10·1		17·0	25·8	
9·8		17·5	6·5	
10·1		23·0	3·3	
10·0		37·0	12·1	
9·8		46·0	4·9	
9·6	17	14·0	7·3	
10·1		21·5	51·7	
10·1		34·5	14·3	
9·0	18	1·0	17·5	
8·8		2·5	31·3	9·0 G–
10·0		19·0	0·4	
	+ 0	59·8	+1·7	

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841—900.

mag.	5h m	s	—27° ′	
8.6	18	33.5	50.7	9.0 a
9.8		43.5	24.6	
10.0		45.5	47.9	
9.8		52.5	40.9	
10.0	19	13.1	2.9	
9.5		19.6	25.3	
10.0		22.1	27.3	
9.0		35.6	11.8	a
8.8		40.6	56.9	8.5 Ga
10.1	20	0.6	49.0	
10.0		3.1	30.4	
10.1		29.6	34.1	
9.5		44.7	58.4	
9.3		45.6	26.9	
9.5		59.6	19.5	
10.0	21	16.6	13.5	
9.6		37.6	52.0	
8.8		41.6	35.6	9.0 Ga
9.4		48.6	55.0	10.0
9.0	22	30.6	4.8	9.0 Ga
8.3		32.6	22.3	8.5 a
10.0		38.6	3.0	10.0 G
10.1		53.1	12.0	
9.4		58.1	49.6	
9.3	23	19.6	20.6	
10.1		21.6	14.1	
9.5		47.6	39.5	
9.6		51.9	17.3	
8.8		51.9	12.9	a
9.0		58.2	53.9	9.5 a
10.0	24	11.6	38.5	
10.1		39.1	29.3	
8.8		40.6	42.4	a
9.0		47.6	10.1	9.2 a
9.8		50.1	42.4	
10.0	25	5.6	27.1	
9.9		13.8	26.6	
8.9		50.3	13.6	9.8 a
9.6		53.8	20.7	
10.0	26	14.8	34.4	
9.6		14.8	14.7	
10.0		14.8	52.5	
9.9		44.8	49.7	
9.2		54.8	17.3	9.0 Ga
10.0		59.8	31.9	
9.5	27	4.8	4.9	a
8.6		16.3	44.9	9.0 G=
9.0		21.3	41.9	9.8
8.7		28.3	22.6	9.2 a
9.3		33.3	0.5	9.0 a
10.0		37.3	32.5	
10.0	28	13.3	11.0	
8.8		39.8	54.3	a
10.0	29	4.9	43.8	
8.9		9.8	11.2	9.5 Ga
10.0		34.8	24.7	
10.0		35.3	56.0	
8.8	30	7.3	36.1	9.5 a
10.0		11.8	7.9	
9.3		16.8	52.8	9.5
25pr.	+0	59.6	+1.3	

901—960.

mag.	5h m	s	—27° ′	
8.8	30	24.3	15.0	8.8 Wa
10.0		35.8	51.0	
8.2		43.8	41.6	8.3 Ga
9.8		48.8	38.0	
8.8		57.3	44.0	9.3 a
9.6	31	9.8	53.5	9.5 G
9.8		40.8	2.7	
9.0		54.8	30.9	a
9.5		55.3	31.4	
8.9	32	11.3	24.2	
7.0		19.8	56.7	6.5 GStπ
8.4		35.3	39.5	8.2 Ga
8.2	33	8.4	17.0	7.5 GSa
9.4		29.9	42.9	
8.9		57.4	48.0	8.2 Gb
10.0	34	9.9	38.3	
10.0		14.0	44.0	
8.8		50.9	30.0	9.0 a
9.9		57.9	44.8	
8.4	35	4.4	0.7	9.2
8.8		4.9	8.5	
9.2		10.0	48.4	9.5 –
9.6		11.9	29.4	
9.0		14.9	52.0	9.2 a
8.4		24.9	49.6	8.5 Ga
10.0		44.9	8.5	
9.6		54.9	22.0	
9.6		56.9	6.6	
9.0	36	12.9	52.6	9.5 Ga
10.0		29.4	54.0	
8.7		31.9	31.1	
9.2		32.4	48.1	10.0 G
9.5		39.9	4.9	
9.0		58.4	45.2	9.0 –
9.5	37	7.4	4.3	
8.0		24.4	46.0	8.0 GSa
9.6		34.9	19.8	
9.9		54.9	27.0	
9.4	38	51.4	12.2	
9.9		52.9	16.7	
9.9		57.9	44.8	
9.4		59.9	39.0	
9.9	39	3.4	45.6	
8.0		14.9	36.0	8.2 GWa
9.9		18.4	21.9	
9.4		20.1	26.9	
10.0		31.1	59.1	
8.8	40	0.1	28.1	9.0
8.6		2.1	45.1	9.2 Ga
8.2		11.1	3.3	8.2 Ga
9.8		13.1	15.5	
8.8		27.3	57.1	
8.8		27.6	40.1	9.5 Ga
8.8		33.6	32.1	8.0 GWa
10.0		39.6	30.5	
10.0		53.1	41.1	
8.9		54.1	26.8	9.0 Ga
9.4		59.6	27.5	10.0 b
10.0	41	16.1	50.6	
9.4		25.1	8.6	
	+0	59.5	+0.8	

961—1020.

mag.	5h m	s	—27° ′	
9.2	41	30.1	0.1	9.2
9.6		40.1	48.8	
9.5		45.6	42.6	
10.0		50.6	51.8	
10.0		57.6	56.8	
7.8	42	23.1	10.8	7.8 GStπ
9.4		55.1	0.7	9.0 a
8.8	43	35.1	55.8	9.0
8.9		41.1	23.7	a
10.0		46.1	50.1	
9.8		51.6	52.1	
9.3		53.1	48.2	
9.6	44	0.1	50.1	
9.4		9.6	36.4	
10.0		22.1	36.7	
10.0		50.1	0.5	
10.0		55.1	4.9	
8.8	45	0.1	35.7	9.5 a
9.8		22.1	17.9	
10.0		39.1	40.3	
9.8		43.1	11.7	
10.0		50.1	5.8	
9.6		59.1	49.9	
9.6	46	15.2	1.4	
9.0		25.2	49.0	
10.0		32.7	1.1	
10.3		43.1	17.1	
10.0	47	0.4	50.7	
9.8		0.9	52.9	
10.0		1.1	22.8	
9.8		14.6	5.4	
9.2		19.9	31.1	
10.1		26.4	19.7	
10.2		37.9	19.3	
8.9		46.4	20.1	
9.7		46.9	26.3	
10.3		55.5	55.3	
10.3	48	2.5	5.4	
9.6		10.7	32.6	
9.2		10.7	29.4	
10.1		20.2	50.8	
9.4		27.2	56.8	
10.1		33.7	43.4	
10.1		52.2	23.3	
10.0		52.7	4.0	
9.8	49	18.2	56.5	
10.3		21.2	19.4	
10.1		24.2	55.1	
9.0		28.2	8.3	
10.0		42.2	49.1	
10.2		49.5	1.0	
10.3	50	0.2	45.9	
8.8		29.2	57.4	9.0
10.3		29.5	59.1	
10.2		31.1	41.8	
10.1		33.2	23.7	
10.1		33.7	58.5	
10.1		41.2	44.5	
10.0		50.8	1.0	
10.3		51.7	46.2	
	+0	59.4	+0.5	

1021—1080.

mag.	5h m	s	—27° ′	
9.2	50	55.2	21.3	
9.7	51	27.7	8.7	
10.3		32.2	15.9	
8.8		34.7	4.5	9.2
9.6		35.2	3.4	
9.4		42.2	27.4	
10.1		53.2	53.2	
9.3	52	7.2	11.3	
8.8		21.2	20.7	8.8 Sa
10.3		22.7	34.6	
10.2		32.2	37.2	
8.8		32.2	46.8	8.8 G≡
9.2		43.2	42.6	9.2
9.6		46.2	11.8	
10.3		49.1	40.9	
10.0	53	17.5	58.1	
8.5		23.6	59.8	9.0
10.3		26.0	7.1	
10.0		33.5	50.0	
9.0		37.5	32.3	
9.0		41.5	4.1	9.0 Ga
10.3		45.0	26.0	
9.0	54	22.5	29.0	
10.3		23.5	53.3	
10.3		26.0	9.4	
10.3		51.0	51.1	
10.0		53.0	26.8	
10.2		59.5	13.0	
10.2	55	6.5	34.8	
8.7		9.0	3.4	Ga
8.9		10.5	37.8	9.0 a
9.6		14.5	45.4	
9.2		22.5	45.6	
7.8		33.0	53.7	8.5 GWa
10.1		44.0	27.9	
10.2	56	0.5	54.9	
9.6		5.5	21.5	
9.8		6.5	20.9	
9.0		7.0	19.3	a
10.1		9.5	16.0	
9.7		11.0	26.1	
9.2		12.5	33.6	9.0 Ga
10.1		15.0	25.7	
9.4		19.0	23.2	
10.3		29.0	34.5	
10.1		35.0	32.8	
10.0		52.0	46.4	
8.2		55.0	21.5	7.2 GSa
10.2	57	6.5	9.1	
9.6		8.5	25.0	
7.6		9.0	25.5	7.0 GSa
10.1		10.2	59.8	
9.6		12.0	46.3	
9.2		16.5	54.2	
9.2		22.0	49.5	
9.6		26.0	3.5	
9.4		36.0	23.2	
10.1		46.5	46.3	
10.3		47.9	40.9	
10.3		49.4	2.0	
	+0	59.4	+0.2	

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1081—1140.

mag.	5h–6h m	s	—27° ′	
9·0	58	4·9	10·7	a
10·2		7·9	5·4	
9·4		22·4	39·8	
9·4		22·4	34·9	
10·3		33·4	44·4	
9·6		33·4	25·8	
9·2		43·4	47·9	9·2 G
10·1		44·4	49·5	
9·4		54·4	24·0	
9·4		57·9	15·5	a
9·8	59	1·9	26·7	
9·2		2·9	28·3	
10·3		4·9	18·9	
10·2		10·9	11·5	
10·2		16·4	8·5	
10·2		18·5	32·5	
10·3		24·4	3·3	
9·0		27·9	49·8	
10·2		29·9	52·5	
10·1		30·9	18·1	
9·6		36·9	57·1	9·5 a
9·3		37·9	4·8	10·0
10·3		44·9	32·9	
9·4		50·4	57·9	9·5 a
9·3		57·9	26·3	
10·6	0	5·4	35·2	
9·8		13·4	37·4	
10·0		15·9	48·1	
9·4		20·9	41·4	
8·8		31·9	11·0	8·2 Ga
10·3		38·4	9·1	
10·2	1	7·9	33·3	
10·0		11·9	22·0	
8·9		21·4	53·7	a
10·0		22·9	18·3	
9·7		27·9	4·5	
10·3		29·4	47·9	
9·2		35·4	3·9	
10·3		38·4	55·0	
9·8		39·9	5·5	
9·6	2	6·8	7·3	a
8·6		9·8	15·1	Ga
9·0		19·8	7·2	Gb
10·3		30·3	45·9	
9·6		39·3	18·8	
9·0		46·8	49·8	
9·2		46·8	20·5	
10·3	3	6·8	45·8	
10·3		14·8	40·8	
10·2		17·8	51·1	
9·4		21·8	38·6	
9·2		23·3	20·2	
9·8		32·8	0·9	
9·6		39·8	0·8	
9·6		45·8	4·0	
9·6		50·8	8·0	
10·3		59·8	4·8	
8·5	4	3·8	40·4	9·5 Ga
10·2		9·3	57·3	
10·2		11·8	13·8	
25pr.	+0	59·4	0·0	

1141—1200.

mag.	6h m	s	—27° ′	
9·6	4	16·8	49·9	
10·3		31·8	0·0	
9·6		32·8	19·8	
9·6		34·8	46·9	
9·4		35·7	1·3	
9·7		49·9	57·9	
10·3		53·3	30·1	
9·6		55·8	15·2	
10·3	5	3·3	29·0	
9·0		5·8	50·2	a
8·8		28·8	29·7	9·5 G
9·8		33·3	24·1	
10·2		34·3	11·6	
7·3		36·3	7·7	6·0 GStπ
8·4		41·3	32·7	9·0 –
10·3		42·8	35·4	
10·1		56·3	37·4	
10·2	6	5·8	23·8	
9·7		13·8	11·4	
9·0		24·0	59·0	
10·0		24·8	23·9	
7·8		29·3	1·9	7·5 GStπ
10·0		30·3	29·2	
9·6		35·8	37·7	
10·3		38·8	44·8	
7·8		41·3	54·2	GSb=
10·3		43·3	37·8	
8·4		43·3	12·2	7·8 G=
10·3		47·3	1·2	
10·2		58·3	22·3	
10·2		59·5	0·9	
10·3	7	6·8	48·2	
9·4		16·8	33·7	
9·4		25·8	42·0	
10·3		31·3	15·4	
9·3		33·3	9·4	
10·3		34·4	26·5	
10·0		38·3	54·3	
9·4		41·8	45·6	
10·2		42·3	48·6	
9·6		44·3	1·9	
8·1		44·3	41·7	7·2 GSb–
8·5		45·8	42·8	7·5 GSb
8·5		48·8	13·4	
8·3		58·8	42·2	7·0 GWb–
10·3		58·8	57·7	
9·6	8	0·8	20·2	
9·0		3·3	51·0	
10·2		4·3	7·8	
10·0		11·3	27·9	
10·3		19·8	59·0	
8·8		24·8	18·4	
9·6		25·3	52·0	
9·6		29·0	4·6	
10·3		34·3	21·9	
9·6		37·3	34·5	
10·1		42·3	6·6	
9·0	9	3·8	53·9	
9·4		8·0	30·6	
9·7		8·3	10·4	
	+0	59·4	–0·3	

1201—1260.

mag.	6h m	s	—27° ′	
10·3	9	27·8	33·4	
9·2	10	1·3	46·3	
9·9		2·6	4·4	
9·5		9·1	7·5	
9·5		13·6	28·8	9·5
9·1		44·3	5·2	9·5
9·0		48·3	6·2	9·5
9·9	11	1·0	1·2	
8·8		4·8	28·0	8·0 G=
9·2		14·8	53·8	
9·3		29·3	38·8	
9·4		44·8	9·3	
9·8	12	6·2	27·1	
9·5		10·3	53·8	
9·8		10·8	3·4	
9·5		11·8	34·2	
8·6		12·8	22·0	8·8 Ga
9·6		17·8	54·6	
9·5		20·3	13·6	
9·6		30·8	7·4	
9·5		30·8	55·5	
8·6	13	12·8	11·2	9·5 Ga
9·0		22·3	1·0	9·0 a
9·8		25·8	51·7	
9·7		49·9	59·4	
9·8		56·2	19·5	
10·0		56·3	25·2	
8·3	14	12·8	7·8	9·0 Ga
9·5		18·3	11·3	
9·9		21·8	3·0	
9·5		26·2	28·8	
9·8		35·8	37·2	
9·0		40·8	34·0	
9·2		48·8	10·4	
9·5		52·3	37·2	
9·5	15	1·8	56·5	
9·8		13·3	59·3	
10·0		16·2	40·1	
9·6		17·3	56·7	
9·5		20·3	21·4	
9·0		41·3	20·8	10·0 –
9·5	16	1·6	59·4	
9·7		8·4	19·7	
10·0		10·4	26·1	
9·7		26·4	24·1	
9·9		42·3	25·9	
9·9		45·4	14·1	
8·4		45·9	26·9	8·5 Ga
9·8		48·4	34·3	
9·8	17	2·9	46·5	
9·0		3·4	27·7	
9·0		12·9	47·1	a
9·5		14·4	3·7	a
9·0		30·4	38·4	Ga
9·0		44·4	47·3	a
9·8		50·4	43·7	
9·6		52·9	48·5	
9·8		54·4	18·1	
9·7	18	5·9	39·7	
10·0		7·4	6·2	
	+0	59·4	–0·5	

1261—1320.

mag.	6h m	s	—27° ′	
9·0	18	10·9	30·1	
9·8		25·9	55·3	
9·6		33·9	46·9	
9·4		54·9	18·3	a
9·9	19	0·9	13·7	
9·8		0·9	12·0	
9·4		12·4	41·4	
9·1		24·9	26·3	a
8·3		24·9	57·5	8·5 G=
8·4		25·9	15·1	Ga
9·6		26·4	35·2	
9·5		28·4	51·2	
9·6		28·4	43·2	
10·0		31·9	9·3	
9·4		35·9	30·4	
9·4		36·9	43·4	
9·6		41·9	30·1	
9·6	20	10·6	18·0	
9·7		21·9	50·3	
9·9		27·4	16·5	
9·8		41·9	38·0	
9·9		43·4	46·5	
9·4		45·9	7·0	
9·4		51·0	14·0	
9·7		56·3	58·2	
9·9	21	3·5	4·4	
9·9		17·5	19·8	
9·4		21·5	18·2	
9·2		23·5	49·7	a
9·9		27·0	34·1	
9·6		35·0	18·0	
9·4		52·0	28·5	
9·6		54·0	22·4	
10·0		58·5	53·1	
9·8	22	7·5	41·6	
9·4		16·5	43·8	
9·4		33·5	0·3	
9·5		33·5	55·4	
9·0		36·0	51·6	
9·1		36·5	38·9	
9·2		41·0	48·2	
9·8		42·5	29·0	
9·6		42·5	9·5	
9·6		48·0	11·7	
9·7	23	2·0	35·2	
8·2		6·5	4·0	8·8 GSa
9·8		9·9	23·8	
9·0		21·0	30·1	
9·8		33·0	1·7	
9·0		34·5	43·3	9·5 a
9·5		42·0	33·3	
8·7		47·0	34·8	9·0 a
9·5		48·5	23·6	
8·7		50·0	55·2	8·3 Ga
9·5		51·5	12·9	
9·4	24	12·5	44·7	
10·0		23·5	16·5	
9·0		26·5	27·8	9·5 Ga
9·7		46·5	3·2	
8·6		53·0	20·3	8·5 Ga
	+0	59·5	–0·8	

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1321—1380.

mag.	6h. m	s	−27° ′	
9.7	25	6.5	55.0	
9.4		6.5	22.4	
9.6		10.0	38.5	
9.7		12.0	37.9	
9.1		15.0	29.2	Ga
9.0		17.0	38.4	
9.8		23.6	5.0	
6.2		49.1	41.0	6.0 GStπ
9.7	26	6.6	20.1	
9.7		16.6	37.9	
8.9		20.8	0.9	
9.2		32.1	4.7	
9.4		32.1	16.3	
9.6		33.6	50.1	
9.2		46.6	56.7	9.5
9.9		52.6	2.7	
9.5		58.6	20.8	
9.9	27	3.6	17.3	
8.6		4.1	56.5	8.2 Ga
9.4		6.6	4.3	
9.3		20.1	34.4	
9.4		24.1	55.1	
9.0		26.1	41.9	Ga
9.7		32.1	22.4	
9.8		33.1	3.2	
9.8		44.1	54.3	
8.0		46.6	18.9	GSb–
9.4		53.1	54.1	
9.6		53.6	46.3	
9.9		58.6	45.5	9.5
9.2		58.6	50.9	9.0 Ga
8.4	28	4.1	30.3	8.0 G–
10.0		6.8	44.4	
9.2		12.1	54.8	
9.8		24.6	44.1	
9.6		29.6	18.8	
9.5		36.6	48.3	
9.8		36.6	18.5	
9.8		38.3	57.5	
9.9		47.6	48.5	
9.5		50.1	9.7	
8.8		50.6	51.7	9.5 a
9.9		55.1	15.7	
9.9	29	12.1	16.7	
9.4		13.6	31.5	
9.0		16.1	13.8	8.5 Ga
9.6		19.1	37.2	
9.8		43.4	16.2	
9.8		53.4	30.6	
9.1		53.9	3.2	Ga
9.7		56.4	59.9	
8.8	30	2.4	11.2	9.2 Ga
9.2		5.9	12.0	a
9.0		12.9	39.0	
9.4		41.9	56.3	
10.0	31	2.9	17.9	
8.4		10.9	30.7	8.0 G=
9.5		39.7	24.1	a
9.8	32	0.9	36.8	G
9.9		3.9	21.6	
25pr.	+0	59.5	−1.0	

1381—1440.

mag.	6h. m	s	−27° ′	
10.0	32	19.9	56.0	
9.0		22.0	22.2	a
9.8		28.2	29.4	
9.7		31.9	38.7	
9.4		53.9	37.9	
9.9		56.8	56.1	
8.0	33	2.4	41.5	GWb
9.3		2.4	29.1	
9.3		4.9	49.8	
9.8		9.4	10.2	
9.1		17.9	13.6	b
8.6		28.9	50.9	–
9.5		31.9	46.1	
9.7		48.9	26.4	
9.7		48.9	24.1	
8.4		51.9	38.0	8.0 GWa
8.4		57.7	0.6	Ga
9.7	34	7.2	57.5	
9.8		23.4	25.9	
9.7		31.9	26.5	
9.5		33.2	1.3	
9.5		42.9	4.8	
9.2		44.9	8.1	
9.4		52.4	45.4	
9.9		58.4	6.0	
9.9	35	0.3	0.1	
9.0		4.9	40.5	9.0 Ga
8.4		5.4	17.0	
9.8		8.9	23.0	
9.8		14.4	46.0	
9.3		16.6	38.5	
9.3		20.9	10.0	
9.9		22.9	38.5	
9.5		25.9	7.6	
9.7		26.4	26.1	
9.2		30.9	15.0	
9.1		37.4	14.6	
9.1		37.9	54.3	
9.3		52.2	59.4	
9.5		55.4	47.5	
9.9		59.4	31.0	
9.9	36	11.4	6.1	
7.8		27.4	28.1	8.0 Ga
9.7		30.7	58.0	
9.3		32.2	23.8	9.5
8.2		40.2	45.7	8.0 Wa
9.4		40.7	18.2	
9.7		44.2	11.9	
8.7		46.2	37.4	8.8 GWa
8.4		47.2	30.9	7.5 GStπ
9.1		59.7	6.6	
9.0	37	4.2	51.1	
9.9		15.7	9.0	
9.9		36.2	29.1	
9.6		50.2	34.1	
9.5		57.2	42.9	
9.6	38	23.2	25.0	
9.7		41.2	49.0	
9.6		42.2	26.4	
9.5		43.2	54.1	
	+0	59.6	−1.3	

1441—1500.

mag.	6h. m	s	−27° ′	
7.6	38	54.7	28.1	7.5 GSa
9.4	39	17.7	18.3	
9.7		28.2	29.8	
9.1		33.7	26.6	9.5
9.1		38.2	27.9	
9.8		40.7	50.2	
9.4		51.2	21.0	9.0
7.3		52.7	13.4	6.8 GSa
9.9		52.7	53.9	
9.8		53.2	10.8	
9.5		53.7	16.1	
9.2		59.7	8.3	8.6 a
9.3	40	30.7	17.1	
9.9		31.2	31.9	
9.2		32.2	4.3	9.0
9.9		44.4	1.8	
9.3		48.2	48.8	
9.7	41	4.7	39.4	
9.7		7.2	12.4	
8.6		7.2	10.8	9.0 –
9.0	42	9.2	58.9	
8.8		12.7	12.8	9.2 G
9.6		12.8	9.0	
9.5		27.3	29.9	9.0
9.9		29.3	7.0	
9.8		31.3	28.8	
9.7		33.8	43.6	
9.8		34.3	50.0	
9.5		44.8	40.6	
9.5		47.3	4.5	9.0
9.0		53.8	27.4	8.5 a
9.9		59.3	3.1	9.5
9.5	43	19.8	33.9	
7.7		34.3	14.5	8.0 GSb
9.7		37.3	51.5	
9.9		39.8	20.0	
8.7		44.3	1.9	9.0
8.8		49.3	13.5	9.0 Ga
8.8		59.0	56.2	8.8 –
9.0		59.0	1.1	
9.2	44	6.3	12.6	
9.4		8.3	11.1	
8.8		23.3	49.2	
9.3		26.3	24.4	
9.7		53.8	49.9	
9.3		58.5	57.7	9.5
7.0	45	6.3	11.5	7.0 GSct
9.4		13.8	27.0	
8.8		21.8	48.8	8.5
8.6		21.8	9.9	8.7 Wa
9.9		37.3	39.1	
9.7		57.8	59.6	
9.0	46	3.3	46.3	
9.5		4.3	36.1	
9.2		4.3	31.1	
8.9		10.8	6.9	7.8 GWa
9.7		23.3	19.8	
9.5		23.8	20.4	
8.6		24.8	45.7	
9.9		26.3	55.9	
	+0	59.7	−1.6	

1501—1560.

mag.	6h. m	s	−27° ′	
9.0	46	28.3	58.1	
9.3		40.3	2.0	9.0 a
9.8		50.3	42.7	
9.6		52.3	19.7	
9.0		57.3	13.8	
9.7		57.3	38.3	
9.5	47	5.3	23.8	
9.6		6.3	31.6	
8.9		7.3	49.9	8.5 G=
9.8		11.8	27.1	
9.0		15.3	30.9	
9.8		16.3	35.4	
9.9		28.3	2.9	
9.7		33.3	39.8	
9.5		33.3	12.8	
8.6		34.3	37.2	8.5
9.5		39.3	25.7	
8.3		40.3	48.2	8.5 a
9.5		44.3	13.1	
9.6		45.8	25.5	
8.8		53.1	57.2	
9.9		57.3	22.2	
9.4		58.3	21.6	
9.5	48	1.8	4.0	
9.4		3.3	29.3	
9.9		4.3	19.5	
9.6		4.8	1.1	
8.8		6.8	17.4	
9.0		18.3	43.0	9.2 G
9.5		19.3	36.6	
9.8		20.3	34.6	
9.8		22.3	23.4	
9.9		22.8	4.7	
8.6		30.3	41.6	8.5 Ga
9.8		39.8	55.3	
9.5		44.3	15.5	
9.8		47.8	27.0	
9.7		54.3	43.9	
9.8	49	2.3	10.1	
8.0		3.3	36.3	8.0 Ga
9.0		13.3	12.5	8.5 –
9.5		17.8	30.4	
9.5		23.4	41.0	
9.8		27.4	7.8	
8.4		33.9	24.0	8.2 GWa
9.9		45.9	48.6	
9.0		51.4	4.6	9.0
9.8		53.4	6.2	
9.9		53.6	26.0	
9.1		55.9	18.8	
9.3	50	6.1	57.8	9.5
9.9		7.9	30.9	
9.9		13.4	50.2	
9.5		15.9	38.8	
9.9		28.6	2.9	
9.4		34.4	0.8	8.8
9.9		36.9	49.6	
9.9		38.4	12.9	
9.8		47.4	35.0	
9.2		47.9	52.4	
	+0	59.8	−1.7	

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1561—1620.

mag.	6h. m s	—27° ′	
9.2	50 58.9	27.3	
9.5	51 6.4	0.9	
9.9	10.9	6.8	
9.9	24.4	57.0	
8.9	24.4	52.6	
9.5	26.4	17.7	
9.5	26.4	45.8	
9.6	28.4	18.6	
9.2	33.9	35.8	
9.6	37.4	16.8	
9.5	37.9	30.4	
9.5	44.4	40.4	
9.8	47.4	35.8	
9.8	59.9	59.6	G
9.0	52 3.9	7.7	9.5
9.6	5.9	5.0	
9.9	19.4	13.8	
9.1	22.4	40.2	
8.6	24.2	1.5	8.0 Ga
9.6	25.9	19.2	
9.9	33.4	27.3	
9.9	33.9	58.3	
9.9	33.9	11.0	
9.5	37.9	13.2	
9.5	40.4	45.9	
6.8	43.4	22.2	6.5 GSb
9.9	46.9	10.9	
9.8	55.4	53.1	
9.4	53 4.4	50.4	
9.9	14.9	7.5	
9.3	30.4	26.5	
9.1	30.4	7.7	
9.9	33.9	8.6	
9.5	37.4	32.2	
9.9	37.4	9.7	
9.0	38.9	53.8	8.5 a
9.4	43.2	49.7	
9.8	54 0.5	18.6	
9.8	3.2	57.8	
9.4	8.7	42.1	9.0 a
9.8	16.9	21.5	
9.8	17.5	59.7	
9.4	21.5	47.4	
9.6	21.5	25.0	
9.7	27.7	26.0	
9.4	32.2	53.8	
8.0	36.5	43.2	7.5 GSa
9.8	46.0	50.4	
9.6	47.0	35.7	
9.6	48.5	6.5	
9.0	50.9	8.5	
9.6	51.5	28.4	
9.8	53.5	47.4	
9.0	54.7	29.8	
9.0	55 4.6	0.8	
8.4	13.0	37.6	8.2 a
9.7	15.5	36.7	
9.6	21.5	29.3	
8.6	26.0	35.0	8.2 a
9.6	26.0	49.6	
25pr.	+0 59.9	−1.9	

1621—1680.

mag.	6h. m s	—27° ′	
9.0	55 30.5	52.2	
9.1	32.0	38.5	
9.4	36.5	25.8	
9.3	39.5	54.1	
9.6	43.5	33.0	
9.8	44.0	18.8	
9.6	47.5	55.3	
8.6	47.5	46.6	8.8
9.6	47.5	9.9	
8.8	48.0	35.9	7.5 Ga
9.4	56.5	23.3	
9.8	56 0.5	16.0	
9.0	5.0	28.0	
9.6	6.3	58.6	
9.0	6.5	7.4	
9.8	10.0	9.0	
9.6	10.0	14.5	
8.8	11.0	29.9	9.0 G
8.2	12.5	30.6	8.0 Ga
9.6	22.5	5.1	
9.2	23.5	15.3	
9.7	27.9	0.7	
7.7	32.7	2.8	GSb−
8.1	33.0	40.9	8.0 Ga
9.4	39.6	58.0	
9.0	40.5	52.6	
9.4	42.0	24.8	
7.1	45.0	45.4	3.5 GSπβ
9.8	48.4	41.9	
8.8	48.5	31.4	8.5 Gb
9.8	55.0	12.2	
9.4	56.9	0.9	
9.8	57 21.5	33.3	
9.0	30.5	23.7	
9.8	42.5	8.0	
9.8	43.5	14.9	
9.4	51.0	4.0	
9.4	55.9	53.5	
9.6	58.9	50.6	
8.8	58 6.9	14.4	
9.2	8.4	3.8	
9.0	8.4	29.2	
8.6	11.4	53.1	8.5 Ga
9.3	14.9	11.9	
9.8	21.4	34.8	
9.4	21.9	1.8	
9.5	23.9	33.1	
9.8	24.9	33.8	
9.4	26.9	44.1	
9.8	26.9	20.6	
9.6	28.4	2.9	
9.8	30.4	26.7	
9.4	30.4	28.7	
9.6	32.4	53.5	
9.6	41.9	40.0	
9.8	43.4	24.4	
9.8	44.9	23.7	
9.4	46.4	53.0	
9.8	47.4	35.3	
9.1	51.4	14.4	
	+0 59.9	−2.1	

1681—1740.

mag.	6h–7h. m s	—27° ′	
8.1	58 57.4	19.2	8.5 a
9.6	59 9.4	47.1	
9.3	9.9	7.6	
9.7	23.4	15.0	
9.0	24.9	21.2	
9.4	25.6	0.6	
9.0	31.4	59.0	
9.6	33.4	20.8	
9.8	35.4	34.4	
8.9	40.9	19.2	9.0
9.0	46.4	33.9	
9.0	46.9	16.1	9.0
9.0	48.4	11.7	9.2
9.8	50.4	3.8	
8.9	51.9	13.8	9.0
8.8	53.4	15.8	8.0 a
9.6	53.4	23.0	
9.6	0 13.4	38.9	
9.6	18.9	48.7	
9.7	19.4	32.0	
9.8	20.9	35.9	
9.1	22.4	31.9	
9.2	39.4	5.7	G
8.2	39.9	6.4	8.5 Ga
9.6	47.4	4.4	
9.3	50.4	18.6	
9.6	52.4	26.1	
9.6	53.4	11.1	
9.0	1 12.9	39.8	
9.7	28.9	54.0	
9.6	32.4	59.0	
9.7	33.9	17.7	
9.4	37.9	36.5	
9.4	46.9	33.7	
9.6	48.4	25.2	
9.2	49.4	12.5	9.0 a
9.5	49.4	48.5	
9.6	51.4	31.6	
9.7	55.4	52.7	
9.0	2 12.1	59.8	8.5 =
9.6	16.4	54.6	
9.8	24.4	12.6	
9.8	26.4	52.7	
9.3	41.9	58.4	9.0
8.5	43.4	51.2	8.7 −
9.4	52.3	2.8	
9.0	53.4	43.6	
8.8	56.4	33.3	−
9.7	59.4	36.9	
8.4	3 2.4	33.7	−
9.8	7.4	17.8	
9.8	15.9	30.9	
9.8	19.1	17.2	
9.5	20.4	29.0	
9.6	22.9	8.7	
9.5	24.9	8.8	
9.2	39.4	46.8	9.5
9.2	46.4	45.0	
9.3	48.9	44.2	
8.7	52.4	17.5	8.5 Ga
	+1 0.0	−2.2	

1741—1800.

mag.	7h. m s	—27° ′	
9.8	4 2.4	11.0	
7.5	2.4	57.6	8.2 Ga
8.7	3.4	10.0	9.0
9.3	12.4	4.8	
8.4	13.2	9.8	8.5 a
9.6	14.2	36.1	
9.1	18.2	28.8	
9.8	25.7	42.5	
9.8	35.6	12.2	
9.1	37.2	52.7	
9.8	40.7	5.2	
9.8	41.7	13.4	
8.7	43.2	40.8	8.0 G=
9.8	43.6	29.3	
9.8	48.7	20.8	
9.4	50.7	11.2	9.5
9.6	51.7	2.1	
8.8	58.7	22.1	9.0 a
8.8	59.4	28.1	9.0 a
9.8	59.9	55.5	
9.8	5 10.9	47.6	
7.4	17.9	17.3	6.0 GSb
9.0	18.9	9.6	9.5
9.8	22.4	31.0	
9.0	22.9	29.8	9.5
8.7	27.4	54.7	10.0
9.6	32.9	25.2	
9.8	35.7	9.8	
9.8	40.6	46.0	
9.6	42.7	33.6	
9.8	49.6	19.0	
9.8	51.2	41.1	
9.6	52.7	45.8	
9.5	53.2	52.9	
9.8	56.2	8.8	
9.4	57.7	0.2	
9.8	58.6	50.1	
8.5	6 5.7	33.7	9.0 Ga
9.8	6.2	47.4	
9.6	8.7	56.9	
9.3	15.7	57.3	
9.5	23.2	0.4	
8.3	26.2	31.4	8.0 Ga
9.3	31.7	50.2	
9.8	33.2	48.2	
9.6	37.7	37.0	
9.8	44.7	13.2	
9.7	45.7	11.0	
9.4	47.2	24.3	
9.7	57.7	4.0	
8.7	7 1.7	30.5	9.0
7.2	2.7	7.6	7.0 GSa
9.3	4.3	5.8	9.0
9.8	5.6	39.9	
8.7	5.7	54.1	
8.4	15.7	39.2	9.0 Ga
9.6	18.7	26.6	
9.8	21.6	38.1	
9.0	21.7	22.8	
9.2	21.7	34.2	
	+1 0.1	−2.4	

1801—1860.

mag.	7h. m s	−27° ′	
7·5	7 22·7	15·8	7·0 GSa
9·6	26·7	10·6	
9·2	32·7	7·4	
9·4	37·7	23·7	
9·2	38·2	35·7	9·0 a
8·8	55·2	0·2	
9·0	55·7	46·4	
9·8	8 4·6	36·6	
9·6	5·7	20·5	
9·4	8·2	33·0	
9·8	11·7	1·6	
9·8	21·7	56·1	
9·6	23·7	50·6	
9·4	25·7	27·1	
9·6	31·2	7·9	
6·6	34·1	8·7	6·8 GSa
8·8	35·6	16·6	9·0
9·7	37·6	56·9	
9·8	42·6	40·0	
8·8	45·6	16·4	
8·4	51·6	4·9	8·7 Wa
9·5	52·6	7·8	
9·4	55·6	40·1	
9·3	55·6	32·7	
9·4	9 2·6	8·0	
9·7	10·6	29·4	
9·8	12·6	56·5	
8·6	14·6	30·5	8·0 Ga
7·8	17·6	57·3	8·0 Ga
9·8	21·6	22·0	
9·8	26·8	1·1	
9·4	34·1	19·4	
9·3	36·6	23·0	
9·8	51·6	0·3	
9·8	51·6	49·5	
9·4	54·6	35·9	
9·7	58·6	41·7	
9·7	10 7·6	41·5	
9·8	16·6	10·2	
9·6	26·6	30·0	
9·6	31·6	31·7	
9·0	32·6	12·3	8·5 a
9·8	35·6	52·3	
8·8	45·1	37·0	
9·7	47·6	31·2	
9·6	49·6	11·0	
8·4	51·6	13·6	8·0 Ga
9·7	51·6	36·0	
9·8	52·6	57·0	
9·8	52·6	55·3	
9·7	57·6	9·4	
9·7	11 0·6	48·4	
9·3	2·6	53·0	
9·8	6·1	57·4	
9·1	6·6	36·9	
9·1	9·4	20·2	
9·6	10·4	31·9	
9·6	11·4	28·1	
9·6	15·9	23·9	
8·5	22·4	32·4	9·0 a
25pr.	+ 1 0·2	−2·5	

1861—1920.

mag.	7h. m s	−27° ′	
9·8	11 27·5	1·5	
9·0	30·9	6·3	9·0 G
7·3	34·9	39·6	5·5 GStπ
8·9	36·4	59·2	
9·5	36·4	17·1	
9·0	39·4	4·7	9·0 Ga
9·4	40·4	1·1	9·0
9·6	41·5	19·1	
9·7	44·4	34·9	
8·4	44·4	35·5	9·0 a
9·6	52·4	11·2	G
9·6	53·9	18·0	
9·6	12 1·4	30·9	
9·4	5·9	19·9	
9·0	7·4	49·8	
9·0	11·4	42·7	9·0
9·6	12·4	52·0	
9·6	17·9	44·1	
9·4	21·4	11·3	
9·2	31·4	15·5	
9·4	42·4	57·2	
9·6	46·4	28·5	
8·7	47·4	22·2	G
9·7	51·4	12·2	
9·4	13 0·9	10·0	
9·7	1·4	59·0	
9·8	5·4	36·8	
9·4	5·9	18·7	
9·1	6·9	27·8	
9·0	6·9	27·4	
9·8	11·4	2·5	
9·2	11·4	28·5	
9·5	11·4	16·9	
9·8	17·9	16·9	
9·4	18·4	30·9	
9·5	26·4	13·7	
9·8	31·4	41·6	
9·8	31·4	50·8	
9·2	32·4	15·2	
9·0	35·4	30·8	9·0 −
9·1	35·4	55·7	
9·4	36·4	40·1	
9·0	53·4	40·0	8·5
9·0	56·4	43·6	9·5
9·4	57·4	26·5	
9·4	59·9	12·5	
9·6	14 1·4	32·7	
9·6	4·9	22·3	
9·6	6·9	19·6	
9·0	11·9	14·5	
9·6	12·4	46·0	
9·6	13·4	58·2	
9·8	28·9	15·0	
9·8	31·3	58·5	
9·2	32·4	28·6	G
9·6	33·8	58·3	
9·8	35·4	27·2	
9·8	41·9	48·0	
8·8	42·4	37·8	9·5 −
9·4	42·4	29·7	
	+ 1 0·3	−2·6	

1921—1980.

mag.	7h. m s	−27° ′	
9·5	14 47·4	21·4	
9·6	48·9	41·4	
8·2	52·4	43·4	9·0 =
9·0	53·9	29·3	8·5 Ga
9·7	57·4	16·9	
9·6	15 2·4	31·4	
9·6	5·9	58·5	
9·8	7·4	31·4	
9·4	14·4	34·2	
9·1	14·9	29·2	G
9·2	15·4	21·2	G
9·1	20·4	7·7	
9·6	26·4	23·9	
9·6	31·4	12·3	
9·4	32·4	29·2	
9·0	44·4	55·0	10·0 a
9·7	47·4	33·3	
9·6	48·4	16·2	
9·8	55·3	6·1	
8·5	56·3	55·1	8·5 Wa
9·6	16 0·3	58·3	
9·6	2·3	57·7	
9·6	2·3	51·1	
9·8	2·3	36·0	
9·6	3·8	47·1	
9·8	4·8	18·5	
9·7	10·3	5·1	
9·0	11·3	21·8	
9·4	12·3	38·1	
9·4	12·3	43·1	
9·4	12·8	55·8	
9·7	15·3	40·2	
9·8	20·8	20·2	
9·2	21·8	13·1	
9·7	22·8	38·4	
9·2	22·8	14·7	
9·6	27·3	47·7	
8·2	28·6	57·4	7·8 GWb
9·6	32·3	48·4	
9·8	35·2	24·8	
9·6	35·3	14·4	
9·6	35·3	2·2	
9·1	49·6	24·9	
9·8	50·9	7·8	
9·8	52·3	52·0	
9·8	55·1	59·4	
9·8	17 2·2	6·5	
9·4	7·3	49·0	
9·8	11·1	24·0	
9·8	19·1	4·2	
9·6	21·0	51·4	
9·7	22·5	1·0	
9·3	23·5	40·6	
9·4	29·5	32·8	
9·6	30·4	28·3	
9·8	33·9	59·9	
9·8	34·2	30·8	
8·8	35·0	20·5	
9·4	41·4	59·0	
9·8	43·0	19·0	
	+ 1 0·4	−2·7	

1981—2040.

mag.	7h. m s	−27° ′	
9·6	17 53·0	7·9	
9·0	54·0	33·1	
9·4	57·0	59·0	
9·0	59·5	9·2	
9·8	18 0·0	13·8	
9·1	9·0	13·7	
9·6	9·5	4·1	
9·3	10·0	56·2	
8·5	11·0	24·3	8·5 a
9·6	15·0	39·7	
9·4	16·5	25·2	8·5
9·6	22·0	33·5	
7·7	27·0	35·6	6·0 GSa
9·8	29·0	13·0	
9·6	30·0	6·0	
9·4	57·0	47·0	
9·8	59·7	59·0	
9·4	19 10·0	32·2	
8·9	24·0	24·7	
9·1	24·5	56·2	8·5
8·2	35·0	52·5	8·0 a
9·2	37·0	3·9	
9·8	37·5	19·5	
9·8	38·5	20·1	
9·8	39·0	42·2	
9·4	51·0	32·3	
9·8	52·0	51·7	
9·3	20 0·0	26·8	
9·8	0·0	42·2	
9·0	3·0	8·8	
9·3	4·0	17·8	
9·3	6·0	43·5	
9·8	8·0	40·1	
9·8	10·0	6·0	
9·6	10·8	1·9	
8·8	15·0	23·1	
7·6	15·8	56·6	8·1 Ga
9·8	16·0	3·0	
9·7	16·5	55·0	
9·4	17·0	45·9	
9·6	17·0	5·1	
8·4	18·0	49·2	8·8
9·8	19·5	1·6	
9·5	22·5	19·7	
9·8	30·0	45·1	
9·8	30·0	13·2	
8·8	45·0	53·8	
9·8	50·0	29·5	
9·8	50·0	23·5	
9·8	55·0	51·6	
9·7	21 2·0	40·2	
9·4	7·0	17·5	
9·8	10·5	16·4	
9·7	11·0	6·4	
9·8	13·0	25·1	
9·8	15·0	0·9	
8·3	15·5	54·8	8·4 a
9·8	16·0	5·5	
9·4	19·5	14·9	9·0 a
9·5	19·5	23·9	
	+ 1 0·5	−2·9	

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2041—2100.

mag.	7h. m	s	—27° ′	
9.2	21	23.0	43.1	
9.4		23.0	8.1	
9.8		25.0	16.7	
9.8		26.5	51.7	
9.8		31.5	6.0	
9.8		35.5	30.2	
9.6		35.5	0.2	
9.7		56.0	11.8	
9.4		56.0	17.0	
9.6		59.0	26.7	
9.4		59.5	24.8	
9.8	22	0.5	4.3	
9.8		6.0	56.1	
9.6		9.0	3.8	
9.4		14.0	47.9	
9.6		18.0	49.0	
9.8		19.0	6.4	
9.8		19.5	15.2	
8.7		26.5	8.8	8.8 a
9.8		27.0	32.7	
9.8		37.0	22.8	
8.7		38.5	30.2	
9.7		44.0	41.6	
9.1		53.0	52.3	
9.6		53.0	33.1	
8.8		59.0	6.8	
9.2	23	0.0	55.8	
9.0		0.0	35.4	—
8.8		0.5	4.7	8.0
8.2		9.0	8.7	8.5 Ga
9.8		11.0	59.8	
9.8		11.0	39.9	
9.0		13.5	13.2	
9.3		15.5	18.3	
9.4		16.5	57.2	
9.5		20.5	37.6	
9.3		26.5	57.9	
9.6		28.5	53.3	
9.6		34.0	16.7	
9.8		35.0	33.4	
9.5		40.0	12.7	
8.6		40.0	38.7	8.5 =
9.8		50.0	57.6	
9.7		52.0	25.1	
9.5		52.5	36.5	
9.8	24	11.0	32.1	
9.8		11.0	55.0	
9.8		20.5	25.9	
9.5		22.0	33.5	
9.5		25.5	39.4	
9.8		26.0	28.1	
9.5		33.5	52.2	
9.6		35.0	48.3	
9.3		39.0	3.4	
9.4		45.0	17.4	
9.8		51.5	53.9	
9.5		52.0	50.6	
9.5	25	2.0	23.3	
9.8		6.5	12.7	
9.6		13.0	16.3	
25pr.	+1	0.6	−3.0	

2101—2160.

mag.	7h. m	s	—27° ′	
9.0	25	20.0	29.9	
9.8		25.0	56.9	
9.8		32.0	54.8	
9.8		34.0	59.0	
9.8		36.0	59.1	
9.6		39.5	7.2	
9.8		42.0	47.3	
9.8		43.5	19.4	
7.9		44.5	50.1	7.6 GSa
8.2		44.5	51.6	8.1 GSa
9.1		45.0	42.4	
9.2		51.5	25.7	8.8
9.7		54.5	19.1	
9.8		54.9	8.6	
9.6		59.0	1.2	
9.6	26	7.0	11.2	
9.7		9.0	20.4	
9.8		9.0	50.8	
9.6		9.5	5.4	
9.2		10.0	5.1	
9.0		17.0	8.9	9.0
9.0		20.0	41.2	
9.8		20.0	29.6	
9.8		23.0	0.0	
9.8		27.5	48.0	
9.8		32.0	44.7	
9.7		35.0	45.8	
9.8		35.0	2.2	
9.8		36.9	28.9	
9.7		41.0	30.0	
9.8		45.5	4.3	
8.7		49.5	30.4	9.5
9.8		49.5	55.8	
9.7		51.0	18.3	
9.4		52.0	23.5	
9.4		54.0	51.2	
9.7	27	0.0	5.5	
9.6		9.5	58.8	
8.5		10.0	38.7	8.5 a
9.4		11.5	38.4	
8.9		17.5	38.0	9.2
9.8		19.6	54.0	
8.9		20.0	52.2	
9.3		20.5	38.1	9.5
9.8		21.5	22.4	
9.8		25.5	48.6	
9.8		26.0	6.8	
9.6		27.5	3.9	
9.0		31.0	9.2	
8.8		34.5	41.6	9.0
8.6		35.0	35.6	9.0 a
8.8		35.0	28.4	9.5
9.8		36.0	45.0	
9.5		40.0	58.4	
9.6	28	0.5	22.2	
9.8		6.0	22.0	
9.1		14.0	48.1	
9.3		15.0	32.0	
9.6		19.0	35.2	
9.4		22.0	23.8	
	+1	0.6	−3.1	

2161—2220.

mag.	7h. m	s	—27° ′	
8.7	28	24.0	55.0	9.0 —
9.8		25.0	14.6	
8.2		31.0	42.4	8.5 =
9.4		32.5	29.7	
9.8		34.0	33.9	
9.8		35.0	40.0	
9.4		39.9	2.6	
9.6		40.5	4.0	
9.4		43.6	34.2	
9.8		49.1	59.2	
9.8		50.1	25.0	
9.5		50.6	39.3	
9.4		59.1	30.0	
9.8	29	3.1	55.9	
9.7		5.1	32.8	
9.8		11.1	53.8	
9.6		12.9	2.7	
9.7		13.1	9.2	
9.8		16.1	12.7	
8.7		20.1	58.7	9.5
9.0		26.6	13.6	
9.3		29.6	57.1	9.0
9.4		30.1	11.1	
9.6		34.1	25.9	
9.8		35.6	0.7	
9.3		40.1	46.0	
9.8		42.1	3.6	
9.4		43.1	22.6	
9.7		44.1	56.9	
9.8		45.1	6.9	
9.3		59.1	43.4	
9.7	30	0.6	29.6	
9.4		3.1	6.4	
9.8		3.1	43.0	
9.4		12.1	11.9	
9.5		16.6	16.8	
8.7		17.5	50.3	—
8.9		20.1	12.2	
9.8		24.6	29.6	
9.8		25.1	29.4	
9.4		30.1	16.2	
8.0		30.1	2.6	8.5 a
9.7		35.1	45.6	
9.8		37.1	23.1	
9.2		38.1	58.7	
9.4		40.1	8.1	
9.8		43.6	19.7	
9.8		46.1	25.7	
9.0		47.6	36.8	
9.2		47.6	22.0	
8.8		55.6	38.6	
9.5	31	0.6	52.9	
9.4		1.6	27.6	
8.5		3.6	13.6	8.0 GWa
9.8		4.6	44.3	
9.8		5.1	22.0	
9.8		6.1	29.3	
9.4		13.1	10.8	
9.6		14.6	51.3	
9.7		15.1	23.1	
	+1	0.7	−3.2	

2221—2280.

mag.	7h. m	s	—27° ′	
9.8	31	16.1	53.9	
8.8		22.1	17.9	9.0
9.6		23.1	49.9	
9.2		31.1	4.1	
9.3		31.1	33.9	
9.4		31.1	52.3	
9.0		43.5	1.0	8.3 a
9.2		48.1	28.1	
9.4		48.6	32.5	
9.3		50.1	41.5	
9.4		51.1	17.1	
9.8		55.1	41.9	
9.8		58.1	20.8	
7.6	32	0.1	8.5	7.5 GWa
9.4		3.1	18.5	
9.8		9.6	52.9	
9.8		10.1	23.5	
9.4		13.1	13.3	
9.3		16.1	50.7	
9.0		19.1	48.6	=
8.9		19.1	49.0	
9.6		20.1	5.6	
9.4		25.1	47.8	
8.4		39.8	0.2	8.5 a
9.8		41.3	17.1	
9.8		41.3	31.1	
9.3		47.3	55.7	
9.4		53.3	29.8	
9.4		57.3	8.3	
9.7	33	7.8	47.0	
9.0		11.3	9.3	
9.8		17.3	24.8	
9.0		19.3	35.1	
9.3		19.8	22.9	
9.5		23.8	16.7	
9.8		31.3	7.0	
9.2		35.3	52.9	
9.2		35.8	53.1	10.0
9.6		35.8	17.0	
9.4		39.8	2.8	
9.8		44.8	52.4	
9.6		44.8	20.9	
9.8		46.3	7.4	
9.2		48.8	5.5	
9.6		49.8	5.4	
9.5		51.3	31.3	
9.6		53.8	22.9	
9.6		55.3	35.1	
9.4		55.8	20.2	
9.5		58.8	24.3	
9.4	34	14.8	20.1	
9.3		24.8	0.0	
9.0		29.8	18.6	
9.8		39.8	2.3	
9.4		39.8	0.5	
9.8		43.3	29.1	
9.4		45.8	4.4	
9.6		45.8	38.0	
9.5		46.3	55.5	
9.6		51.3	39.3	
	+1	0.8	−3.3	

2281—2340.

mag.	7h. m	s	—27° ′	
9·4	34	54·3	25·7	
9·7	35	1·3	16·0	
9·4		5·3	22·1	
9·7		22·3	21·4	
9·7		24·8	42·0	
9·6		24·8	58·7	
9·5		25·3	56·5	
8·8		27·3	55·9	7·9 =
9·4		32·8	21·9	
7·1		39·8	39·4	7·0 GWb
9·8		43·3	13·4	
9·4		54·3	35·6	
9·3		59·8	44·1	
9·5	36	8·8	33·7	
9·4		9·8	17·8	
9·8		10·8	0·6	
9·8		19·3	47·6	
9·7		19·8	20·9	
9·8		22·3	14·9	
9·6		24·8	52·5	
9·5		25·8	38·1	
9·7		29·3	55·0	
9·4		30·3	10·3	
9·8		30·3	13·1	
9·8		36·8	17·5	
9·3		38·8	51·9	
9·8		50·8	8·3	
9·6		56·3	31·1	
9·8		58·8	4·6	
9·8	37	0·8	1·2	
9·5		0·8	34·1	
9·4		1·8	40·6	
9·5		1·8	54·5	
9·8		4·7	0·1	
9·4		4·9	42·7	
9·6		5·3	19·1	
9·4		6·8	38·1	
9·8		7·3	43·3	
9·6		14·8	9·5	
8·2		14·8	38·3	Wa
9·8		19·8	10·5	
7·8		21·3	26·2	7·5 Gb
9·5		22·3	29·7	
9·8		29·8	9·6	
9·6		31·3	31·2	
9·8		31·8	17·7	
8·8		34·3	42·6	
9·8		37·8	39·9	
9·4		39·8	50·6	
9·6		39·8	28·0	
9·3		44·8	41·9	
9·3		44·8	8·2	
9·8		48·8	48·7	
9·4		56·3	32·2	
9·6		56·3	44·4	
9·8		58·3	42·9	
7·5		58·8	22·4	Ga
9·8		59·3	54·3	
9·5		59·9	9·2	
9·5	38	2·8	24·8	
25pr.	+ 1	0·9	−3·4	

2341—2400.

mag.	7h. m	s	—27° ′	
9·6	38	5·8	6·3	
9·3		12·8	7·5	
9·6		16·8	24·2	
9·7		18·8	7·4	
9·5		22·3	11·1	
9·0		23·8	8·9	
9·8		24·3	40·7	
9·5		25·1	58·2	
9·4		31·3	54·7	
9·2		31·8	4·3	
9·1		34·8	14·1	
9·8		40·3	12·8	
9·6		40·8	23·0	
9·8		44·2	47·3	
9·5		45·3	39·3	
9·7		46·3	49·1	
9·8		50·8	33·6	
9·7		53·3	18·2	
9·8		58·8	31·7	
9·6	39	4·5	24·3	
9·8		5·5	43·0	
8·7		6·3	25·0	a
9·8		6·8	51·2	
9·8		7·3	30·0	
9·8		8·8	10·5	
9·5		10·3	13·4	
9·8		12·8	4·3	
9·8		13·8	59·7	
9·8		19·0	19·1	
8·6		25·5	45·3	9·5 a
9·8		27·5	58·4	
9·8		29·8	28·9	
9·6		33·2	37·1	
9·8		37·8	13·1	
9·0		39·8	18·3	
9·7		42·0	36·1	
9·3		42·5	24·6	
9·7		42·8	47·3	
9·8		43·5	14·4	
9·4		44·5	3·5	
9·3		47·8	31·7	
9·8		51·2	5·2	
9·3		52·5	28·6	
9·7		52·8	20·6	
9·3		58·8	53·4	
9·6	40	8·7	49·6	
9·8		10·2	11·0	
8·5		12·3	20·3	8·2 Wa
9·4		12·3	8·3	
9·8		14·3	59·5	
9·6		26·7	33·2	
9·0		32·7	43·0	
9·5		34·8	36·4	
9·5		34·8	11·5	
9·2		40·8	49·1	
9·5		41·8	35·1	
9·7		45·0	44·0	
9·8		46·8	37·4	
9·2		47·8	38·1	8·5 a
9·8		51·3	32·1	
	+ 1	1·0	− 3·5	

2401—2460.

mag.	7h. m	s	—27° ′	
9·7	40	51·8	3·9	
8·5		52·3	54·4	9·0 –
8·8		55·8	28·7	9·0
9·9		59·3	12·0	
9·6	41	5·8	27·9	
9·4		6·3	25·2	
8·8		7·8	17·0	W
8·6		21·4	0·3	a
9·9		24·8	49·1	
9·9		30·3	10·2	
9·2		30·8	41·6	
9·4		32·8	27·8	
9·5		32·8	54·3	
9·5		39·8	12·5	
9·9		42·8	3·8	
9·9		46·7	13·0	
9·7		49·8	15·8	
9·5		50·3	19·8	
9·9		52·8	7·1	
9·0		59·8	36·2	
9·9	42	4·8	54·6	
9·9		9·3	54·4	
9·8		9·5	25·8	
9·5		19·5	11·8	
9·8		20·0	7·4	
9·8		23·0	29·4	
9·6		29·0	39·4	
9·8		31·0	3·5	
9·1		31·5	33·5	a
9·8		35·0	21·1	
8·6		41·5	18·7	9·0 Wa
8·9	43	0·0	12·6	9·0 a
9·0		4·0	30·9	
9·5		5·0	12·1	9·5
9·7		6·0	41·6	
9·9		10·0	32·2	
9·6		13·5	59·6	
9·2		20·0	33·4	
9·7		23·5	53·7	
9·3		25·0	46·8	
9·9		25·0	48·8	
9·2		25·0	11·4	
9·4		29·7	59·5	
9·4		30·0	20·4	
9·5		35·0	18·0	
8·7		43·0	6·2	9·0 a
9·2		44·0	38·6	
9·4		49·5	27·7	
9·9		55·0	23·0	
9·2		56·0	39·0	
9·7	44	5·0	55·6	
9·8		7·5	42·8	
8·8		8·5	32·0	9·0 Ga
9·9		15·0	4·5	
9·8		15·0	58·8	
9·2		16·0	41·4	
8·6		23·5	31·2	8·5 Ga
9·8		27·1	56·0	
9·5		27·5	11·3	
9·9		30·5	0·5	
	+ 1	1·1	− 3·6	

2461—2520.

mag.	7h. m	s	—27° ′	
9·6	44	32·6	7·5	
9·8		33·6	46·1	
9·9		34·1	14·8	
9·2		40·6	56·1	10·0
9·2		41·6	56·1	9·5 –
9·9		42·1	53·4	
9·5		42·6	58·3	
9·7		45·1	14·6	
9·4		45·6	51·0	
9·8		46·1	32·0	
9·0		50·1	19·8	
8·8		54·6	31·9	9·0 a
9·8		54·6	24·3	
9·9		55·1	12·3	
9·7		59·1	44·4	
9·6	45	0·1	28·0	
9·8		0·1	47·2	
9·7		7·6	29·1	
9·5		8·1	17·4	
9·9		13·1	50·3	
8·8		14·6	39·3	8·0 Ga
9·2		20·1	12·7	
9·8		21·1	6·3	
9·9		22·6	38·7	
9·9		30·1	6·5	
8·8		30·1	58·7	9·4
9·2		31·4	2·2	
9·4		31·6	54·1	
9·2		36·1	24·7	
9·7		41·6	28·0	
9·1		42·1	14·2	
9·9		47·6	10·3	
9·0		48·1	14·8	
9·6		48·6	18·9	
9·9		50·1	54·2	
9·5		54·1	11·4	
9·2		55·6	24·7	
9·9		57·3	58·9	
9·4	46	20·2	55·0	9·2
9·4		23·7	41·7	
9·5		27·7	0·3	
9·5		34·0	58·8	
8·8		38·4	2·8	8·5 a
9·9		41·7	57·4	
9·5		45·2	31·8	
9·6		55·2	28·6	
9·9		56·2	56·0	
9·4		58·2	20·8	
9·0		59·0	59·0	9·0
9·3		59·2	0·3	
9·1	47	0·2	20·6	
9·7		5·2	36·2	
9·6		6·2	26·4	
9·5		12·7	42·8	
9·4		12·7	35·1	
9·5		17·7	13·7	
9·6		20·2	18·2	
9·7		24·7	26·8	
9·9		24·7	42·0	
9·9		25·5	59·9	
	+ 1	1·2	−3·7	

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2521—2580.

mag.	7h. m s	−27° ′	
9·4	47 26·2	9·5	
9·0	37·7	39·9	
9·6	38·2	7·5	
9·6	39·2	17·1	
9·5	43·7	6·4	
9·9	43·7	35·3	
9·6	44·2	46·0	
9·7	46·2	10·0	
9·4	50·2	52·4	9·0 a
9·7	54·2	24·1	–
9·4	59·8	46·7	
9·0	48 0·3	51·0	9·5
9·1	1·8	40·1	
9·6	4·8	57·2	
9·5	7·8	24·7	
9·0	9·9	19·3	
8·9	12·8	37·6	
9·5	16·8	49·2	
9·9	19·9	58·7	
9·9	20·3	56·3	
9·0	30·3	8·2	8·5 G
9·9	31·3	31·8	
9·9	31·4	7·1	Ga
9·9	32·8	32·9	
9·5	32·8	9·9	
9·0	37·3	41·9	8·5 a
9·0	38·3	39·3	8·5 Ga
9·1	39·3	0·5	
9·9	44·3	38·3	
9·6	48·3	43·2	
9·9	50·3	40·7	
9·9	49 9·3	18·1	
9·8	15·3	34·5	
7·5	20·3	46·7	7·5 GWa
9·8	20·3	46·1	
9·9	21·3	0·2	
9·7	22·3	38·9	
9·7	25·8	37·7	
9·9	30·3	49·9	
8·8	36·3	28·5	9·5
8·4	37·8	25·2	8·5 a
9·5	38·3	4·4	
9·5	40·3	4·9	
9·9	40·3	32·3	
9·7	41·3	54·5	
9·2	41·3	57·1	8·5 a
9·8	43·3	44·1	
9·5	45·3	24·9	
9·4	45·8	43·0	
9·2	46·3	58·0	8·6 a
9·9	49·3	34·3	
9·7	49·5	17·0	
9·9	51·3	38·5	
9·5	53·8	49·1	
9·9	54·8	49·0	
9·7	56·8	53·9	
9·7	58·8	8·3	
9·4	50 10·3	24·6	
9·5	10·3	8·2	
9·6	10·8	21·1	
25pr.	+ 1 1·4	−3·8	

2581—2640.

mag.	7h. m s	−27° ′	
9·9	50 13·3	27·9	
9·9	15·3	1·3	
7·7	16·3	57·4	7·9 Ga
9·0	20·3	7·8	
9·6	22·3	33·8	
9·4	25·3	14·5	
9·5	25·3	20·4	
9·2	26·3	4·5	
9·5	27·3	37·1	
9·6	28·9	59·2	
9·4	29·3	15·5	
9·5	29·3	35·7	
9·6	31·8	31·0	
9·7	32·8	34·0	
9·8	37·3	3·5	
9·6	44·3	49·2	
9·9	47·3	38·3	
8·9	55·8	35·7	
9·5	56·8	53·2	
9·5	51 0·3	41·2	
9·2	1·8	33·8	
8·0	8·3	51·0	8·0 Ga
9·8	10·8	29·3	
8·8	12·4	57·4	9·0 a
9·5	16·8	51·0	
9·9	20·3	40·8	
9·6	20·8	48·2	
9·9	21·8	40·0	
9·5	22·3	17·2	
9·5	25·3	44·4	
9·4	25·3	16·9	
9·1	28·8	11·3	
8·8	31·3	52·5	9·4 a
9·0	31·3	36·2	
9·1	32·3	8·8	
9·5	34·8	16·3	
9·7	42·8	36·4	
9·2	47·3	13·9	
9·2	49·8	13·2	
9·9	50·3	36·6	
9·4	51·8	55·5	9·3
9·9	53·0	6·2	
9·7	53·8	49·7	
9·8	52 6·6	2·4	
9·7	9·8	12·1	
9·4	10·8	6·8	
9·9	17·3	7·5	
9·7	17·3	15·0	
9·9	20·3	37·3	
9·2	20·9	31·9	
9·9	21·9	46·2	
9·9	24·4	36·2	
9·6	25·4	49·0	
9·3	26·9	9·7	
9·7	29·4	16·0	
9·6	33·9	25·5	
9·2	34·4	14·0	
9·9	38·4	53·2	
9·5	39·9	33·2	
9·5	41·4	52·8	
	+ 1 1·4	−3·9	

2641—2700.

mag.	7h. m s	−27° ′	
9·7	52 47·9	12·9	
9·7	50·4	23·4	
8·5	51·4	29·9	8·5 Wa
9·5	52·9	53·7	9·5
9·8	52·9	22·1	
9·8	53 0·4	31·7	
9·7	0·4	22·4	
9·7	0·9	29·8	
9·9	5·4	17·2	
9·9	6·9	14·8	
9·6	7·9	50·1	
9·8	15·4	17·0	
9·6	21·4	50·1	
9·0	26·4	32·5	9·0
8·6	30·4	14·2	8·0 GWa
9·2	37·4	6·9	8·7 a
9·6	42·9	2·9	
8·7	45·9	34·0	8·0 GWa
9·4	51·9	56·0	
9·5	54 1·4	20·7	
9·6	7·4	33·6	
9·6	9·0	58·4	
9·0	10·5	15·4	
9·9	10·5	14·1	
9·7	20·5	30·0	
9·2	27·5	56·0	9·5
9·2	27·5	24·4	
9·9	30·5	39·0	
9·9	33·3	58·2	
9·8	35·5	21·0	
9·0	39·5	45·9	8·5 =
9·2	40·0	53·9	
9·9	41·0	36·2	
9·9	51·0	4·3	
9·7	52·3	59·0	
9·4	56·6	57·1	
9·0	57·5	26·1	
9·7	55 2·5	16·5	
9·7	3·0	46·6	
9·9	6·5	48·0	
9·7	10·0	28·8	
9·5	16·0	5·2	
9·7	30·5	13·8	
9·7	38·5	39·2	
9·7	47·5	57·3	
9·8	50·5	26·8	
9·2	54·1	57·1	
9·7	59·0	38·6	
9·8	56 0·5	29·0	
9·3	0·5	10·0	
9·0	5·5	32·3	9·0 –
9·5	6·5	7·2	
9·9	7·5	59·5	
9·6	9·5	44·4	
9·9	15·5	35·4	
9·8	19·5	53·7	
9·7	20·0	6·0	
9·0	20·5	22·9	9·0 G
9·7	21·0	4·8	
9·7	22·5	22·2	
	+ 1 1·6	−4·0	

2701—2760.

mag.	7h. m s	−27° ′	
8·8	56 24·5	20·4	8·5 Ga
9·4	24·5	46·1	
9·0	25·0	46·6	9·5
9·8	28·5	58·4	
9·7	30·5	40·6	
8·4	31·5	19·8	8·5 a
9·2	34·5	8·1	
9·5	39·0	50·0	
9·5	40·5	16·6	
9·2	44·0	34·4	
9·7	44·5	8·9	
9·5	45·5	28·2	G
9·8	48·0	13·6	
9·9	54·0	0·7	
9·9	55·5	1·2	
9·6	57·5	13·8	
9·7	57 4·0	34·2	
9·9	11·5	26·4	
9·6	11·7	59·9	
9·8	14·5	46·2	
9·9	15·0	57·2	
9·1	16·5	19·3	
8·8	17·5	56·6	9·0 =
9·4	18·7	57·6	
9·9	25·5	28·8	
9·4	26·0	28·2	
8·0	28·0	11·8	7·5 GSa
8·8	32·5	11·4	9·0
9·5	37·5	29·2	
9·2	39·5	20·1	
9·4	41·0	13·9	
9·4	43·5	46·9	
9·9	44·2	58·4	
9·5	44·5	38·3	
9·6	49·0	27·7	
9·6	55·5	30·1	
9·0	57·5	5·7	9·0
9·8	58 0·5	22·2	
9·4	1·5	22·9	
9·5	6·0	25·1	
9·2	12·5	37·0	
9·9	13·5	17·2	
9·2	19·0	12·5	
9·2	24·0	30·2	
9·5	26·5	46·4	
9·4	27·0	33·7	
9·6	31·0	55·0	
9·5	33·5	1·2	
9·6	36·0	31·1	
9·9	40·5	24·8	
9·9	46·5	51·8	
9·9	47·5	57·8	
9·4	50·5	41·0	
9·9	54·5	39·1	
9·3	55·5	45·7	
9·5	57·6	45·4	
9·0	59·6	8·0	9·0
9·5	59 0·6	7·8	
9·8	0·6	5·1	
9·9	3·6	5·4	
	+ 1 1·6	−4·1	

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2761—2820.

mag.	7h.–8h. m	s	−27° ′	
9·9	59	5·6	49·2	
9·2		10·6	30·9	9·0 b
9·5		11·1	48·6	
9·7		11·1	17·2	
9·9		11·6	45·6	
9·9		12·6	6·6	
9·9		13·6	6·2	
9·9		16·1	53·0	
9·2		16·1	24·6	
9·3		18·1	50·2	
9·4		19·1	35·0	
9·2		25·1	26·0	
9·9		30·6	51·9	
9·8		31·1	24·0	
9·4		33·1	30·9	
9·2		40·1	46·6	
9·0		40·6	43·6	a
9·7		42·6	25·8	
9·2		44·1	50·4	
9·0		44·6	49·7	
9·4		44·6	48·2	
9·0		45·1	18·2	
9·8		47·1	45·2	
9·5		48·6	10·3	
9·4		48·6	16·5	
9·2		50·6	47·5	
9·8		51·9	1·8	
9·0		54·6	17·9	a
9·9		54·6	46·5	
9·0		56 1	50·0	
9·6		57·1	38·4	
8·9		57·1	43·6	a
9·8		57·1	56·1	
9·9	0	0·6	47·9	
9·3		1·1	35·5	
9·7		2·1	53·6	
9·0		2·1	19·6	
9·7		3·6	51·3	
9·4		4·1	3·7	
9·0		4·6	46·4	9·5
9·8		5·6	40·0	
9·9		10·1	55·7	
9·7		13·6	43·9	
9·9		15·6	11·7	
8·7		19·6	42·0	9·0 a
8·9		20·6	14·6	a
9·9		20·6	56·3	
9·2		21·1	26·4	
9·9		22·1	55·0	
9·7		22·1	47·7	
9·9		22·1	37·5	
9·2		24·1	18·9	
9·9		24·6	57·0	
9·2		26·1	47·7	
9·0		27·1	31·3	
9·8		28·6	42·2	
9·5		29·1	55·7	
8·8		30·6	5·2	9·0 a
9·9		33·6	52·6	
9·9		34·6	40·1	
25pr.	+1	1·7	−4·2	

2821—2880.

mag.	8h. m	s	−27° ′	
9·7	0	39·1	35·9	
9·4		40·6	44·0	
9·5		40·6	35·2	
9·6		41·6	52·2	
9·7		43·6	55·8	
9·2		44·6	6·7	
9·9		44·6	14·9	
9·5		45·6	36·2	
9·8		46·6	27·5	
9·5		47·1	50·6	
9·5		49·6	54·3	
9·9		52·1	25·3	
9·4		53·1	56·2	9·5
9·6		55·6	11·4	
8·5	1	0·6	53·0	8·2 Ga
9·0		9·1	43·3	
9·7		9·6	23·5	
9·3		9·7	21·5	
9·3		11·6	15·7	
9·9		11·6	5·5	
9·8		13·6	5·3	
9·7		15·6	49·0	
9·5		16·1	24·7	
9·5		17·4	0·4	
9·7		23·1	14·7	
9·4		23·6	35·9	
9·9		24·6	45·7	
9·2		29·1	39·3	
9·9		29·6	46·7	
9·9		32·2	43·0	
9·2		33·2	32·9	
8·9		34·2	29·2	9·5
9·9		36·0	39·7	
9·7		38·6	15·9	
9·7		40·2	45·7	
9·3		42·7	54·1	
9·9		49·1	3·5	
9·5		51·2	35·8	
9·3		53·9	57·0	9·0 a
9·7		57·4	59·0	
9·9	2	3·6	49·3	
9·9		6·6	32·6	
10·2		9·0	5·7	
9·2		16·3	19·2	
10·2		16·7	14·7	
10·2		16·8	45·0	
9·8		23·2	14·4	
10·2		25·5	1·6	
9·0		35·2	57·7	8·2 a
9·8		36·3	42·3	
10·2		39·3	6·1	
9·5		39·8	27·7	9·0
9·8		43·8	4·0	
10·2		44·8	52·9	
10·0		44·8	40·2	
9·0		49·8	44·6	
10·2		51·8	31·9	
10·2		54·8	43·3	
9·3	3	1·8	1·3	
10·2		5·3	13·0	
	+1	1·8	−4·2	

2881—2940.

mag.	8h. m	s	−27° ′	
10·2	3	9·3	17·9	
10·2		9·8	49·9	
10·0		10·3	41·0	
10·0		14·8	13·4	
9·9		14·8	20·7	
9·5		17·3	19·0	
9·9		19·8	36·1	
9·8		25·3	46·3	
10·0		25·8	52·8	
10·2		30·8	7·5	
10·2		31·3	15·2	
10·2		40·8	35·5	
9·7		44·8	13·5	
9·6		46·3	18·9	
9·8		49·3	14·2	
9·1		49·8	4·4	
9·7		50·8	18·7	
10·2		51·3	46·0	
9·6		54·8	20·6	
10·2		59·8	6·5	
9·0	4	2·8	50·0	
10·2		19·3	46·6	
8·6		20·8	5·1	8·0 a
9·7		23·3	43·4	
9·8		26·8	55·7	9·8
10·0		29·2	51·1	
8·6		29·8	4·3	9·0 a
9·8		29·9	58·6	
9·8		34·3	23·9	
9·9		36·3	34·4	
9·7		39·3	19·6	
9·6		50·8	11·1	
9·0		53·2	2·9	9·0 a
9·8		54·8	28·4	
10·2		55·3	34·5	
9·1		59·3	27·0	
10·2		59·8	13·9	
9·8	5	2·8	47·2	
9·0		13·8	24·1	8·5
10·0		15·3	47·2	
10·0		20·8	56·2	
10·2		22·3	7·3	
10·2		29·3	28·5	
9·9		33·3	37·1	
10·2		35·8	44·2	
8·6		36·8	29·5	9·0
10·0		59·8	22·4	
9·8	6	0·8	14·3	
9·5		9·8	15·0	
9·5		20·8	6·3	
9·3		24·8	58·0	
9·5		29·8	7·3	9·0
9·6		29·8	52·4	
10·0		34·8	41·9	
9·6		34·8	20·5	
9·5		36·3	25·1	
8·4		39·8	9·1	8·0 Ga
10·2		44·8	4·1	
10·2		46·8	56·2	
9·0		49·8	55·9	
	+1	1·9	−4·3	

2941—3000.

mag.	8h. m	s	−27° ′	
10·2	6	55·8	23·9	
10·2		59·8	38·2	
10·2	7	0·8	24·5	
10·2		1·3	54·2	
9·3		5·8	3·4	
8·9		8·3	55·0	9·2 a
10·2		8·3	54·4	
9·0		9·1	30·3	
10·0		13·6	26·5	
10·2		18·1	45·9	
9·3		20·1	21·8	
10·2		24·6	42·9	
9·3		25·1	41·9	
9·5		30·1	28·2	
10·2		33·6	48·8	
9·5		43·6	19·7	
9·0		48·6	35·0	
9·8		50·1	42·3	
8·8		56·6	20·6	
9·5	8	0·1	32·2	
9·2		1·1	8·9	9·0 G
10·2		3·6	43·9	
8·3		4·1	27·9	8·0 –
9·0		4·1	21·4	
10·0		9·6	31·2	
10·0		12·6	10·4	
10·0		20·1	41·3	
10·2		30·1	11·6	
9·7		32·1	13·1	
9·0		33·6	9·1	8·0 G–
9·5		37·6	29·8	
9·1		50·1	20·4	
8·7		51·1	22·1	9·0
9·9		54·6	47·1	
9·8		55·1	56·8	
10·0		58·6	31·1	
9·0	9	0·1	40·0	
9·1		5·1	12·9	
10·2		20·1	36·0	
8·8		20·3	2·4	8·5 GW–
9·1		21·6	38·8	
8·4		22·6	22·9	8·5
9·3		25·6	54·4	
10·2		28·1	34·6	
9·3		31·6	36·2	
9·2		32·6	32·9	
9·0		34·1	6·2	9·5
9·4		35·1	31·2	
9·8		41·1	54·4	
9·6		41·1	39·9	
9·9		44·6	58·2	
9·8		44·6	13·3	
9·5		48·6	50·4	
9·4		55·6	38·8	
9·6		56·1	32·3	
10·2		57·1	14·8	
10·2		57·6	13·6	
10·2		59·6	6·8	
10·0		59·6	56·1	
10·2		59·6	43·2	
	+1	2·1	−4·5	

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3001—3060.

mag.	8h. m	s	−27° ′	
9.1	10	0.1	4.2	
10.2		0.4	30.6	
8.8		5.6	50.6	
9.3		7.1	50.3	
10.2		10.1	6.7	
10.2		10.6	26.3	
10.2		14.6	55.8	
8.6		15.1	15.4	8.8 –
9.8		20.1	13.4	
10.2		24.6	43.9	
10.0		25.1	28.7	
8.8		25.1	19.7	9.2
10.0		34.1	9.1	
9.6		35.1	38.0	
10.0		41.1	14.7	
10.2		45.1	45.7	
10.0		45.1	59.0	
10.2		49.6	14.7	
9.3		53.6	36.1	
10.2		55.1	52.0	
10.2		55.6	8.8	
10.0		56.4	22.1	
9.3		57.1	3.2	
10.2		59.1	9.8	
10.0	11	1.1	23.7	
10.2		10.1	4.5	
9.3		11.1	16.5	
10.2		14.1	20.1	
10.0		14.6	15.0	
10.0		20.0	7.1	
9.3		21.0	42.5	
9.2		21.0	27.2	9.5
9.8		24.0	19.9	
10.2		24.0	5.1	
9.3		25.0	4.6	
8.7		34.0	28.7	8.5 G–
9.8		42.2	1.0	
9.6		43.0	14.2	
9.2		43.5	27.9	
8.4		53.0	9.8	
9.8		55.0	7.5	
10.2		56.5	5.5	
9.3		57.0	4.7	
9.9	12	4.5	39.3	
10.0		4.5	12.9	
10.2		15.0	18.5	
10.0		15.0	14.4	
10.0		19.0	25.8	
10.0		25.0	39.9	
9.6		31.0	18.1	
9.2		39.5	47.7	9.0
10.2		40.0	7.2	
9.7		40.0	30.7	
10.0		41.0	51.2	
9.4		48.5	11.4	8.5
9.3		50.0	12.1	8.5
9.5		50.0	19.5	
9.5	13	5.0	12.4	
9.6		6.0	3.1	
9.9		6.5	16.1	
25pr.	+1	2.1	−4.5	

3061—3120.

mag.	8h. m	s	−27° ′	
9.2	13	10.0	17.7	
10.0		15.0	12.2	
9.8		15.5	57.0	
10.2		16.5	47.9	
9.7		21.5	0.2	
9.7		21.5	47.6	
9.8		22.5	47.2	
8.5		29.5	7.4	8.5 G
9.8		30.0	13.9	
9.8		51.0	31.2	
9.3	14	4.0	27.3	
10.2		13.5	33.5	
9.0		15.5	9.8	
9.6		19.0	24.5	
8.5		31.0	58.2	9.0 G–
9.6		34.7	2.0	
9.1		35.0	56.3	9.5
9.1		35.0	47.6	
9.8		35.5	5.1	
9.7		45.7	56.8	
10.2		45.7	0.0	
9.8		49.5	44.9	
10.2		50.4	4.9	
10.2		50.4	7.0	
9.4		56.0	4.3	
9.7		56.5	16.1	
8.6		57.5	45.3	
9.7	15	0.0	38.3	
9.0		0.2	1.6	
9.5		4.5	41.5	
9.4		7.0	32.6	
9.9		20.0	13.4	
8.8		22.0	59.6	9.5 –
10.2		29.0	18.9	
9.0		37.5	14.6	–
9.0		40.0	28.7	
9.6		40.3	21.2	
9.3		42.8	17.1	
10.0		50.3	42.1	
10.2		50.3	10.0	
9.2		54.3	37.0	
10.2		55.3	5.9	
9.8	16	5.8	1.0	
9.5		9.8	8.9	
9.5		10.3	2.7	
10.0		10.8	47.4	
9.1		14.8	16.4	
9.0		20.3	5.7	9.5
10.2		21.8	29.6	
10.2		22.8	3.4	
10.2		25.3	52.8	
10.2		26.3	29.5	
9.7		27.8	4.6	
9.1		31.3	0.2	
8.9		32.8	26.2	
10.2		34.3	30.8	
9.3		35.3	4.3	
10.2		48.8	35.1	
9.9		50.3	49.0	
10.2		51.8	19.3	
	+1	2.3	−4.6	

3121—3180.

mag.	8h. m	s	−27° ′	
10.2	16	53.3	40.8	
9.7	17	12.3	13.4	
10.2		13.3	42.9	
9.8		15.8	16.3	
10.2		18.8	48.9	
10.2		23.3	20.7	
8.9		24.3	36.4	
9.9		25.1	57.9	
9.8		27.3	11.8	
9.0		31.8	34.4	
9.6		40.3	34.6	
9.7		42.5	19.5	
9.9		51.0	45.7	
9.8		52.5	20.4	
9.3		53.5	12.1	
9.4		56.5	49.4	
10.2		56.5	34.0	
9.8	18	0.0	33.4	
9.2		0.5	53.5	
9.7		12.5	13.3	
9.2		13.0	1.6	9.0
9.5		14.0	42.5	
10.0		15.0	39.9	
10.2		15.5	35.7	
9.7		16.5	34.8	
8.2		20.5	25.1	7.5 GSbt
9.6		21.0	8.5	
10.2		24.5	7.7	
8.8		24.5	15.1	
10.2		27.5	0.1	
10.2		29.5	3.4	
9.3		30.5	7.3	
10.2		35.5	8.7	
9.4		45.5	51.4	9.0 –
10.2		58.0	13.0	
9.8	19	1.0	39.1	
9.8		3.0	4.8	
10.0		3.5	39.6	
9.7		10.5	52.2	
9.6		10.5	54.8	
10.2		10.5	16.3	
9.5		14.5	51.4	
8.8		16.5	13.9	9.0
8.9		21.5	25.9	W
9.7		21.8	1.3	
9.9		25.5	42.2	
10.2		25.5	4.0	
10.2		30.0	27.7	
9.1		34.5	39.3	
9.8		35.5	10.9	
9.6		35.5	23.3	
9.4		40.5	5.8	
10.2		41.4	8.0	
9.8		46.4	57.0	
10.2		47.4	39.8	
9.7		55.4	24.2	
10.2		59.9	38.2	
9.8	20	1.4	22.2	
10.2		4.9	34.1	
10.0		5.4	42.3	
	+1	2.5	−4.7	

3181—3240.

mag.	8h. m	s	−27° ′	
8.9	20	8.9	36.6	–
9.8		17.9	36.2	
9.3		20.4	48.7	
9.7		20.6	59.4	
10.0		20.9	18.0	
10.2		27.9	53.0	
9.2		39.4	38.3	
10.0		45.4	38.9	
9.7		52.4	10.4	
10.0		55.9	37.1	
9.6	21	5.4	5.0	
9.9		15.4	16.3	
8.9		18.9	25.9	9.5
10.2		20.4	44.4	
10.2		25.4	46.8	
10.2		27.9	44.4	
10.2		28.9	54.7	
9.6		31.4	25.5	9.5
10.2		45.4	49.0	
10.0		50.4	9.4	
9.0		50.4	16.5	
8.8		50.4	53.5	=
9.8		50.4	47.9	
10.0		50.6	9.3	
9.2		51.9	47.4	
9.8		56.0	59.0	
10.2		56.1	28.8	
9.9	22	3.6	34.7	
10.2		8.6	18.6	
8.8		13.6	15.7	9.0 a
8.6		15.6	52.4	≡
9.8		20.1	27.5	
8.7		21.1	2.2	8.5 a
9.2		21.6	42.6	
9.4		28.6	8.4	
9.3		36.9	0.9	
9.6		44.6	16.1	
9.8		47.1	49.1	
9.9		48.1	9.5	
9.4		51.6	20.5	
9.7		55.1	45.1	
7.8		58.6	9.1	7.8 GWa
9.6	23	0.1	6.5	
9.5		10.1	30.9	
10.0		16.2	29.9	
8.7		19.6	56.8	9.2
9.8		24.1	25.7	
9.8		25.1	9.5	
9.8		26.3	10.1	
9.2		27.5	30.4	
9.9		33.1	13.0	
10.2		35.6	28.1	
9.4		36.6	4.2	9.0
10.2		40.1	15.3	
9.7		40.1	49.3	
9.5		42.1	33.5	
10.0		47.5	56.8	
10.2		57.1	30.8	
9.5		58.6	4.8	
9.9		59.4	5.2	
	+1	2.7	−4.9	

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3241—3300.

	8h.		—27°	
mag.	m	s	′	
8·6	23	59·6	21·4	9·0 Ga
8·6		59·9	22·7	8·5 a
9·8	24	4·9	41·7	
10·0		11·4	12·6	
10·2		15·4	47·2	—
10·0		18·9	10·1	
10·0		25·4	20·7	
9·9		35·4	29·0	
9·6		38·4	39·2	
9·2		39·6	31·1	
10·2		40·2	19·8	
9·6		40·9	5·7	
9·3		41·1	53·2	
10·2		44·9	28·9	
10·0		49·9	37·2	
9·2	25	4·4	33·4	
9·6		4·7	56·5	
9·2		8·4	23·4	
8·4		22·9	24·8	8·0 Ga
8·9		32·4	3·2	
9·2		35·9	33·9	
9·4		43·4	41·0	
9·0		55·4	13·9	
9·4	26	19·9	27·2	
10·0		21·4	47·2	
9·4		23·9	20·4	
10·0		24·9	0·9	
9·9		29·4	44·9	
10·0		29·9	55·5	
8·8		31·4	1·1	9·0
8·4		31·9	30·2	
9·7		45·9	52·9	
9·4		49·4	50·8	
8·2		49·9	4·2	8·5 —
9·7		51·4	54·3	
10·0		59·9	43·2	
8·8	27	1·4	4·3	9·5
8·6		13·9	0·7	9·0
9·3		18·9	15·6	
9·6		39·4	55·8	
9·7		39·4	10·1	
9·4		49·9	30·5	
9·8		51·9	26·2	
9·4		52·4	34·0	
9·9		58·4	44·1	
10·0	28	3·4	13·3	
9·3		8·4	38·8	
9·4		24·9	23·4	9·0
8·6		29·9	42·5	9·0 —
9·2		46·4	7·0	
9·8	29	2·4	31·8	
9·3		3·4	38·8	9·0
9·9		3·9	16·6	
8·8		4·9	37·4	8·5 —
9·2		12·4	3·0	
9·3		20·4	4·4	
9·4		21·9	14·0	
10·0		24·9	40·8	
9·4		26·1	0·2	
9·2		37·4	39·0	
25pr.	+1	2·9	—5·0	

3301—3360.

	8h.		—27°	
mag.	m	s	′	
10·0	29	47·9	26·2	
9·2		47·9	34·0	8·5 —
9·0		58·9	26·4	9·0
9·0	30	2·4	23·2	9·0
9·4		8·4	7·0	
10·0		14·9	26·3	
9·4		26·4	40·0	
9·0		30·4	31·8	9·0
8·6		39·9	29·9	9·0
10·0		41·9	6·6	
10·0		49·9	19·7	
9·9		49·9	31·8	
9·8	31	1·9	3·1	
9·7		3·4	18·9	
9·8		5·4	54·8	
8·7		9·9	38·9	8·0 G=
8·7		11·1	17·4	9·0
9·6		12·1	10·1	
8·9		14·1	41·8	9·0
9·2		22·1	22·2	
9·3		39·6	40·6	
9·4		48·1	32·3	
8·2	32	16·6	44·4	8·0 Ga
8·9		41·6	39·1	9·5
9·6		43·6	48·2	—
9·2		43·6	13·0	
9·2		56·1	4·4	
10·0	33	10·1	19·8	
8·9		11·1	55·8	9·2
8·9		14·1	46·9	8·9 a
10·0		17·9	58·7	
9·6		46·5	42·4	
9·2	34	2·0	9·8	
8·2		9·4	56·3	8·0 Ga
9·9		14·0	54·2	
8·4		19·0	6·0	8·8 G—
9·4		19·0	55·2	9·5
9·2		20·0	37·0	
9·2		24·7	58·0	9·0 a
9·3		26·5	3·0	
8·1		57·7	58·4	8·5 Ga
9·8	35	6·0	2·2	
8·8		8·5	26·7	—
9·4		29·0	18·2	
9·9		34·0	17·6	
9·7		34·4	59·2	
10·0		37·0	31·3	
10·0		38·7	58·0	
8·2		44·0	31·8	—
9·3		44·0	6·6	9·5
9·2		56·5	7·0	9·0 a
9·8		58·0	52·9	
9·4	36	8·5	17·1	
8·9		11·0	42·5	
9·9		12·3	33·2	
9·9		18·5	21·4	
8·9		24·0	36·8	
9·0		25·5	18·1	—
9·4		29·0	17·5	
8·5		36·5	45·5	—
	+1	3·1	—5·2	

3361—3420.

	8h.		—27°	
mag.	m	s	′	
9·2	36	40·5	49·4	
9·4		46·5	15·4	
8·7		49·0	41·1	
10·0	37	14·0	55·3	
9·3		28·0	38·8	
9·3		34·5	19·9	
9·6		45·5	23·2	
9·0		54·0	7·9	
9·4		59·0	4·6	
9·9	38	4·0	42·9	
9·6		5·0	16·2	
8·2		8·5	21·2	G≡
10·0		14·5	46·3	
10·0		14·5	47·9	
9·0		31·5	19·8	
10·0		39·5	52·4	
9·1		44·0	13·1	
9·3		48·5	16·7	
10·0		49·0	26·1	
10·0		49·0	29·1	
8·9		52·5	52·5	G
8·8		54·0	44·5	a
9·8		59·5	54·5	
9·7	39	4·0	33·6	
9·4		9·0	17·0	
9·3		13·3	0·0	
10·0		13·5	2·5	
9·6		19·5	45·6	
9·4		23·5	33·2	
9·3		28·0	8·9	
10·0		32·5	54·2	
8·9		41·0	37·2	
10·0		48·5	3·3	
9·9		48·5	7·8	
9·8		49·5	23·1	
9·2		52·5	13·8	—
9·3		56·0	46·5	
9·1	40	2·5	7·0	9·0 Wa
9·8		21·0	51·2	
8·4		31·5	24·1	8·0 Ga
9·6		36·5	27·0	
9·9		49·0	55·0	
9·9		54·5	15·2	
10·0	41	1·5	31·4	
9·0		2·0	15·0	
9·0		10·5	28·9	8·5 a
9·6		37·5	15·1	
9·8		59·5	30·4	
8·2	42	1·5	18·5	Wa
10·0		4·5	25·0	
8·8		19·0	54·8	
10·0		19·5	1·8	
8·6		20·5	54·9	≡
9·6		24·0	44·6	
10·0		40·0	3·0	
9·4		49·0	18·1	G
8·5		58·0	18·4	Ga
9·3	43	2·5	53·1	
9·6		15·5	51·0	
10·0		20·5	25·1	
	+1	3·5	—5·4	

3421—3480.

	8h.		—27°	
mag.	m	s	′	
8·8	43	24·0	16·7	Ga
9·9		28·0	40·7	
9·4		28·0	21·2	
10·0		42·2	28·1	
9·8		42·2	16·1	
9·4		43·2	20·9	
9·2		55·7	14·5	a
9·4		59·2	37·9	
9·0		59·2	56·2	
9·7	44	9·2	13·0	
9·4		19·2	34·7	
7·4		24·2	47·6	7·5 GW=
9·3		34·2	8·1	9·0 a
10·0		36·7	49·3	
8·8		39·2	26·8	
9·6		39·2	23·1	
10·0		56·2	36·2	
9·0		59·2	10·7	
9·3	45	4·7	0·6	
9·2		10·2	55·5	—
9·6		12·7	37·7	
6·3		14·2	14·8	5·0 GStr
9·1		16·7	38·3	9·0 a
9·4		19·7	39·2	9·0 a
9·3		28·7	12·1	
10·0		31·7	56·9	
10·0		59·2	14·3	
9·4	46	20·7	40·9	
9·3		29·2	50·6	
8·0		39·2	10·3	GSb–t
9·4		44·2	32·8	
8·7		44·2	1·0	9·0 G
10·0		47·6	11·7	
9·8		48·2	43·8	
8·8		52·2	41·1	a
9·1		59·2	17·2	
9·0	47	6·9	44·1	b
10·2		10·0	59·0	
10·0		10·1	10·1	
10·2		19·1	11·1	
9·4		21·0	47·0	
10·0		25·8	44·3	
10·2		26·0	13·1	
10·2		28·3	58·2	
9·8		34·8	37·1	
9·9		35·1	27·9	
10·2		40·9	25·3	
7·8		49·6	53·3	Ga
10·2		50·9	17·7	
9·3		53·9	27·6	
9·6	48	10·9	46·8	
9·8		12·4	36·6	
10·2		18·4	59·1	
9·9		27·4	31·8	
10·2		27·9	24·0	
10·2		31·9	43·0	
9·7		39·9	15·3	
9·0		41·9	49·1	9·0 a
10·2		43·9	24·9	
9·6		43·9	50·5	
	+1	3·8	—5·6	

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3481—3540.

mag.	8h. m	s	—27° ′	
9.8	48	51.9	58.8	
9.8		52.4	48.1	
10.2	49	1.4	56.2	
9.6		4.4	38.3	9.0 a
9.7		9.9	56.1	
10.2		21.4	5.5	
10.2		21.9	2.8	
10.2		34.9	36.0	
10.2		41.2	57.3	
10.0		41.9	37.9	
8.1		42.4	36.3	8.0 Ga
9.4		43.9	39.4	9.0
9.7		45.9	1.3	
9.7		48.9	47.0	9.5
9.6		53.9	5.6	
10.0	50	10.4	25.5	
5.8		10.4	12.2	GSctπ
10.2		10.9	45.1	
10.2		25.4	25.8	
10.2		33.7	59.6	
9.3		33.9	30.9	8.5 Ga
10.0		35.4	19.1	
10.2		40.4	35.4	
10.2		59.9	4.7	
10.2	51	2.3	14.8	
9.7		14.8	42.6	
10.2		16.3	58.0	
10.0		30.3	51.6	
9.8		33.3	1.2	
10.2		39.8	8.4	
9.9		41.0	35.2	
9.7		45.8	33.3	
9.6		47.3	11.0	
9.4		51.8	32.6	a
8.0	52	10.8	14.0	GSb≥
9.9		13.3	50.9	
10.2		15.3	50.7	
10.2		20.3	34.8	
10.2		25.8	57.9	
10.2		31.0	58.2	
10.0		43.3	53.9	
10.2		54.8	10.1	
10.2	53	1.8	10.6	
10.0		5.8	16.4	
10.0		20.3	0.5	
9.6		20.3	24.5	
10.2		21.4	59.2	
10.0		28.3	11.6	
8.7		31.8	49.3	
10.2		42.3	5.0	
10.2		42.3	37.6	
10.2		49.8	17.6	
9.7	54	10.3	40.8	
10.2		10.8	4.0	
10.2		11.0	58.2	
7.6		21.8	19.7	7.5 GSb≥
9.8		27.8	27.0	
10.0		40.3	50.8	
10.0		46.8	15.0	
9.5		49.3	0.3	
25pr.	+1	4.1	−5.7	

3541—3600.

mag.	8h. m	s	—27° ′	
9.7	55	5.3	23.9	9.5
10.2		14.3	40.2	
9.7		26.8	22.0	
9.0		31.3	47.0	9.0
10.2		34.8	35.2	
9.6		36.8	5.4	
9.0		40.8	30.8	9.0
9.8		42.8	28.1	9.5
8.5		43.8	1.8	W≡
10.2		46.8	44.6	
9.2		47.8	52.8	G
8.2	56	1.3	50.1	8.0 G−
9.8		3.8	25.1	
10.2		8.8	12.7	
10.2		9.8	33.6	
10.2		16.3	55.1	
10.0		22.3	14.3	
10.0		41.8	31.9	
8.2		42.8	19.2	W≡
8.2		44.8	39.6	
10.2		46.3	32.5	
10.2		51.1	57.9	
10.2		56.3	8.0	
8.9		57.8	8.8	
9.9	57	2.3	46.1	
10.2		3.8	26.9	
10.2		15.8	6.9	
9.5		17.8	47.5	
9.4		20.8	7.0	
9.6		23.3	52.7	
9.7		25.3	48.1	8.8 G
8.0		29.8	42.3	7.5 G=
10.0		30.8	0.8	
9.0		30.8	47.4	8.5 G−
9.7		41.3	19.9	
10.2		47.3	52.7	
9.8		49.8	55.4	
10.2		52.3	48.8	
10.2	58	0.2	41.5	
9.7		2.2	58.7	G
10.0		3.7	1.2	
9.9		5.2	7.3	
8.0		7.2	38.7	8.0 =
9.2		9.7	7.7	9.0
10.2		13.2	42.4	
9.4		14.2	32.6	
10.0		16.7	48.5	
10.2		18.7	10.5	
9.8		23.7	5.5	
9.7		24.7	33.0	
9.7		26.7	24.2	
10.0		29.2	17.6	
10.0		30.2	10.7	
10.2		35.2	27.6	
10.0		43.2	48.0	
9.2		45.2	5.9	9.5 −
9.8		51.7	16.8	
10.0		54.7	26.0	
9.8	59	2.2	0.0	
9.8		10.2	34.3	
	+1	4.3	−5.8	

3601—3660.

mag.	8h.–9h. m	s	—27° ′	
10.0	59	20.2	41.0	
10.2		22.2	8.2	
10.0		32.0	58.0	
10.2		34.0	41.0	
9.8		36.2	52.8	
9.7		53.2	14.3	
9.8	0	2.7	8.0	
10.0		10.2	42.2	
9.7		10.2	56.0	
10.2		20.2	19.4	
9.1		21.7	35.0	≡
9.2		29.2	17.4	
9.8		33.9	2.2	
9.8		33.9	8.1	
10.2		34.4	20.0	
10.0		34.9	59.1	
10.0		35.0	1.0	
9.9		39.9	23.0	
10.0		53.9	19.4	
9.8		56.4	30.5	
10.2		59.9	10.4	
8.8	1	4.9	28.2	≡
10.2		7.9	29.1	
9.3		10.9	9.3	8.8 a
9.3		14.9	2.7	9.0 a
9.4		16.4	33.4	
9.7		17.4	14.1	
9.6		29.9	49.0	9.5
10.2		41.9	28.8	
10.2		49.4	27.0	
10.2	2	8.4	34.1	
9.9		9.9	1.1	
10.2		10.9	40.3	
9.4		18.4	30.0	
10.2		19.9	15.6	
8.2		25.4	41.7	8.5 W=
10.2		25.9	49.0	
10.2		27.9	56.1	
9.7		41.4	0.3	
8.7		41.4	14.9	−
10.2		46.9	7.9	
10.0		47.9	49.0	
9.7		47.9	38.0	
8.3		51.4	59.0	8.5 a
10.2		53.4	37.1	
9.8	3	9.4	16.3	
10.0		11.4	34.0	
10.0		17.4	3.5	
8.8		17.9	35.7	9.5 =
10.2		18.9	29.0	
10.2		29.3	19.4	
8.5		44.8	39.5	9.0 =
10.2		58.3	30.7	
10.2	4	2.3	3.1	
10.2		5.3	3.0	
9.8		7.8	20.9	
9.8		8.3	11.3	
8.6		13.5	58.8	9.0 Ga
9.9		19.3	39.9	−
10.2		31.3	42.6	
	+1	4.6	−6.0	

3661—3720.

mag.	9h. m	s	—27° ′	
9.7	4	35.8	11.3	
9.9		56.8	10.3	
9.9	5	8.3	40.0	
10.2		9.3	16.1	
9.2		9.8	40.4	9.5 Ga
10.0		10.3	49.1	
10.2		14.8	21.6	
10.2		32.8	57.9	
9.4		41.8	20.5	
10.2		51.3	40.6	
10.0		54.8	39.2	
10.0		57.8	5.8	
10.2	6	1.8	3.9	
9.1		6.4	37.7	9.0
10.2		6.8	2.3	
7.9		8.8	55.1	8.2 G≡
10.2		11.3	50.6	
9.2		11.3	15.2	a
10.0		13.8	45.9	
10.2		17.8	54.3	
10.0		22.8	23.7	
7.8		28.3	48.2	7.5 GW=
9.8		38.3	42.9	
9.8		39.8	27.1	
9.8		41.8	7.3	
9.0		43.3	43.5	9.0
9.8		54.3	12.0	a
10.2	7	9.3	37.8	
10.0		10.3	54.0	
10.2		20.3	1.3	
10.2		30.3	39.9	
10.2		32.8	20.2	
10.2		41.3	7.9	
10.2		42.8	43.0	
10.2	8	6.3	44.8	
10.2		14.3	27.1	
9.8		15.8	15.5	
7.8		18.3	47.3	8.0 GWa
10.2		19.8	22.7	
7.6		22.3	34.4	8.2 GWa
9.6		26.3	29.2	
9.2		27.3	27.0	
9.6		32.3	0.1	G
10.2		34.3	56.0	
9.5		34.3	21.8	
8.0		42.9	36.0	8.2 GWa
9.6		48.9	19.7	
9.8		53.5	57.9	
9.8	9	0.3	38.4	
10.0		4.3	43.7	
10.0		11.3	25.0	
9.5		16.3	28.9	9.0
9.6		18.3	27.7	9.5
10.2		41.8	35.9	
10.0		50.8	53.0	
10.2		51.8	9.2	
8.9		56.8	28.1	8.5 G−
9.2	10	9.8	54.7	9.2
10.2		19.8	1.6	
8.4		29.0	41.0	8.0 GS≥
	+1	4.8	−6.1	

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3721—3780.

mag.	9h. m	s	—27° ′	
10·0	11	21·5	22·1	
8·0		25·0	55·1	8·5 a
9·4		59·0	2·4	9·5
9·2	12	3·5	31·7	
9·0		15·0	49·4	a
10·0		19·4	0·4	9·5
8·9		20·0	20·5	8·5 a
9·2		30·0	15·8	9·2
10·0	13	15·0	23·3	
8·4		45·0	36·9	9·0 ≡
10·0	14	3·5	25·6	
9·4		10·0	44·3	
9·8		15·0	42·1	
7·6		30·5	14·9	7·8 Ga
9·4		33·0	4·0	8·6 Wa
10·0	15	12·5	17·7	
9·2		14·5	12·5	
8·8		24·5	23·4	9·0
9·8		43·5	35·0	
10·0		44·5	48·2	
9·6		49·5	37·4	
8·7	16	0·0	19·2	10·0
8·5		3·0	16·6	8·0 Ga
10·0		21·0	51·8	
9·2		46·5	16·5	9·5 a
10·0		54·5	57·2	
9·8	17	0·0	21·3	9·5
8·6		40·0	25·1	a
9·4		45·0	21·2	
9·8	18	0·0	5·3	
8·7		11·5	47·5	
9·6		15·0	8·3	
10·0		18·5	20·2	a
10·0		47·5	44·5	
10·0		53·0	4·2	
9·6		56·5	8·0	
8·0	19	5·0	27·9	7·5 Ga
10·0		12·0	13·8	
9·2		19·5	10·5	9·0
9·2		31·5	31·8	8·5 Ga
9·6		45·0	18·4	9·5
8·9	20	9·5	7·4	9·0
10·0		55·5	45·4	
7·7	21	11·5	50·0	8·5 GW=
10·0		37·5	19·6	8·5
10·0		40·0	59·3	
8·2	22	0·0	51·2	8·0 GW=
10·0		11·5	17·2	
10·0		27·5	17·8	
9·6		30·0	54·0	9·0
8·8		37·0	36·2	
10·0		52·5	5·0	
8·6		57·5	25·6	9·0 =
10·0	23	3·5	51·9	
9·8		39·5	38·8	
10·0		41·0	9·0	9·0
10·0		41·0	27·2	
10·0		51·5	27·0	
9·0	24	0·5	15·2	9·2 a
8·6		4·0	53·6	9·0 —
25pr.	+1	5·5	—6·4	

3781—3840.

mag.	9h. m	s	—27° ′	
8·9	24	5·0	10·6	8·0 a
7·0		30·0	41·8	7·0 GSb≡
8·2		40·0	8·0	8·8 a
8·2		45·0	38·4	8·5 GW—
10·0		52·5	41·0	9·5
9·2	25	0·0	6·1	9·0
9·8		1·5	9·0	9·0
10·0		37·0	28·2	
8·8		50·0	35·6	=
10·0	26	11·3	12·1	
8·1		29·8	40·2	8·0 Wa
9·6		48·8	59·0	
10·0	27	10·3	20·8	
9·6		12·3	53·2	9·5
9·4		13·3	33·0	
8·7		14·8	53·0	9·5
7·6		23·8	7·3	8·0 Ga
9·6	28	13·8	28·4	
9·4		46·8	26·1	a
9·2		51·3	37·3	9·0 a
8·2	29	23·3	49·2	9·0 G=
10·0		39·8	21·9	
10·0	30	39·8	43·1	
9·2		41·3	32·0	
10·0		47·3	43·2	
7·6		59·7	24·1	8·2 G—
9·2		59·8	31·9	9·0 —
10·0	31	7·2	1·0	
9·2		19·0	28·9	9·0
10·0		31·2	48·9	
8·2		45·0	57·5	8·5 Ga
9·8		49·7	47·1	
9·0		52·9	43·2	
10·0	32	8·7	37·9	
9·6		27·2	32·9	
8·9		29·2	23·7	9·0
10·0		48·7	16·2	
8·1		58·4	25·3	8·5 Sa
10·0	33	15·6	58·6	
9·8		22·7	9·4	
10·0		26·7	34·1	
10·0		28·7	34·3	
9·7		29·2	54·9	
9·4	34	4·0	11·0	
9·4		6·0	25·1	9·5
9·4		8·0	32·0	9·5
9·6		29·0	53·1	
10·0		34·0	45·8	
10·0		37·5	20·7	
9·6		42·0	54·0	
9·5		44·0	48·4	
10·0	35	12·5	46·6	
9·0		29·0	17·0	9·2 a
9·6		49·0	55·1	
9·4	36	19·0	55·4	
9·4		19·0	19·3	a
9·8		24·0	31·0	
9·6		24·0	3·5	
10·0		42·9	21·2	
8·9		46·0	40·0	8·5 G≡
	+1	6·3	—6·7	

3841—3900.

mag.	9h. m	s	—27° ′	
10·0	36	58·8	2·2	
9·5	37	17·5	50·6	
9·8		19·0	38·8	
9·2		28·0	49·2	9·5
8·9		43·0	54·1	9·5
10·0		44·2	5·4	
9·4		48·2	35·4	
9·5		50·2	35·2	
8·8		53·2	52·9	9·0 =
9·0		59·5	2·2	a
5·8	38	39·2	11·8	5·0 GStπ
9·2		44·2	5·2	
10·0	39	4·2	37·4	
10·0		10·2	33·2	
7·5		12·2	3·3	7·5 GStπ
9·6		24·7	14·0	
9·8		49·2	3·5	
10·0		54·2	33·6	
8·4		54·2	49·8	8·2 Ga
9·2	40	0·2	22·1	
9·6		8·2	23·5	
10·0		23·2	59·8	
8·9		24·2	15·7	
9·3		34·2	16·5	8·8 G—
8·9		37·2	59·9	9·0 a
10·0		49·2	55·0	
9·4	41	7·5	58·8	
9·7		50·7	27·9	
7·8	42	6·7	48·1	8·0 GSa
9·4		14·2	33·1	
7·9		14·5	1·3	8·0 G—
8·2		26·7	23·9	8·5 G=
9·8		27·2	9·1	
8·4		29·2	41·3	9·0 —
9·4		34·2	15·4	
8·6		38·7	18·3	8·5 G—
9·6		40·2	52·8	9·5
9·3		48·7	44·7	
9·4		51·7	37·4	
9·4	43	8·2	21·1	
9·4		17·2	16·0	
9·8		24·2	51·0	
9·8		36·7	57·4	
8·4		41·5	57·3	8·5 Ga
9·5		43·7	35·5	
10·0		46·2	28·0	
10·0	44	7·4	51·9	
9·5		28·4	11·8	
8·8	45	13·4	31·9	9·0 —
9·7		17·4	33·6	
8·5		31·9	54·2	8·5 Sa
10·0	46	0·9	3·8	
9·8		2·4	14·2	
10·0		6·9	27·8	
9·3		9·4	32·0	
9·3		16·9	29·1	
8·9		21·4	44·7	—
9·4		28·9	42·0	
9·8		29·4	31·4	
9·5		44·4	8·8	
	+1	6·9	—6·9	

3901—3960.

mag.	9h. m	s	—27° ′	
10·0	46	49·4	36·9	
10·0		59·9	2·4	
9·8	47	4·4	36·1	
9·5		16·9	20·8	
9·4		19·9	39·6	
9·6		26·4	56·1	
10·0		26·9	44·1	
9·4		28·4	18·3	
9·4		30·9	34·1	
10·0		35·9	21·0	
9·8		42·4	30·6	
9·7	48	24·4	30·8	
6·7		28·4	24·5	7·0 GSat
8·8		30·4	22·6	9·5
9·8		38·0	24·9	9·0
9·6		44·5	38·1	
8·6		44·5	54·5	8·5 GWa
8·7	49	19·5	29·1	8·5 a
10·0		24·5	0·2	
8·5		35·0	56·7	8·0 GWa
9·5	50	3·5	23·1	
9·6		9·0	11·2	
9·0		17·5	1·4	a
10·0		18·5	21·0	
8·8		28·5	54·6	9·0 Wa
10·0	51	7·0	24·7	
8·4		18·5	56·8	9·0 Wa
9·8		22·5	6·4	
10·0		25·5	34·0	
9·4		39·0	25·9	a
10·0		39·5	52·1	
9·6		46·0	14·8	
10·0		50·0	10·7	
9·2		54·5	39·9	
9·2	52	5·5	25·1	a
9·4		13·0	58·3	—
9·7		18·0	55·9	
10·0		27·0	35·7	
9·8		39·5	56·9	
9·5	53	15·0	9·7	
9·7		24·5	16·7	
10·0		29·5	7·9	
9·5		44·5	38·7	
8·8	54	8·5	44·2	8·0 G≡
10·0		17·0	51·2	
10·0		30·3	13·5	
10·0		35·1	53·1	
10·0		37·8	1·1	
10·0		40·6	10·9	
9·5		48·8	25·7	
9·4		54·8	34·7	
9·9	55	8·7	43·4	
9·9		12·2	15·6	
9·8		40·2	34·8	
10·1		48·7	48·3	
10·2		51·7	29·3	
10·2	56	13·2	32·5	
10·1		28·7	6·1	
10·2		32·7	21·7	
10·2		36·7	31·0	
	+1	7·6	—7·1	

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3961—4020.

mag.	9h.–10h. m s	−27° ′	
9·3	56 38·7	52·6	
9·6	44·7	45·2	
10·2	50·7	39·9	
10·0	58·2	16·3	
9·8	57 0·7	20·6	
9·8	2·2	23·0	
9·9	9·0	58·2	
9·7	40·7	50·0	
9·7	41·7	27·0	
9·9	57·7	20·2	
9·8	58 4·7	12·5	
10·2	6·7	56·0	
9·7	11·2	57·6	
7·9	16·7	53·8	7·9 a
9·4	18·7	49·3	9·0 a
9·8	20·7	6·2	
10·2	27·2	47·4	
7·7	38·7	46·3	7·4 GSa
10·1	44·1	8·3	
9·0	45·6	7·4	9·0 a
7·6	59 9·6	34·8	6·8 GSat
10·0	23·1	29·6	
10·2	23·1	41·1	
10·2	28·6	40·2	
7·3	31·6	35·4	7·0 GSat
10·2	32·6	59·4	
10·2	40·6	30·2	
10·0	41·1	37·1	
9·2	45·1	6·0	9·0 a
9·9	46·1	49·0	
10·2	47·1	37·6	
10·1	52·9	44·8	
10·0	0 0·6	40·9	
9·1	12·1	8·6	9·0
9·7	14·6	4·9	
10·1	15·6	35·2	
9·8	20·1	8·3	
9·5	23·1	40·6	
9·4	29·1	23·0	a
10·2	30·6	1·3	
10·2	40·4	1·5	
9·3	45·6	6·9	
9·0	45·6	32·1	a
9·9	50·6	9·9	
9·8	53·1	39·0	
10·0	53·9	54·3	
9·8	58·6	35·8	
9·7	1 1·1	4·9	
10·2	22·6	10·9	
10·2	26·6	12·5	
9·0	31·1	42·6	8·7 a
10·2	36·6	27·8	
10·0	41·1	27·3	
9·9	42·6	17·7	
10·1	43·1	56·3	
9·9	43·6	49·9	
9·9	2 8·6	27·0	
9·4	10·1	50·6	
9·3	12·0	30·5	9·5 a
9·9	12·1	33·6	
25pr.	+1 8·1	−7·2	

4021—4080.

mag.	10h. m s	−27° ′	
9·6	2 25·5	36·6	
9·9	30·5	35·9	
9·7	30·5	3·9	
10·1	34·5	28·3	
9·8	35·5	49·0	
9·9	36·5	21·9	
10·2	37·0	52·7	
10·0	3 7·0	49·7	
9·8	11·0	51·3	
10·2	12·3	57·5	
10·2	18·0	23·7	
8·9	36·5	17·1	8·5 a
10·2	45·5	17·1	
9·6	54·0	52·4	9·0
10·2	4 0·5	45·0	
10·0	7·5	9·7	
9·8	16·0	23·8	
9·8	24·5	25·9	
10·1	30·5	53·4	
8·4	32·0	35·2	8·7 a
9·8	36·5	34·9	
9·7	38·0	37·6	
10·1	41·0	29·9	
10·0	41·5	46·3	
10·0	42·5	46·6	
10·2	45·6	42·8	
10·1	51·0	19·8	
10·2	5 0·5	44·1	
9·9	7·0	6·3	
9·6	31·5	38·1	
9·9	41·7	1·7	
9·9	6 9·6	57·8	
9·7	10·5	10·3	
9·7	11·5	6·8	
7·1	20·5	59·5	6·5 GSat
10·2	29·5	58·5	
9·5	37·0	20·3	
9·9	37·0	0·7	
9·7	42·2	2·7	
10·0	43·3	35·9	
10·0	48·3	53·6	
9·9	7 0·3	43·1	
10·0	0·3	19·3	
9·9	3·3	27·7	
9·7	4·3	13·6	
9·1	10·3	53·7	9·0 a
10·2	21·3	56·4	
9·6	22·3	40·3	
10·2	25·3	38·1	
10·0	27·8	43·9	
10·2	29·3	45·3	
9·7	34·3	15·7	
10·2	38·3	19·3	
10·0	41·3	18·4	
9·7	44·3	17·8	
10·2	47·3	37·5	
10·2	50·3	13·7	
10·1	58·8	42·4	
9·1	59·3	20·6	9·0 ≥
9·9	59·3	4·7	
	+1 8·5	−7·3	

4081—4140.

mag.	10h. m s	−27° ′	
9·5	8 18·3	6·8	
9·7	22·3	11·7	
9·3	24·3	22·0	10·0
10·1	24·8	35·0	
10·2	29·3	40·8	
9·7	30·3	14·0	
10·2	30·8	26·9	
10·2	37·6	1·8	
10·2	39·8	54·1	
9·7	49·3	39·5	
10·2	51·3	49·6	
9·3	54·8	6·7	
9·3	56·3	4·8	
9·7	57·6	0·8	
10·2	59·8	11·5	
9·9	9 0·3	24·9	
9·9	6·3	29·1	
10·2	10·8	25·6	
9·4	11·1	1·0	
9·9	24·5	58·6	
10·2	28·3	17·1	
9·1	29·1	17·8	9·2 =
10·1	30·1	16·7	
10·1	40·1	54·7	
10·1	41·1	11·1	
10·2	42·4	57·0	
9·8	49·1	54·8	
10·2	51·1	46·8	
9·8	10 0·1	52·9	
10·2	4·1	9·7	
9·0	4·1	48·3	9·0 a
9·9	8·9	57·9	
9·6	18·1	26·7	
10·2	20·1	11·6	
9·9	20·1	13·1	
9·7	20·1	55·6	
7·9	21·9	59·7	7·2 GSa
9·6	22·5	5·3	
10·0	22·6	51·9	
9·7	29·9	57·7	9·5
8·2	30·6	5·4	8·2 Ga
9·7	34·1	29·6	
9·9	41·1	23·3	
9·8	54·6	52·3	
10·2	56·6	55·9	
9·6	59·6	14·6	
10·1	11 2·1	30·7	
10·2	3·6	40·7	
9·7	10·1	17·3	
10·2	11·5	20·7	
10·2	27·1	34·3	
9·6	28·6	13·2	
10·0	31·1	29·8	
9·7	39·1	51·7	
9·6	50·1	22·6	
9·9	59·1	7·0	
10·0	12 1·6	6·9	
9·9	8·9	43·6	
9·8	9·1	3·1	
10·2	20·9	33·7	
	+1 8·8	−7·4	

4141—4200.

mag.	10h. m s	−27° ′	
9·3	12 22·9	55·4	
10·2	31·9	13·3	
9·2	32·4	24·5	
10·1	42·9	17·7	
9·5	48·4	52·9	9·5
8·4	13 0·9	38·5	a
8·4	7·9	48·8	8·5 Ga
9·7	12·9	36·8	
10·2	20·4	13·1	
9·3	26·9	22·0	
10·2	48·4	42·9	
10·0	50·4	43·7	
9·9	51·4	16·3	
9·7	51·9	6·5	
10·0	52·9	10·0	
9·9	57·4	16·0	
10·2	59·9	9·9	
9·6	14 11·9	20·7	
9·1	13·9	48·3	a
9·8	23·9	34·1	
10·1	29·9	59·1	
10·2	49·9	23·9	
9·9	52·9	10·6	
10·2	15 19·9	55·8	
10·1	22·9	26·5	
9·9	33·9	4·5	
9·3	45·9	43·9	
8·7	49·9	38·9	8·0 =
9·8	52·4	21·6	
9·7	16 11·9	17·0	
10·2	24·9	27·0	
10·0	31·9	50·7	
10·2	31·9	47·7	
9·7	35·9	56·7	
9·3	17 4·8	1·5	9·5 −
8·1	5·2	23·0	8·8 GW≥
9·6	19·8	58·7	
10·2	47·3	24·6	
10·0	18 1·8	9·1	
10·1	15·8	34·7	
10·0	18·3	41·3	
10·2	18·8	34·7	
9·6	34·7	58·2	
8·8	19 8·6	24·1	=
9·2	19·6	33·4	9·5
9·0	31·6	28·5	9·0
9·6	44·1	18·5	
9·4	20 29·1	36·0	
9·6	21 50·6	46·1	
9·6	22 50·6	59·0	9·2 =
9·6	51·1	14·0	
9·6	23 9·3	57·7	
8·8	18·6	50·5	8·7 ≡
9·6	24 4·6	30·1	
8·8	25 29·6	0·6	9·5 a
6·8	59·6	35·6	6·5 GSa
9·2	26 14·8	49·3	
9·0	27 42·8	11·2	a
8·8	54·8	49·4	9·0 a
9·6	28 42·3	50·6	a
	+1 9·2	−7·5	

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4201—4260.

mag.	10h.–11h. m	s	–27° ′	
9·6	28	59·8	56·0	
9·6	29	9·8	22·9	
9·6		17·8	43·9	
9·6		28·3	49·9	
9·2		33·8	56·1	a
9·6		50·8	54·7	a
9·6	30	33·5	57·9	
7·8		50·1	0·7	7·0 GStπ
7·6	31	45·1	25·2	8·0 a
9·4	32	3·1	20·3	9·5
8·6		35·7	27·5	9·0 a
9·2		37·7	33·3	9·0 b
9·6	33	14·2	45·1	
8·0		30·2	18·0	8·8 a
8·2	35	25·2	28·9	8·5 Ga
9·6		40·7	39·9	
9·6	36	35·1	6·0	
8·4	37	18·1	53·3	9·0 a
8·8	38	30·1	52·5	9·2 –
8·8	39	16·1	39·9	9·5 a
10·2	40	29·0	29·7	
8·6		33·8	30·4	8·5 Wa
8·2		34·6	28·9	8·5 GWa
10·0		51·0	48·5	
9·8	41	11·0	52·9	
10·2		14·0	5·1	a
8·5		19·0	6·5	8·5 a
10·2	42	3·0	21·0	
9·4		3·5	31·6	
10·2	43	0·0	35·0	
7·0		1·5	15·4	7·0 GSat
8·8		30·0	15·4	9·0 a
9·3	45	20·2	13·5	8·5 ≡
9·4	47	9·7	3·9	
9·1		11·7	42·8	8·2 S≥
9·5		42·7	12·9	
10·2	48	4·2	21·4	
10·2	49	24·2	12·0	
9·0		35·2	21·8	b
8·8		52·7	9·2	8·5 Ga
9·8	50	51·7	29·5	9·5 a
8·8	51	5·2	48·5	9·0 W≥
9·4		23·2	25·3	9·5 a
10·2		51·2	55·5	
8·8	52	0·2	38·8	8·5 GWa
9·6		50·2	26·3	
10·0	53	7·2	18·8	
8·6		9·2	47·2	9·0 Ga
10·2	54	16·7	46·4	
9·3		23·4	2·8	9·0 a
9·8		28·2	33·7	–
9·4	55	27·7	29·3	9·2
9·8	56	21·7	29·9	
10·0	57	21·2	5·1	9·0 a
10·0		25·2	20·7	
9·4		38·7	4·9	9·0 a
10·2	59	1·2	53·4	
10·0		15·7	41·2	
9·3		59·2	18·8	9·0 –
8·5	0	1·2	8·9	8·5 –
25pr.	+1	11·0	–7·9	

4261—4320.

mag.	11h. m	s	–27° ′	
9·5	0	16·2	44·7	
10·2		52·3	22·5	
9·2		55·3	17·6	
9·8	1	14·3	20·6	
8·0		25·3	48·9	7·0 GSa
10·2		31·3	44·1	
9·8	2	7·3	35·4	9·0 a
10·2		39·8	25·6	9·5
6·5		41·4	24·1	6·0 GSπβ
10·0		49·4	23·4	
10·2		51·4	25·8	
10·2	3	3·6	42·8	
10·2		12·9	4·6	
8·4		23·4	37·0	9·0 Ga
9·6		31·4	10·5	
9·0		32·4	6·3	a
9·6		45·4	18·3	
9·6		47·7	0·8	9·0 a
10·0		54·4	35·5	
7·9	4	14·2	35·6	8·0 Ga
9·3		22·7	13·3	a
9·8	5	52·7	45·5	a
9·4	6	5·7	1·8	
10·0		21·7	15·0	
9·6		33·2	15·9	10·0
9·8		36·7	14·9	9·5
10·2		42·7	53·6	10·0
10·2	7	31·6	20·1	
9·1		32·7	45·4	9·5
10·2		42·6	20·9	
9·6	8	1·7	8·1	
9·8		22·6	0·5	
10·2		30·2	15·5	
8·8		40·7	37·6	8·5 =
8·5		43·7	49·3	8·5 =
10·0		52·2	12·6	
10·2	9	1·7	44·7	
9·4		22·2	0·9	
10·2		39·7	46·7	
7·9	10	26·7	26·7	8·0 GS≡t
10·2		44·2	55·8	
9·0		45·7	41·5	9·0 –
9·3		54·2	52·8	9·0 –
10·2		54·6	33·2	
9·8		59·2	7·8	
10·2	11	26·0	20·9	
10·2		54·0	50·3	
9·0		56·5	28·8	S
8·2	12	7·5	45·1	8·0 GWa
10·2		33·0	54·7	
10·0		56·0	7·4	
10·2	13	2·5	50·9	
8·0		20·0	47·5	9·5 GSat
8·7		38·5	5·5	9·0 –
8·0		41·0	30·2	7·2 GSat
8·4		42·0	56·0	8·5 a
7·9	14	13·0	38·8	6·8 GSa
9·4		23·3	1·9	
9·8		33·0	47·4	
9·4		36·0	53·0	
	+1	12·9	–8·1	

4321—4380.

mag.	11h. m	s	–27° ′	
8·8	15	6·5	15·9	9·0 a
8·2		7·5	5·3	8·5 b
9·6	16	22·0	49·3	
9·2		27·0	33·7	9·0 Ga
9·8	17	8·0	34·7	
10·2		10·0	13·9	
9·6		28·0	6·0	
9·6		29·0	46·0	9·0 Ga
9·3		36·0	49·3	9·0 b
9·2		38·0	49·5	9·0 b
10·0	18	5·5	55·8	
8·5		57·5	58·8	9·0 Ga
10·0	19	1·5	29·1	
9·2		17·5	38·0	
10·2		49·5	12·3	
9·8		52·0	37·7	
9·2	20	14·5	9·5	
9·8		22·6	58·4	
9·6		26·0	34·3	
10·2		28·5	1·0	
10·2		46·3	0·6	
9·6		47·0	45·8	
10·2	21	12·5	29·9	
10·2		36·9	58·5	
10·2		42·5	20·7	
10·0		43·5	25·4	
8·7		46·5	48·2	9·0 =
9·3		50·5	40·7	
8·4		53·5	41·9	8·5 =
10·2		57·5	5·9	
8·6	22	33·5	4·2	8·0 G=
7·3	23	26·3	20·4	7·0 GSbt
10·2		33·0	1·0	
10·0		45·5	25·7	
9·8	24	3·5	7·9	
9·9		18·5	36·9	
10·0		57·0	39·3	
10·0	25	23·1	36·0	
10·0		34·6	51·7	
9·2		46·2	19·4	
9·4		52·5	1·9	
8·2	26	27·2	55·2	8·5 –
9·0		27·2	3·5	=
9·0		29·7	13·8	
10·0		56·2	24·3	
9·8	27	4·2	11·5	
8·6	28	12·2	29·1	8·5 G–
9·6		12·2	3·2	
7·4		19·7	35·8	8·0 G–
8·3		22·2	41·4	8·5 G–
7·8		36·2	43·2	7·5 –
9·2		56·2	37·5	9·0
10·0	29	19·5	26·2	
8·4	30	15·7	10·4	–
8·3	31	1·7	18·4	8·8 –
10·0		11·5	0·6	
9·8		13·3	58·6	9·0
9·8		36·7	45·5	
8·6		41·7	33·9	7·5 Gb=
7·8		58·2	35·8	7·5 a
	+1	13·9	–8·2	

4381—4440.

mag.	11h. m	s	–27° ′	
9·3	32	32·2	41·6	
9·6		32·7	25·5	
9·0		33·2	43·5	9·0
8·7		36·7	59·3	9·5
9·0		58·2	51·5	9·0
9·6		58·7	17·2	
9·6	33	7·7	41·1	
9·3		18·7	10·1	
9·6		32·2	34·9	
9·0		46·3	26·4	a
9·2		59·7	9·1	
8·0	34	2·2	48·2	7·0 GW=
8·6		23·2	27·1	a
10·0		47·7	48·2	
9·1		59·2	8·8	a
9·0		59·2	21·7	a
9·4	36	33·2	10·2	9·5 Ga
10·0		37·5	33·6	
9·8	37	16·7	40·6	
8·7		19·7	29·1	a
9·6		30·5	18·8	
9·3	38	3·7	19·9	8·7 Ga
9·4		47·7	30·0	
8·2	39	8·7	40·7	8·5 Ga
9·8		27·7	47·3	
7·8	40	3·7	16·1	7·5 GSat
9·1		43·5	20·0	
9·8		46·5	30·9	
7·4	41	35·0	37·6	7·5 GSa
9·1		39·5	41·6	9·0 G–
9·3	42	49·0	43·9	
9·2	43	6·5	35·0	
9·8		9·0	25·0	
9·8		48·5	56·3	
10·0		50·5	5·2	
10·0	44	41·0	30·2	
9·4	45	34·5	24·6	
9·8		38·5	37·8	
9·1		54·2	27·2	9·0 G
10·0	46	10·5	47·9	
8·4		53·2	42·3	9·0 Ga
8·2	47	17·0	35·0	8·5 Ga
9·5		17·0	56·7	9·0 a
8·4	48	53·0	2·6	8·8 ≡
8·8	49	11·0	26·8	9·0 –
7·5		19·0	46·7	6·5 GSπβ
10·1		21·7	19·8	9·5
9·2	50	23·5	55·4	9·5
9·8		27·0	3·3	
9·0		27·5	26·9	9·0 a
9·8	51	51·5	57·8	9·5 Ga
9·0	52	53·5	56·2	9·5 a
10·1	53	46·0	52·4	
10·1	54	0·0	8·5	
10·1	55	3·5	31·1	
9·8		28·5	29·3	9·5
10·1		28·5	38·9	
8·4	56	38·0	33·6	8·5 Ga
9·2	57	58·0	53·0	9·0 a
10·1	58	13·2	3·0	
	+1	15·4	–8·3	

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4441—4500.

mag.	11h.–12h. m	s	–27° ′	
8·4	58	28·3	57·9	8·8 Ga
9·5		38·2	4·0	
10·0	59	19·2	37·1	
8·8		44·7	16·5	9·0 b
8·9		47·2	20·3	9·5 Gb
10·1		49·7	12·0	
10·1	1	19·7	0·0	
9·0		43·0	2·3	
9·8		46·0	59·7	9·0
10·1	2	0·7	6·3	
8·4		3·7	19·5	8·8 GW–
10·1		7·7	20·1	
8·2		13·7	22·4	8·8
9·6		42·2	17·0	
9·6		46·2	33·5	a
8·6		55·2	17·1	8·8 GWa
10·1	4	18·2	55·7	
9·4		23·2	3·3	
8·0		25·7	22·2	7·5 GSat
9·5		30·2	39·1	9·5
9·6		30·2	5·0	
10·0		39·0	0·9	
9·8	5	7·2	47·0	
8·9		12·2	50·4	8·8
9·0		13·2	49·1	9·0 –
9·2		16·9	58·6	
10·1		33·7	18·6	
10·1	6	13·1	8·0	
9·5		22·7	51·0	
9·4		43·2	14·3	9·5
8·8		55·2	53·8	9·0
9·6		58·2	10·2	
10·1	7	21·2	4·0	
10·1		33·7	14·0	
8·4		45·7	33·3	9·0 b
9·8	8	10·2	6·4	
9·8		20·2	44·6	
10·1		46·4	48·1	
10·1		47·3	49·9	
9·0	9	10·4	36·7	
10·2		26·0	52·3	
8·4		49·9	15·4	9·0 ≡
9·6	10	50·7	12·8	
9·2	11	10·7	0·7	
9·0		14·7	53·6	9·5
7·9		17·7	34·5	8·0 Ga
9·8	12	29·2	58·3	
10·2		35·2	26·2	
7·8	13	30·2	49·8	7·8 W–
10·0	14	1·7	47·0	
8·4		5·2	7·2	9·0 G–
10·2		52·7	47·8	
9·2	15	15·7	27·0	
9·8		29·7	7·7	
9·4		44·2	52·4	
9·2	16	10·7	4·1	9·2
10·2		31·7	44·6	9·0 a
10·2		54·2	28·0	
10·2	17	20·7	30·3	
8·4		38·7	51·8	8·5 a
25pr.	+1	17·4	–8·4	

4501—4560.

mag.	12h. m	s	–27° ′	
9·4	17	41·2	2·4	
10·2	18	15·7	45·1	
7·5		45·7	3·3	6·5 GSa
10·2	19	6·1	28·9	
8·4		7·2	43·4	8·5 Ga
8·9		29·7	48·8	
8·4	20	34·2	0·6	8·5 GWa
10·2		35·2	38·8	
10·2		46·2	21·4	
10·2	21	2·2	38·9	
9·2		17·2	28·3	
10·2		47·2	3·7	
10·2	22	4·2	59·3	
10·0		9·2	18·3	
9·5	23	17·4	34·8	
10·2		17·9	27·1	
10·0		22·9	54·3	
9·8		55·9	13·0	
8·8	24	39·9	9·1	9·0 =
9·0	25	2·4	49·3	9·0 –
9·5		17·4	25·5	
10·2		21·4	6·0	
8·4		46·9	24·8	8·8 –
10·2		58·4	25·4	
9·2	26	9·9	3·7	
10·2		21·7	17·4	
8·4		49·5	45·4	9·0 a
8·6	27	12·9	55·3	8·7 a
8·6		13·9	18·9	9·5 a
9·6	28	1·4	39·0	
9·8		5·4	30·1	
9·8		41·9	7·4	
8·6		59·9	57·1	9·0 Ga
9·2	29	9·4	17·7	
10·2		35·9	0·7	
9·4		58·9	5·6	10·0
8·2	30	54·3	43·6	8·8 GWa
10·2	31	9·7	58·0	
9·6		25·6	24·2	
10·2		56·8	55·7	
10·2	32	25·8	23·7	
10·2	33	22·3	32·2	
10·1		32·8	39·1	
9·8		58·6	0·1	
7·6	34	13·2	1·6	7·5 GSa
7·8		35·8	13·2	7·2 GSat
10·2		59·3	17·0	
10·2	35	18·8	3·8	
9·4	36	1·3	27·3	
10·2		4·1	46·5	
10·2		20·5	42·0	
9·7		33·1	29·0	
8·2		52·6	30·0	9·0 Ga
10·2	37	6·6	48·0	
7·4		21·6	38·3	6·0 GStπ
10·2		29·6	32·8	
10·2		38·6	53·0	
9·7		58·6	32·2	
9·0	38	14·1	43·0	
10·2		22·1	16·3	
	+1	18·9	–8·3	

4561—4620.

mag.	12h. m	s	–27° ′	
9·9	39	12·1	39·0	
9·7		25·1	3·6	
9·7		30·6	23·6	
9·7		58·1	40·0	
9·0	40	34·6	51·8	–
10·0		42·6	42·0	
9·8	42	6·1	43·0	
10·2		24·6	44·4	
8·6	43	13·6	4·5	9·0 –
10·2		22·1	41·2	
10·0		30·1	33·0	
8·0	44	0·1	10·0	8·0 G=
8·1		3·6	38·2	8·5 –
8·8		26·6	10·3	
9·2		42·6	20·7	
8·4		49·1	10·3	
9·0		59·6	4·2	
10·2	45	46·6	21·7	
9·4		57·6	59·0	
9·6		58·1	43·6	
9·2	46	14·6	53·2	
9·8		35·6	14·4	
10·2	47	12·1	34·0	
9·6		13·6	59·2	
7·6		32·8	16·6	8·0 GW=
9·6	48	2·3	5·9	
9·4		2·8	26·3	
9·4		10·8	41·0	
9·7		23·8	31·8	
9·1		28·8	13·5	a
8·8		31·3	46·5	
8·4		31·3	21·0	9·0 a
9·9		58·3	31·9	
9·0	49	0·8	24·7	
10·2		13·3	3·3	
10·2		22·8	46·3	
9·0		36·8	6·2	
9·0	51	25·8	36·2	–
10·0	52	6·3	19·6	
8·5		23·0	1·3	8·7 –
9·6		23·3	43·0	–
10·2		42·1	57·1	
9·4		42·8	21·8	
10·2		43·3	42·2	
9·4	53	11·8	11·7	
9·0		21·8	9·9	9·5
10·2		36·3	29·5	
8·5	54	0·8	11·5	9·5 a
10·2		1·8	36·1	
9·6		14·8	14·7	
9·6		17·8	21·8	
10·2		31·6	59·4	
10·0		32·4	54·4	
10·0		45·1	14·3	
7·6	55	36·1	36·8	7·0 GSat
10·0		52·1	38·1	
9·9		52·6	43·2	
8·6		59·6	46·0	Ga
9·7	56	13·6	25·2	
9·2		14·6	19·8	
	+1	20·5	–8·2	

4621—4680.

mag.	12h.–13h. m	s	–27° ′	
9·0	56	31·8	58·7	
9·4		32·1	15·6	
10·0		58·1	49·7	
10·0	57	5·6	24·9	
9·4		23·6	30·0	
7·4		37·1	44·0	7·2 GSa
10·0		45·1	58·9	
10·0	58	12·1	17·8	
8·6		23·6	54·9	9·0 a
8·0		24·1	50·7	7·5 GSa
10·0		35·1	16·2	
9·0	59	10·6	19·7	9·0 a
9·7		28·1	12·6	
9·6	0	16·1	46·7	
10·0		21·1	40·0	
8·8		26·6	7·7	8·9 Ga
10·0		42·1	54·2	
8·8		44·1	26·8	
9·6	1	10·1	3·2	
8·3		22·1	32·1	8·5 GWa
10·0		29·2	57·7	
8·8		31·6	30·5	
8·8		45·1	18·1	8·8 Ga
10·0	2	13·2	59·2	
10·0		18·1	50·1	
8·1		32·1	3·7	8·5 Ga
10·0		50·1	33·4	
9·7	3	10·7	0·3	
10·0		11·1	46·8	9·5
10·0		17·1	53·7	
9·6		17·1	30·3	
9·2		51·1	38·0	9·0
9·6	4	22·1	10·6	
9·8		48·4	45·2	
9·1		53·4	58·3	
9·7		57·6	15·2	
9·9	5	3·1	18·1	
10·0		3·6	55·4	
10·0		25·6	17·5	
9·4	6	31·1	26·5	
9·8		52·1	18·8	
10·0		52·1	27·1	
9·9		56·1	22·9	
10·0	7	2·1	39·9	
9·6		2·6	15·0	
8·8		15·5	3·0	8·7 Ga
10·0		22·1	5·8	
8·2		42·6	52·3	8·5 –
9·0		52·1	11·8	8·8 Ga
9·4		54·6	11·7	9·0
10·0		55·2	24·7	
9·8	8	10·1	26·7	
9·7		46·1	6·5	
10·0	9	33·6	47·5	
8·8		36·1	24·1	8·0 Ga
10·0	10	7·1	44·8	
10·0		10·2	5·4	
10·0		32·6	40·0	
7·5	11	32·1	40·2	7·0 GSa
9·5		33·6	45·3	9·0 a
	+1	21·5	–8·0	

4681—4740.

mag.	13h. m	s	−27° ′	
10·0	11	34·1	59·8	
9·6		50·1	45·1	
10·0	12	12·6	21·6	
9·6		30·1	14·0	
8·8	13	1·1	8·8	9·5
9·9		12·1	44·1	
8·8		24·3	0·3	
9·7		35·6	23·5	
8·6	14	4·6	30·9	9·5 –
9·6		22·1	36·9	
10·0		25·1	44·5	
10·0		30·5	26·3	
10·0		52·0	18·8	
9·1	15	6·0	10·8	
8·5		32·0	43·8	9·5 –
10·0		35·0	52·3	
9·2		36·0	10·3	
9·7		39·0	37·3	
9·2		51·0	46·5	
9·7		51·0	20·0	
9·2		54·6	33·4	
10·0	16	12·0	37·1	
9·0		19·5	16·5	
10·0		42·0	11·5	
10·0		54·0	42·0	
8·1	17	2·4	43·0	8·0 Ga
9·5		18·9	3·3	
9·0		37·7	5·2	9·0 a
10·0		38·5	58·6	
10·2		51·3	48·6	
9·8		54·1	48·4	
9·2		56·7	36·4	a
10·1	18	3·6	51·8	
9·6		10·4	59·6	8·8 ≡
8·4		22·3	53·0	8·8 ≡
8·8		41·3	2·7	9·0 –
10·1	19	40·5	24·7	
9·2	20	12·3	18·5	
10·1		14·6	58·0	
10·1		53·8	20·0	
10·1	21	3·5	38·1	
10·1		3·8	7·6	
9·0		31·3	45·2	9·5 Ga
9·8		48·8	19·7	
9·4		49·8	8·2	
9·4		58·8	39·7	9·5 G
9·5	22	13·3	7·6	
9·2		23·3	49·1	
10·2		23·3	51·1	
9·5	23	1·8	48·6	9·0 a
9·8		36·3	52·1	
10·0		57·3	49·2	
9·8	24	23·3	53·1	
6·8		36·3	27·9	6·8 GSa
9·0		42·8	45·2	
10·2		53·3	12·8	
8·9		57·3	40·5	9·0
9·6	25	1·3	38·7	
9·4		22·3	46·3	8·5 G
8·8	26	10·3	35·8	9·0
25pr.	+1	22·6	−7·9	

4741—4800.

mag.	13h. m	s	−27° ′	
9·8	26	12·3	34·2	
8·9		28·9	2·0	9·0
8·8		47·3	38·0	
10·2		54·3	57·6	
9·4	27	32·3	52·5	9·5
10·2		33·3	44·5	
8·8		47·3	52·3	8·5 Ga
9·0	28	0·8	11·4	
9·6		5·3	41·4	
9·4		16·3	53·9	9·0 a
9·8		48·7	54·9	9·5
9·8		49·7	26·4	
9·5		53·7	44·8	a
9·2	29	58·2	32·9	
7·9	30	8·7	0·7	7·5 Ga
10·0		16·2	3·4	
9·5		35·2	57·9	
10·1		44·2	2·9	
9·8	31	1·2	27·9	
10·2		40·7	57·5	
9·4	32	7·7	18·2	
10·1		17·2	8·0	
9·0		56·7	7·9	9·0 a
10·1	33	23·7	22·1	
7·8		47·2	36·3	8·2 G–
9·8	34	23·2	28·7	
8·8		44·2	32·7	–
9·8	35	2·7	19·3	
10·1		19·7	37·7	
9·2		48·7	10·7	
8·6	36	7·7	32·3	9·0 a
9·5		18·7	20·9	a
8·5		53·7	8·1	9·0 –
9·8	37	16·7	48·7	
10·2		26·7	15·8	
10·2		46·7	59·7	
8·5		51·2	1·0	8·8 a
9·8		52·7	8·8	
10·1	38	32·6	23·0	
8·2		33·7	13·5	8·7 a
8·8		38·1	58·8	9·0 –
9·6		52·3	58·6	
10·2	39	25·3	25·0	
9·4	40	2·8	49·4	
9·7		21·5	36·7	
9·4		21·8	51·8	
9·9		22·9	0·1	
9·0		42·5	58·5	9·5
9·4		48·0	13·2	
9·9		55·9	37·3	
9·9	41	11·0	52·4	
9·4		58·5	44·6	7·0 GSat
8·8	42	4·0	44·8	
9·9		7·1	57·2	
9·1		35·4	0·4	9·0 –
9·3		39·5	31·0	
9·6		45·0	51·8	
9·7		47·9	44·1	
7·8		51·0	33·6	7·0 GSa
8·6		57·0	33·6	8·8 Wa
	+1	23·9	−7·6	

4801—4860.

mag.	13h. m	s	−27° ′	
9·4	42	57·3	49·3	G
9·9	43	1·3	5·2	
9·7		31·6	57·3	
8·2		41·3	41·2	8·5 GWa
8·4		51·3	5·1	8·5 =
8·8		55·3	38·3	8·5 Wa
8·8	44	22·3	0·9	8·5 Ga
8·8		43·3	41·7	8·5 a
9·4	45	20·3	26·9	
9·2		25·3	13·9	a
9·6		26·8	14·3	
8·8		34·8	13·1	
9·7		52·3	48·4	
9·1		52·3	26·9	
9·6	46	12·8	59·9	
8·3		38·3	32·0	Ga
9·9		47·8	54·1	
7·9		56·3	31·5	Ga
9·6	47	11·3	14·5	
7·4		12·3	57·1	6·3 GStπ
9·9		18·8	12·5	
9·0		42·3	18·0	
9·6	48	19·0	20·4	
9·1		22·7	1·9	
8·6		28·0	22·8	9·0
9·0		38·5	26·4	9·5
8·8		43·0	44·8	a
9·9		43·0	47·1	
8·5	49	1·0	4·0	9·0 –
9·4		15·0	11·1	
7·6		26·2	1·6	7·0 GSbt
9·8		41·5	55·2	
8·0		48·7	2·8	8·0 GSct
9·9	50	4·5	2·4	
9·7		15·0	42·0	
9·8		25·0	52·1	
9·2		27·5	48·0	
9·8		32·5	8·0	
9·9		45·0	15·7	
9·7	51	35·5	17·4	
8·3		52·5	37·2	8·5 a
8·4	52	11·5	16·4	9·0 a
9·8		15·5	16·9	
9·0		15·5	32·4	a
9·8		22·5	40·2	
8·3		32·0	13·4	8·5 a
9·2		33·5	54·2	9·0
8·4		43·0	9·0	9·0 –
9·4		49·0	28·7	
9·4	53	2·0	14·5	
9·2		52·5	27·4	a
9·4		57·0	35·1	
8·8	54	26·0	22·6	
9·7		37·5	26·7	
9·0		51·0	39·1	
9·9	55	11·0	19·2	
8·4		15·5	49·0	
9·1	56	22·0	10·6	a
9·4		54·5	28·9	
9·9	57	2·0	53·8	
	+1	24·7	−7·4	

4861—4920.

mag.	13h–14h. m	s	−27° ′	
8·8	57	3·0	15·4	
9·2		5·5	51·7	
8·1		12·7	59·9	8·5 GWa
9·9		39·5	4·9	
9·9		40·5	48·8	
9·9		42·6	46·1	
9·8		43·0	10·7	
9·9		46·4	35·9	
9·8		48·5	8·5	
9·9		50·5	11·1	
7·8		56·5	55·1	8·0 GWa
9·6	58	0·5	18·6	
9·9		7·5	33·3	
9·8		30·0	2·9	
9·6		32·5	15·9	
9·8	59	0·0	39·7	
9·4		42·0	6·9	9·5
9·0	0	12·5	8·0	
9·3		15·5	14·5	
9·8		16·5	1·4	
8·8		31·5	6·8	
9·8		35·5	20·1	
9·4		43·0	43·9	
7·7		44·5	32·3	8·5 –
8·8	1	3·8	28·4	9·0
8·8		11·8	6·5	8·5 a
9·6		15·0	58·2	
9·6		20·3	3·2	
9·7		40·5	5·4	
8·8		52·8	37·1	
9·0		56·5	18·8	
9·8		59·5	37·9	
8·8	2	6·5	33·0	
9·4		14·8	3·3	
9·6		16·0	35·2	
9·2	3	1·1	36·1	
9·0		25·6	24·0	
7·7		47·6	45·6	7·3 Ga
9·6		52·6	22·5	
10·0	4	2·6	7·0	
9·2		4·1	52·0	
10·0		29·1	49·4	
9·8		32·9	33·8	
9·8		42·1	13·4	
9·8	5	7·1	15·6	
9·4		15·1	0·1	
8·8		59·6	26·2	a
9·6	6	29·6	42·8	
10·0	7	12·6	55·9	
7·6		31·6	10·5	7·8 Gkb
9·4		39·7	9·3	
9·8	8	12·7	57·3	
9·2		12·7	42·9	
9·4		23·7	34·1	
9·0		31·5	57·7	–
9·4		43·7	49·5	
9·4		50·0	1·9	
9·2		55·2	5·3	9·5
8·5	9	9·2	16·1	8·8 ≡
9·4		11·5	2·1	
	+1	25·6	−7·2	

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4921—4980.

mag.	14h. m	s	—27° ′	
9·8	9	37·7	58·1	
8·2	10	2·7	16·3	9·0 —
9·2		16·5	0·3	
9·2		21·7	14·9	9·5 —
9·2		54·7	23·9	
9·0		58·2	6·3	9·5 a
9·4	11	1·7	10·5	
9·4		3·2	25·9	
9·6		29·2	47·9	
10·0		32·7	21·3	
10·0		52·8	42·7	
10·0	12	28·7	29·8	
10·0		31·7	18·3	
10·0		35·2	27·3	
10·0		41·5	58·9	
7·1		55·7	28·2	7·2 GSkb
9·2	13	1·0	0·7	a
10·0		2·7	13·0	
9·6		15·2	45·5	
9·8		41·7	26·9	
9·0		48·2	25·9	
9·8	14	13·8	59·9	
8·8		18·2	31·5	
9·6		25·7	28·6	
10·0		28·7	59·7	
9·4		30·2	14·9	
7·7		47·7	44·1	7·2 GSkb
9·4	15	1·8	27·2	
9·8		16·8	36·4	
10·0		30·3	32·8	
9·6		35·8	59·7	
9·8		41·8	58·4	
10·0		51·3	50·9	
7·0		53·8	10·7	5·0 GSπβ
10·0	16	7·3	3·8	
7·8		11·8	14·6	7·7 Gtlπ
9·4		13·8	22·1	
8·4		33·3	45·9	
8·8		36·8	34·8	8·0 GW—
7·6		44·8	10·6	8·5 G=tπ
9·6		57·8	58·5	
10·0	17	17·8	29·3	
10·0		22·3	27·0	
9·6		27·3	32·7	
9·2		44·8	19·9	
9·6		47·8	14·3	
9·8		57·3	11·5	
8·0		57·8	33·7	7·5 GW—
9·2		59·8	16·6	9·0
10·0	18	12·8	55·2	
10·0		17·8	20·4	
8·9		18·3	8·7	9·0 —
8·6		21·8	12·8	8·5
9·6		27·3	25·8	
9·6		33·3	3·9	
9·4		43·8	12·5	9·5
9·4		59·8	20·8	
9·2	19	7·8	55·3	9·5
8·5		47·8	13·1	9·0
8·3	20	4·8	21·3	8·5 Wa
1 25pr.	+ 1	26·6	—6·9	

4981—5040.

mag.	14h. m	s	—27° ′	
10·0	20	11·3	18·1	
8·4		12·8	20·4	8·0 GWa
8·6		16·3	47·8	9·5 a
10·0		42·3	6·0	
9·4	21	9·8	24·9	
10·0		16·0	40·8	
8·3		18·8	21·4	7·8 GWa
9·2		30·3	18·8	
9·2		33·7	32·1	
8·6		53·7	58·9	8·5 G
9·8	22	15·7	27·0	
8·4		16·7	32·4	9·0 Ga
9·8		17·3	4·2	
9·6		31·7	44·3	
9·4		49·7	2·3	
9·0		52·7	58·0	
9·8	23	1·3	18·7	
8·2		9·7	27·1	7·8 Ga
9·8		29·7	12·4	
9·4		32·7	28·7	
7·7	24	49·8	9·1	7·5 GSa
8·6		50·3	28·9	8·5 G—
8·6	25	1·1	17·7	8·5 G=
9·4		5·1	14·7	9·5
9·3	26	24·6	51·9	9·0
8·8		57·1	33·6	
9·4	27	3·1	1·2	
9·9		25·1	41·7	
9·4		44·1	3·1	
9·4		46·1	13·8	
9·9	28	2·1	21·8	
9·3		3·1	22·4	
8·8		16·2	28·6	8·2 Ga
9·7		37·2	11·0	
8·6	29	12·2	42·6	8·0 GWa
8·6		47·2	41·8	9·0 W
9·3		53·2	44·6	
8·8		56·2	45·5	8·5 Wa
9·2	30	43·2	7·4	
9·6	31	3·2	56·0	
9·8		33·2	29·7	
8·8	32	41·2	22·2	
8·8		46·2	27·2	9·5 a
8·8	33	4·2	36·0	9·0 a
9·6		6·2	16·5	
9·7		24·3	11·6	
9·4		44·2	27·2	
9·2		52·9	0·1	
9·0		53·2	53·0	
7·9	34	36·7	31·7	7·5 GSa
8·3	35	6·2	15·0	8·0 GSa
8·8		18·2	8·7	9·5
9·9		23·2	48·8	
9·2		31·7	43·2	
8·8		44·7	44·5	
9·9		46·9	58·6	
9·6		55·7	18·2	
9·4	36	13·2	9·8	
8·2		22·2	14·1	8·5 a
8·6		41·4	58·1	9·0
	+ 1	27·3	—6·7	

5041—5100.

mag.	14h. m	s	—27° ′	
8·2	36	46·2	49·2	8·0 Gka
9·9		58·7	2·9	
9·9	37	12·2	56·1	
9·7		22·2	41·8	
8·2		37·7	31·0	8·8 a
9·0	38	34·2	11·0	9·2
9·3		49·7	1·8	
9·7	39	8·7	21·3	
8·6		50·2	47·3	—
7·6	40	23·2	10·3	7·8 GSa
9·9		27·7	47·5	
9·8		36·7	55·9	
9·4		43·2	29·9	
9·4	41	16·2	51·1	
8·8		47·7	49·3	
9·0	42	0·2	34·3	8·5 Ga
9·1		16·2	55·2	9·0 a
7·0		56·7	26·2	5·0 GSπβ
9·9	43	13·2	26·9	
7·4		31·2	48·3	8·0 GSa
7·9	44	3·7	7·1	8·3 a
8·2		32·7	4·8	8·3 a
8·8		33·7	7·1	8·8 a
9·8		40·2	18·7	
9·8		59·2	36·8	
9·1	45	30·7	23·7	
8·4		43·7	18·6	9·0 a
9·9	46	17·7	14·8	9·5 a
7·8		22·4	53·6	7·0 GSa
9·8		27·2	41·9	
10·2		40·0	29·0	
7·0		56·5	50·1	7·0 GSct
10·2	47	2·9	13·9	
8·2		12·5	45·8	8·8 Wa
10·2		13·0	28·7	
10·2		14·3	0·5	
10·2		16·0	39·2	9·0
9·6		20·8	43·8	
10·2		36·0	2·4	
9·4	48	4·0	49·0	a
9·4		41·0	33·0	
10·2	49	27·0	30·5	
9·3		30·0	17·7	K
9·5		46·0	5·2	
9·6		49·0	5·6	
9·8		56·0	7·5	
8·5	50	4·0	33·0	9·0 —
10·2		23·0	6·3	
9·8		26·0	45·8	
9·3		44·0	51·7	9·0
10·0		53·0	57·3	8·8
6·4	51	16·0	9·2	6·0 GSπβ
10·2		32·0	22·4	
10·0		37·0	21·4	
10·2		39·5	33·4	
8·6		42·0	9·1	9·2 a
10·0	52	3·5	33·8	
10·2		7·5	2·4	
10·2		22·0	31·0	
8·8		27·0	3·7	9·5 a
	+ 1	28·4	—6·2	

5101—5160.

mag.	14h.–15h. m	s	—27° ′	
9·5	52	35·0	59·7	
9·1	53	7·8	58·3	
9·8		8·0	52·2	
10·2		46·0	55·6	
9·5		48·0	47·6	10·0
10·2		53·0	55·0	
10·2		57·5	54·7	
9·5	54	4·0	40·1	
10·0		21·5	57·1	
8·2		33·0	13·9	8·5 =
8·4		37·0	38·6	9·0 G—
6·5		40·0	33·8	6·0 GSπβ
10·2		57·5	25·0	
9·4	55	33·0	24·8	8·5 G
9·2		46·0	40·8	
7·4	56	8·5	20·6	7·8 GSb—
7·6		35·0	34·1	8·0 GWb—
10·0		42·0	2·4	
7·4	57	5·5	48·4	7·5 GSat
10·2		13·0	53·2	
10·2		39·0	32·3	
10·2		41·9	3·0	
9·3	58	8·9	32·6	
8·6		39·9	47·9	8·8 Ga
9·4	59	21·9	11·4	a
9·3		35·4	38·2	a
10·2		36·9	13·0	
10·2		57·4	9·5	
9·6	0	12·9	36·3	
10·0		20·4	50·1	
9·4		35·7	57·0	
9·5		35·9	14·0	
10·0		44·4	52·7	
9·1	1	21·4	59·9	8·8 a
10·2		26·4	12·3	
8·0		35·9	52·8	7·8 Ga
9·5		41·9	25·2	
10·2	2	0·4	4·6	
9·0		52·1	59·1	9·5 a
10·2	3	5·9	46·7	
9·4		12·9	7·3	
9·5		15·9	56·5	9·0
9·8		19·9	31·3	
10·0		52·9	48·5	
10·2	4	6·9	56·3	10·0
10·2		28·4	31·3	
9·4	5	20·9	9·9	
9·6		24·4	24·9	
9·8	6	13·9	46·5	
10·2		16·4	29·1	10·0
9·4		22·9	15·8	9·0 Ga
10·2		32·9	56·8	
8·6		32·9	4·2	9·2 a
9·5	7	4·9	37·5	
10·2		13·1	57·8	9·0
9·3		15·9	11·3	a
10·2		25·9	58·6	
9·3		32·9	19·2	9·5
10·2		41·9	11·4	
7·4		45·9	23·3	8·2 GSac
	+ 1	29·1	—5·9	

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5161—5220.

mag.	15h. m	s	−27° ′	
9·3	7	48·9	32·1	
7·2	8	11·7	7·8	7·0 GSb
9·5	9	38·9	30·1	9·5 a
10·2	10	5·9	21·0	
10·0		56·4	29·0	
8·7	11	14·4	30·6	9·0 a
9·6	12	53·9	13·4	
7·2	13	0·4	50·0	7·2 GSbc
9·4		57·9	22·3	10·0
8·0	14	3·4	28·2	8·0 a
10·0		7·4	15·0	a
8·2		10·9	11·0	8·4 Ga
10·0	15	26·6	39·7	
9·2	16	2·4	46·7	
8·4		12·9	30·2	8·5 G
9·6		13·4	16·8	
9·2	17	41·9	44·2	
10·0		43·4	47·0	
8·8	18	3·4	28·7	
8·3		8·4	39·1	8·0 GWa
10·0		27·2	1·3	
9·2		40·4	52·2	
8·0	19	16·9	31·9	8·0 GWa
10·0		18·5	58·6	9·0 a
8·4	20	39·4	11·3	8·5 =
9·1		43·4	5·3	
9·0	21	17·4	11·1	9·0
8·7		48·4	16·0	8·5 a
9·4		52·4	12·4	9·5
9·6	22	40·9	29·5	a
9·8		43·4	13·2	
9·1	23	6·4	20·5	9·5 a
9·2		15·9	1·7	
9·6		22·4	18·3	
8·3	24	9·4	58·7	8·0 Gb
9·6		20·4	3·5	
7·8		33·4	44·3	8·5 GWtπ
9·2	25	5·4	47·3	10·0
9·0		14·2	25·3	
10·0		53·2	4·1	
10·0	26	49·7	2·1	
9·2		51·2	41·5	
9·0		53·7	16·9	9·5
6·4	27	3·2	37·5	5·5 GSμβ
8·6		13·2	42·4	9·0
9·4		15·2	13·7	
8·6		15·2	4·1	
9·6		17·2	35·6	
9·6		51·2	12·7	
8·8	28	8·7	47·2	8·5 Wa
9·1		33·2	31·7	
5·7	29	26·2	43·2	4·0 GSμβ
9·0		46·2	3·4	9·5
7·1	30	40·2	47·5	6·5 GStπ
10·0	31	33·5	57·4	9·0
9·4		56·0	16·9	9·2
7·6	32	2·5	13·9	7·8 GSat
8·7		3·8	6·9	9·0
9·0		16·3	37·9	
8·9		36·3	39·0	
25pr.	+1	30·3	−5·3	

5221—5280.

mag.	15h. m	s	−27° ′	
8·5	33	27·8	39·5	
8·9		49·3	24·7	9·0
9·0		55·8	27·6	
9·0	34	0·8	42·9	
9·5		9·3	1·6	
9·1		13·3	43·9	
9·3		32·9	13·8	
9·5		52·3	35·1	
9·5		54·4	3·7	
9·0	35	4·9	33·2	
8·7		15·4	47·6	8·8 a
9·5		22·4	2·8	
8·2		27·9	34·5	8·5 Ga
9·4		31·4	35·3	9·0
8·5		35·4	45·0	8·2 a
8·4		52·9	20·9	
9·5	36	1·4	25·3	
8·7		39·4	41·6	8·0 Ga
8·7		48·4	3·4	8·5
9·5	37	6·4	21·0	
9·0		43·9	30·3	9·0 a
9·5		48·9	28·9	
9·1		49·4	47·6	
9·3		52·9	34·6	
9·4		55·4	7·6	
8·9	38	2·4	14·0	8·5
9·4		11·9	44·3	
9·5		31·4	53·7	
8·5		34·4	40·7	9·0
7·6		36·4	40·0	6·5 GSa
8·9		39·4	32·1	
9·1		50·7	2·0	
9·5	39	2·4	24·1	
9·0		36·9	59·9	
8·9		42·4	2·9	
9·0		58·9	27·5	
8·9		58·9	53·0	
8·9	40	10·4	26·2	
9·0		22·4	4·8	
8·9		29·4	27·9	
9·4		52·6	2·2	
9·5		59·3	0·5	
9·0	41	2·6	26·3	
7·7		7·1	11·7	8·2 Ga
8·9		21·6	54·8	9·0 G
9·5		27·6	21·1	
8·4		32·6	5·5	8·5 Ga
9·4		35·6	46·8	
8·1	42	13·6	29·7	8·5 −
9·0		14·6	55·9	
9·0		23·6	11·2	
9·0		25·6	48·6	
9·0		25·6	9·3	
9·4		27·1	26·1	
9·4	43	5·1	54·5	
9·3		35·6	9·1	
8·9	44	2·6	32·7	
8·9		21·6	49·9	
9·2		44·6	45·8	
9·2		56·6	34·5	
	+1	31·0	−4·8	

5281—5340.

mag.	15h. m	s	−27° ′	
8·9	45	40·6	47·0	
8·5		51·6	18·9	8·0 G=
9·5		56·6	26·9	
9·2	46	2·6	7·1	
8·7		15·6	49·1	9·5
9·2		21·6	16·5	10·0
9·5		23·6	55·7	
9·0		32·6	23·3	
9·4		39·6	22·7	
8·9		41·1	43·1	a
8·4		49·1	11·3	8·5 Ga
9·1		49·6	21·5	
9·0		53·6	44·5	a
9·0	47	19·1	19·7	G
9·5		22·6	17·1	
9·2		23·6	58·9	
8·4		23·6	31·8	8·8 Ga
9·5		31·8	23·2	
9·4		43·8	43·8	
7·9	48	5·0	59·4	8·0 GSa
8·4		9·8	34·9	Ga
9·2		25·3	13·7	
8·9		32·3	50·2	
8·9		35·8	53·5	
9·0		40·8	58·1	
8·6		45·8	41·1	Ga
9·5	49	1·8	41·0	
9·5		2·8	40·8	
9·3		7·8	42·8	
8·9		13·3	57·2	
9·3		22·8	50·7	
8·6		33·8	25·4	8·5
7·9		35·8	16·4	7·5 GSac
9·4		50·3	34·6	
8·9	50	25·8	5·0	
9·5		51·3	36·6	
8·8		52·8	35·6	
8·3		53·8	56·4	8·5 a
9·2	51	1·3	14·2	
9·0		2·8	18·1	
8·7		18·3	40·8	9·5 a
9·2		28·8	20·3	
9·2		38·8	43·1	9·0 Ga
9·4		41·3	41·7	
9·2		42·3	43·3	
9·3	52	7·3	53·9	
8·9		26·8	10·2	a
9·2		32·8	30·3	
9·5		37·8	30·0	
8·8	53	3·8	6·8	
8·3		22·8	37·4	9·0 a
8·7		30·4	58·8	8·5 a
9·5		30·9	15·0	
9·0		37·1	43·1	
9·5		42·3	16·9	
9·5		46·8	48·2	
9·4		55·2	10·7	
9·4	54	6·7	57·1	8·8
8·6		13·7	24·8	
9·3		20·2	23·1	
	+1	31·5	−4·5	

5341—5400.

mag.	15h.−16h. m	s	−27° ′	
9·5	54	21·0	59·8	
8·9		26·2	23·0	
9·4		33·7	33·6	
9·5	55	3·2	15·2	
8·4		31·5	47·9	9·0
9·6	56	26·0	14·4	
8·8		42·0	15·8	
9·6		46·0	45·9	
9·3	57	7·0	31·6	
9·6		47·5	2·9	
9·6		56·0	15·2	
8·9	58	19·0	25·6	9·5
9·6		26·5	46·9	
9·0		28·0	28·9	8·5 −
8·7		49·5	21·9	9·0
8·1	59	17·5	22·6	8·2 Gatπ
9·6	0	3·5	27·6	
9·2		17·0	35·3	
9·6		17·5	31·9	
9·6		21·5	18·0	
9·6		24·3	18·1	
8·2		26·8	23·6	7·5 Gctπ
8·6	1	20·3	51·1	9·2
9·5		28·3	35·4	
8·8		51·3	45·5	
8·4	2	0·3	33·6	7·5 Gka
9·4		4·8	47·3	
8·8		13·3	16·8	9·0
9·5		25·8	17·2	
9·6		32·3	13·2	
9·6		52·8	4·9	
9·4		55·3	50·7	
8·0	4	11·3	13·4	8·0 Ga
9·2		28·3	58·7	
4·7		36·3	35·9	5·2 GSμβ
8·1	5	0·9	59·9	8·0 a
9·4		2·8	17·7	
7·9		8·3	48·5	8·0 Gatπ
8·2		47·3	4·8	a
8·6	6	6·3	28·1	9·0
7·9		14·8	56·0	8·0 Ga
9·0		19·3	35·4	
9·0		32·3	28·8	
9·4		36·3	34·5	8·8
9·6	7	7·3	20·0	
9·6	8	32·8	32·4	
8·6		38·8	50·9	9·0 −
9·0	9	27·8	11·8	
7·5	10	32·8	43·8	7·0 GSac
7·9	11	23·3	58·8	7·8 GSac
9·6	13	52·8	37·8	8·5 a
8·7	15	21·8	34·9	8·0 Ga
8·8	16	12·3	3·5	9·5
9·5		52·8	40·6	
10·2	17	25·6	10·2	
9·0		28·1	22·5	8·5 Ga
9·1		33·1	25·9	8·8 a
8·6	18	5·7	31·7	9·0 a
10·0		39·8	21·7	
8·4		46·0	24·0	8·5 Ga
	+1	32·0	−4·1	

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5401—5460.

mag.	16h. m s	—27° ′	
9·3	18 58·1	5·0	
9·8	19 22·6	1·0	
9·2	20 11·1	0·7	
10·0	21 17·6	38·3	
9·1	32·6	5·7	9·0 –
10·2	46·1	17·0	
9·1	53·1	17·4	
7·0	22 32·1	38·2	7·0 GSac
10·2	23 37·1	19·8	
9·6	46·6	40·7	
10·2	50·6	23·0	
10·0	24 17·6	45·6	9·5
10·2	25 20·6	57·8	
8·2	27·1	50·8	8·0 Ga
10·0	40·1	15·5	
9·6	26 31·1	21·0	
10·2	53·1	28·2	a
10·0	27 6·1	10·4	
9·6	12·6	3·6	
10·2	17·1	2·0	
10·0	18·6	37·0	
9·4	34·1	10·3	
10·2	36·1	48·4	
9·8	37·1	40·4	
9·6	41·1	56·6	
10·2	47·4	47·4	
3·0	28 6·4	57·1	3·0 GSμβ
9·4	35·9	13·4	9·5 a
9·6	37·4	29·4	
9·6	42·9	8·6	
9·3	29 1·4	52·0	
9·6	6·4	3·7	
9·8	10·9	45·8	
9·8	20·4	35·6	
10·2	31·9	29·6	
9·6	54·4	53·0	
9·2	30 3·9	37·8	
10·2	6·4	47·2	
10·2	13·4	9·5	
9·8	22·4	57·1	8·0
10·2	31 15·2	58·0	
8·3	17·9	43·8	8·2 a
10·2	44·7	50·8	9·5
8·2	47·4	2·2	8·5 a
10·0	52·4	24·3	
9·8	53·9	48·3	
10·2	32 21·9	18·6	
8·0	25·9	44·8	7·6 a
10·2	30·9	32·8	
9·3	50·9	51·2	
10·2	33 7·4	7·4	
9·6	21·4	40·2	
9·8	42·4	50·6	
10·2	46·2	31·3	
7·8	51·9	33·8	7·0 GScl
9·8	34 55·4	16·6	
10·0	35 16·9	27·4	
9·6	22·9	43·0	
9·4	25·4	48·6	
9·8	33·9	36·1	
25pr.	+1 32·9	−3·2	

5461—5520.

mag.	16h. m s	—27° ′	
10·2	35 36·9	1·0	
9·6	36 12·4	47·4	
7·4	32·9	13·2	6·5 GScl
9·0	34·4	12·0	9·5
10·0	39·4	2·6	
10·2	43·4	14·4	
8·1	37 4·4	13·2	7·8 GWal
10·0	6·4	12·4	
10·2	17·4	16·5	
10·2	19·4	5·9	9·0
9·1	21·9	41·2	
10·2	22·5	2·5	
9·3	25·9	5·4	9·5
10·0	53·9	54·9	
9·0	38 4·4	38·2	
9·3	13·9	35·3	
10·2	17·4	13·0	
9·4	33·4	51·4	
9·3	36·4	4·9	9·0 a
10·2	50·9	47·3	
8·2	51·2	15·0	8·0 Wa
10·2	53·9	40·4	
10·2	55·9	5·6	
9·4	55·9	27·8	
9·4	39 14·9	5·2	
10·2	23·9	31·4	
10·2	33·4	33·4	
9·2	33·5	42·7	
9·6	39·9	16·6	
9·2	42·7	36·9	
9·8	40 42·0	11·3	
8·8	41 22·0	20·9	8·0 ≡
10·0	29·0	5·3	
9·1	35·5	21·0	
10·0	49·0	14·9	
9·8	51·5	49·0	9·5
10·0	53·5	17·4	
8·3	42 59·0	41·0	8·0 a
8·3	43 16·5	45·8	7·0 Ga
8·8	31·5	44·6	9·0
8·1	36·0	48·3	8·0 Ga
8·8	47·8	0·3	
9·8	44 13·0	48·0	
9·4	30·5	52·1	
10·0	45·5	11·1	9·5
9·6	45 12·5	44·0	
9·2	41·0	51·7	9·0
9·8	47·0	46·3	
8·6	46 10·0	23·8	–
10·0	15·5	56·1	
9·0	25·5	45·1	
8·8	25·5	54·4	8·5
10·0	29·5	56·0	9·0
7·9	40·5	21·6	7·5 al
8·3	47 2·5	32·5	7·5 Gb≡l
9·2	53·5	25·0	
9·0	55·5	23·1	
9·1	58·0	26·5	
9·6	48 1·8	2·5	
9·6	11·5	12·0	
	+1 33·2	−2·9	

5521—5580.

mag.	16h. m s	—27° ′	
8·4	48 25·5	34·7	8·5
9·6	25·5	34·4	9·0
8·3	26·0	53·9	8·2 al
10·0	52·0	2·6	
9·8	49 3·0	19·7	10·0
8·8	5·5	18·9	9·0 –
9·1	12·0	39·1	
9·0	26·0	44·3	
9·8	32·5	41·0	
8·8	41·0	12·3	9·5
7·4	50 6·0	24·6	7·8 Gal
10·0	33·0	35·4	
9·8	47·5	31·2	
10·0	55·8	13·7	
9·0	51 4·0	40·1	
9·8	11·0	1·8	9·0
9·8	16·5	37·0	
9·8	18·5	29·2	
9·2	22·0	18·7	
8·8	33·0	37·8	≡
9·8	52·5	16·2	
9·6	52 6·5	27·4	8·5
9·8	11·5	26·7	9·0
9·0	18·5	45·8	
8·2	20·0	46·6	
9·8	34·5	58·0	
9·4	43·0	21·0	
8·3	51·5	36·2	8·0 =
8·8	56·0	13·8	9·0
10·0	53 7·5	3·0	
9·2	19·0	15·6	9·2
8·8	26·3	57·2	9·0
7·9	33·0	3·8	7·5 GWal
9·3	41·5	5·2	8·5 Wa
9·0	48·5	9·1	9·2
7·6	54 6·5	45·2	Gb≡
9·8	7·0	53·9	
10·0	10·5	58·8	
8·8	22·0	20·6	8·5
9·0	36·0	41·0	
9·3	52·5	8·1	
9·4	55·5	56·6	
9·0	55 19·5	7·2	
9·2	22·7	28·2	
9·1	46·2	26·0	8·5
9·4	55·2	56·0	
10·0	56 14·7	8·2	
8·1	15·7	2·1	7·8 GWa
8·6	25·2	49·6	9·5
9·4	46·2	49·5	
9·4	54·7	20·6	
8·3	57 0·2	19·0	8·0 a
9·8	0·7	2·6	
8·8	6·2	12·2	8·5 Ga
9·8	12·8	59·7	
10·0	39·2	46·6	
10·0	59 32·5	14·6	
10·0	43·2	57·7	G
8·5	47·2	33·8	7·5 b
8·6	52·4	31·9	8·0 b
	+1 33·5	−2·4	

5581—5640.

mag.	17h. m s	—27° ′	
9·3	0 27·9	56·2	8·0 G–
9·3	58·4	28·4	7·5 a
9·4	1 13·0	15·1	
8·8	13·4	43·7	bl=
9·2	17·4	13·9	Wb
9·6	19·6	57·8	9·0
10·4	30·1	34·7	
8·6	41·8	55·5	9·5
10·4	52·6	16·2	
9·4	57·6	29·8	
9·5	2 17·1	41·6	
7·7	19·6	36·6	7·0 Gal
10·1	3 10·1	54·2	
6·4	4 35·1	36·3	6·5 GScl
8·8	5 30·1	50·0	9·5
10·4	6 6·1	57·7	
10·2	11·6	45·8	
7·4	12·1	38·6	7·0 GScl
10·0	41·6	41·5	
10·0	7 13·6	40·8	
8·8	32·6	49·4	8·8 Gatπ
10·2	8 18·6	9·6	
8·1	41·6	25·0	8·0 GWa
10·4	45·6	34·0	
8·0	9 37·6	37·6	7·0 Gal
10·4	53·1	6·1	
10·1	56·6	45·3	
8·5	10 3·6	37·8	7·5 a
9·6	20·6	56·9	
8·8	23·6	59·2	
10·0	26·6	59·9	
10·2	27·6	7·6	
9·2	29·9	1·0	
10·4	52·1	55·3	
10·4	54·6	19·6	
10·4	12 6·6	1·6	
10·2	11·1	51·1	
8·3	16·6	38·4	8·0 G≡
9·6	17·6	26·8	
8·2	21·1	57·8	9·0 –
9·5	31·1	31·0	
10·4	33·1	13·6	
10·0	50·6	25·9	
9·6	54·6	30·8	
8·2	13 6·1	12·8	8·0 al
9·6	14·1	49·7	
8·2	16·6	17·2	7·5 GWal
8·5	14 25·6	52·7	8·8 GWb≡
10·3	33·6	55·2	
9·2	36·6	39·9	9·8 Gb
8·8	55·6	33·1	8·8 Wa
9·5	15 4·8	34·2	
10·2	7·3	41·8	
9·8	17·3	33·9	
10·4	20·3	56·4	
9·2	25·8	50·8	9·2 W
10·4	26·8	38·7	
10·4	39·8	27·2	
10·4	45·8	51·4	
10·4	50·3	56·2	
	+1 33·8	−1·8	

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5641—5700.

mag.	17h. m s	—27° ′	
9·6	15 52·3	46·2	
10·1	16 0·3	18·3	9·0
9·4	19·9	57·2	
9·1	54·8	39·4	9·5
9·1	55·8	54·3	
10·2	56·8	32·0	
10·4	17 26·8	46·0	
9·6	52·3	33·4	
10·4	18 0·8	33·6	
7·7	15·8	29·1	8·0 GSlπ
10·4	25·3	43·5	
10·4	32·3	9·0	
10·4	45·8	23·2	
9·8	52·8	16·8	
9·8	53·8	57·1	
9·5	54·8	8·1	
10·4	19 10·6	1·1	
10·1	26·8	56·4	
9·8	26·8	45·7	
10·4	52·8	28·7	
10·0	20 56·8	56·8	
10·1	21 25·3	8·0	
8·6	22 45·3	6·1	9·2 a
10·4	55·1	44·7	
9·0	23 25·4	57·2	9·5 G
9·8	47·6	59·6	
9·6	24 2·6	13·6	
10·4	6·6	57·7	
10·4	15·8	8·5	
9·5	33·4	50·6	
9·0	25 31·0	22·5	9·0 –
9·3	27 36·4	16·6	
10·2	46·4	5·0	
9·8	55·9	25·5	
9·8	28 42·4	47·2	
10·2	29 12·4	32·9	
9·3	14·9	1·1	8·8 a
10·1	52·4	0·8	
8·4	30 19·7	58·1	7·5 GSbc
9·5	30·4	54·1	
9·3	33·4	17·8	
9·8	33·4	7·4	
9·5	38·9	8·3	
9·8	40·4	56·4	
10·2	55·9	44·4	
10·2	31 8·9	32·2	
10·2	10·4	38·7	
8·8	20·4	21·8	9·0 a
9·9	42·7	57·2	
9·6	32 2·4	19·2	
10·0	3·4	28·5	
10·2	13·4	52·7	
10·2	37·4	9·2	
8·4	51·4	49·2	8·2 GSac
9·5	51·4	49·9	
10·1	51·4	58·7	
10·2	53·4	29·3	
9·0	53·4	57·7	9·3
9·0	33 2·4	19·4	8·5 Ga
9·3	5·4	32·1	
25pr.	+1 34·0	−1·3	

5701—5760.

mag.	17h. m s	—27° ′	
10·0	33 6·9	45·3	
9·2	12·4	15·0	
10·2	16·4	40·9	
10·0	28·4	14·7	
10·0	32·4	39·0	
9·9	35·6	1·4	
9·8	43·9	29·4	
9·6	45·9	21·8	
9·7	46·4	52·7	
9·7	47·9	50·2	9·5
10·2	49·9	32·6	
10·2	55·9	33·6	
9·9	59·4	4·6	
9·8	34 6·4	12·8	
9·3	22·4	31·9	
9·8	24·4	50·2	
9·6	26·4	32·0	
10·0	38·4	31·7	
10·1	50·9	50·6	
8·6	58·4	46·7	9·0 GW
9·9	35 6·9	36·3	
9·5	22·4	43·4	
7·5	25·9	49·3	7·0 GSlπ
9·7	27·4	49·0	9·5
9·3	28·4	17·0	
8·9	31·4	10·7	9·0 Ga
9·2	33·4	11·9	
9·7	33·4	32·8	
10·0	37·4	45·4	
9·8	46·4	23·2	
9·8	57·9	28·6	
9·0	36 8·9	52·2	9·0
9·5	13·4	32·0	
8·5	22·9	23·8	9·0 a
9·1	23·4	42·0	9·5 b
9·8	29·0	58·0	
9·8	43·4	37·3	
8·4	55·9	10·2	9·0 Ga
9·8	37 2·4	12·7	
10·1	3·9	30·2	
10·2	10·9	42·6	
8·8	16·4	24·1	9·5 –
10·0	22·4	39·6	
10·0	26·4	42·3	
8·4	30·7	59·3	Wa
9·1	33·4	23·2	
10·0	42·4	49·1	
10·2	50·4	29·9	
10·2	57·7	58·8	
8·8	38 0·4	9·7	9·2 a
10·2	2·4	5·9	
9·5	27·1	0·7	
9·5	32·4	1·5	
9·8	36·4	43·7	
9·7	37·4	8·1	
10·2	38·9	16·8	
9·8	39·9	38·8	
9·3	40·4	23·0	8·5 a
9·3	41·4	32·8	
9·8	39 15·4	40·9	
	+1 34·1	−0·9	

5761—5820.

mag.	17h. m s	—27° ′	
9·5	39 27·4	44·9	
10·2	40·4	56·7	
9·8	41·4	33·8	
6·7	42·4	46·8	4·5 GSμβ
10·2	44·9	54·1	
10·0	55·4	26·4	
10·1	59·4	57·5	
10·0	40 6·4	41·8	
9·5	13·9	11·9	
9·1	16·4	23·8	
9·6	21·2	58·1	8·5
9·5	24·4	58·1	
9·8	26·4	42·2	
9·5	31·4	25·5	
9·5	40·9	19·5	
9·8	42·4	52·7	
10·2	43·5	19·0	
10·2	46·4	23·9	
10·1	48·4	53·2	
10·1	50·9	51·8	
10·1	52·7	2·7	
9·3	56·0	58·3	
10·1	41 5·5	19·1	
10·1	8·5	19·3	
10·1	21·5	31·3	
9·3	23·5	38·5	
9·8	25·0	9·4	
8·8	28·5	25·7	9·0 Ga
10·2	36·5	26·2	
10·2	39·0	6·9	
9·9	40·0	28·9	
9·6	46·5	9·1	
9·3	47·0	21·2	9·0 a
10·2	58·0	55·3	
9·0	42 7·5	46·1	
10·2	10·5	46·4	
9·5	17·5	40·4	
10·2	24·0	27·4	
9·5	24·5	18·2	
9·5	27·0	1·5	9·2
10·0	32·5	23·0	
7·7	32·5	1·2	8·0 GSlπ
10·2	43·5	36·8	
10·2	43 14·2	40·5	
9·6	16·0	24·2	
9·0	17·0	21·2	9·0 a
8·3	17·5	47·4	9·0 –
10·1	30·0	9·7	
9·5	31·5	19·4	
9·5	41·0	10·0	
8·9	50·5	55·5	
10·2	53·5	15·0	
9·8	44 1·5	14·2	
9·2	2·5	30·7	
9·5	3·5	10·7	
9·8	7·5	33·4	
10·2	12·5	23·9	
9·3	14·0	20·9	
10·2	17·5	49·1	
9·2	18·5	8·3	
	+1 34·2	−0·7	

5821—5880.

mag.	17h. m s	—27° ′	
9·7	44 21·0	47·2	
8·8	22·5	42·2	
8·5	22·5	18·3	
9·7	26·0	21·1	
9·6	28·0	12·4	
10·1	32·5	11·5	
9·4	36·5	6·4	
10·0	37·0	55·8	
9·4	41·5	3·0	
8·4	46·5	3·5	9·0 Wa
10·1	58·5	20·1	
10·2	45 2·5	0·9	
10·1	3·5	23·1	
9·8	5·5	32·7	
9·7	6·5	9·7	
10·2	7·0	34·0	
9·1	10·5	42·9	
9·4	12·5	50·4	
8·0	25·5	35·7	al
9·4	26·0	33·8	
9·6	28·5	27·7	
10·0	36·5	24·2	
10·1	37·5	37·5	
10·0	42·5	43·1	
7·5	44·0	15·1	7·0 GScl
9·0	48·5	7·4	9·5
9·9	56·5	1·9	
10·2	46 3·5	6·3	
10·1	5·5	45·0	
9·8	6·5	44·5	
9·9	7·5	13·2	
10·2	8·5	39·2	
10·2	16·0	57·8	
10·0	16·5	42·0	
10·0	22·5	4·5	
10·2	33·0	39·9	
9·8	33·0	19·5	
9·3	37·5	15·9	9·5 –
9·8	45·4	6·3	
10·2	45·5	18·7	
8·9	48·5	56·7	9·5
10·2	55·5	26·6	
10·0	58·2	45·8	
10·2	47 0·2	41·7	
9·4	2·2	34·3	
10·2	10·0	39·8	
9·8	15·5	45·6	
9·2	15·5	30·8	
10·2	20·3	58·9	9·0
9·8	25·4	42·5	
10·2	26·1	57·4	
10·0	27·4	54·2	
10·0	39·0	31·4	
9·3	40·3	38·1	
10·2	43·1	21·3	
8·8	44·8	46·2	
10·4	48 0·8	44·9	
9·8	2·3	0·6	9·2 Wa
9·8	7·8	21·5	
10·4	11·8	35·5	
	+1 34·2	−0·5	

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5881—5940.

mag.	17h. m	s	−27° ′	
9·8	48	17·0	0·0	·9·0 Wa
9·3		20·8	12·9	
10·4		30·8	32·5	
9·9		37·8	25·9	
9·0		41·3	37·0	
9·9		42·3	56·2	
9·3		45·6	57·8	
10·4		45·8	51·8	
9·2		46·3	10·3	
10·3		48·0	59·5	
9·5		55·8	28·8	
9·8	49	6·8	53·1	
8·2		6·8	6·7	8·8 Wa
10·4		11·8	13·9	
10·3		13·3	45·5	
9·3		16·8	7·6	
10·4		20·8	53·5	
9·0		32·8	52·7	
9·0		44·3	33·2	
10·0		45·3	49·5	
10·4		46·8	12·3	
10·3		52·8	25·8	
9·8		56·8	50·0	
10·0		57·3	6·6	
9·5	50	5·8	23·8	
8·8		11·3	27·4	
10·2		11·3	47·4	
9·9		12·7	47·4	
9·8		13·2	59·4	
10·2		13·8	51·9	
10·4		23·4	0·4	
8·8		26·7	25·2	
10·0		26·7	8·8	
9·2		32·7	19·4	
9·9		32·7	40·0	
10·0		43·7	25·8	
8·3		45·7	30·2	a
10·3		45·7	53·6	
8·3		51·7	28·8	
9·6		59·2	16·1	
8·7	51	6·7	22·0	a
10·3		7·2	29·0	
10·4		8·7	28·2	
9·6		10·7	8·8	
9·2		13·2	51·0	
8·9		20·7	6·8	a
10·0		24·7	17·4	
8·5		25·7	56·8	9·5
10·0		27·7	14·6	
8·7		27·9	0·7	9·5 –
10·4		40·7	51·8	10·0
9·2		46·7	3·4	8·2 Ga
9·6		55·7	12·9	
10·3		57·7	5·6	
10·3	52	1·7	14·6	
9·3		1·7	37·0	9·0 a
10·3		2·7	24·8	
10·4		5·7	32·0	
8·9		11·7	43·4	10·0
10·4		15·7	6·0	
25pr.	+1	34·2	−0·4	

5941—6000.

mag.	17h. m	s	−27° ′	
10·4	52	20·5	43·8	
8·7		21·2	35·8	9·0 a
10·4		22·2	59·8	
9·5		25·7	54·8	
9·4		26·7	13·0	
10·3		31·2	46·0	
10·4		31·5	41·1	
10·3		31·7	49·0	
9·4		32·2	35·0	
9·6		35·6	16·2	
10·4		37·6	8·8	
8·4		39·1	42·7	9·5 a
9·3		49·1	37·3	
10·2		49·6	9·8	
10·3		53·6	4·0	
10·4		55·6	53·2	
10·4		57·1	14·0	
10·0	53	1·6	25·4	
10·4		7·1	33·5	
9·2		12·6	43·8	9·5
10·2		16·1	58·0	
9·5		17·1	43·1	
9·9		18·6	43·3	
10·2		20·5	10·7	
9·9		26·6	13·7	
10·4		32·5	28·3	
10·0		32·6	40·6	
7·7		42·1	40·4	8·5 a
10·4		44·1	31·8	
8·5		44·6	39·6	9·5 a
9·8		45·6	49·0	
8·9		49·9	57·0	9·5
10·3		52·6	47·0	
9·8		52·8	0·6	9·5
9·5		54·6	37·2	9·5
9·5		55·6	32·8	
9·0		59·1	52·2	9·0 W–
9·5		59·1	59·5	
9·3	54	1·6	43·0	
10·3		2·6	31·8	
10·2		2·6	39·8	
10·4		6·2	59·9	
10·4		9·1	26·1	
10·3		11·6	52·3	
7·5		11·6	30·4	8·5 a
9·8		11·6	48·7	
9·8		12·6	28·0	
10·2		15·6	17·4	
9·8		18·6	22·3	
9·6		21·6	54·9	
10·3		22·1	3·8	
10·3		24·5	52·4	
10·4		25·5	42·3	
10·0		26·1	55·1	
10·0		27·6	20·8	
9·6		27·6	42·5	
10·3		31·6	53·1	
10·4		32·6	26·6	
10·0		33·6	33·8	
8·8		34·1	56·7	9·0 G
	+1	34·2	−0·2	

6001—6060.

mag.	17h. m	s	−27° ′	
10·4	54	40·6	52·4	
9·3		41·6	46·4	
9·6		45·6	58·0	
9·8		46·1	16·1	
10·3		53·6	52·2	
8·0		55·6	4·6	8·8 ≡
10·4		55·6	51·3	
9·6		56·6	17·1	
9·9		59·1	50·0	
10·2	55	0·6	18·4	
8·0		2·6	49·3	7·5 GWbl
9·8		5·1	28·8	
10·3		5·5	16·1	
10·2		5·6	6·2	
10·2		5·6	43·3	
10·3		12·6	4·6	
8·7		16·6	19·4	
10·0		17·6	28·1	
10·2		18·1	53·2	
8·2		19·1	51·6	9·5
9·2		20·6	6·7	
10·4		29·0	53·3	
9·6		29·1	52·0	
8·7		30·1	52·8	9·5 G
10·4		32·0	54·1	
10·0		32·5	52·8	
9·4		32·6	53·4	9·0 G
10·4		33·0	56·0	
9·5		34·1	53·7	
9·3		35·1	51·2	
8·6		35·6	32·9	
10·3		37·5	46·1	
9·5		38·6	54·7	9·0 G
9·5		38·6	53·3	
10·0		39·1	38·0	
10·0		43·1	1·1	
9·0		45·6	10·2	
9·0		45·6	13·2	
10·4		45·6	52·0	
10·3		46·1	27·6	
8·9		50·6	15·3	
9·2		51·6	5·9	
10·0		53·1	15·4	
10·4		57·1	23·7	
9·8		57·8	58·3	
8·4	56	0·6	18·2	
9·8		1·6	29·2	
8·4		1·6	43·8	Wa
9·8		2·1	15·2	
8·6		3·1	44·4	Wa
9·8		6·6	15·5	
10·3		10·1	33·4	
10·0		14·2	53·2	
10·3		20·6	38·0	
9·4		26·1	24·7	
10·0		28·6	22·5	
7·6		31·6	23·3	8·5 –
10·3		31·6	9·6	
9·2		33·1	38·8	
10·4		34·1	10·4	
	+1	34·2	−0·1	

6061—6120.

mag.	17h. m	s	−27° ′	
9·4	56	35·1	47·0	
10·2		40·6	52·5	
10·2		41·6	48·5	
9·8		41·6	29·4	
10·3		45·1	18·7	
9·9		46·6	9·8	
9·2		49·1	52·0	9·0 Wa
9·6		50·1	38·2	
10·4		51·2	6·3	
10·4		52·1	39·7	
9·5		53·6	31·2	
9·6	57	7·6	34·6	
9·3		8·1	37·3	
10·4		8·1	7·8	
10·4		11·1	58·6	
8·4		12·6	5·4	9·0 –
9·4		13·1	55·8	
9·0		13·6	48·2	
8·6		15·6	7·8	8·5
9·8		17·6	11·5	
9·6		19·1	35·5	
8·7		20·6	10·0	
8·6		21·6	33·3	
9·4		21·6	52·7	
10·0		21·6	53·9	
8·8		26·6	32·8	
9·0		26·6	50·7	
8·4		27·6	42·0	9·0 a
8·7		27·6	50·3	8·0 GWa
10·3		27·6	9·1	
9·5		27·6	8·3	
10·0		27·8	57·9	
10·4		31·6	30·0	
10·0		34·6	14·4	
9·4		35·6	18·1	
10·3		37·1	55·8	
10·2		38·0	58·1	
9·4		41·1	55·6	
9·6		42·6	25·1	
10·4		46·5	21·9	
9·8		46·6	5·0	
9·0		47·1	54·0	
9·9		49·3	59·4	
10·4		55·6	59·3	
8·8		57·6	49·6	
9·9		57·6	50·4	
9·5		58·1	52·0	10·0
10·4		58·6	3·9	
10·0	58	1·6	0·6	
9·2		2·6	47·7	9·0 W
9·8		3·3	57·5	
8·4		4·6	4·3	9·5
9·4		10·6	31·8	9·0
9·5		11·1	26·1	
9·0		14·1	49·6	
9·3		17·6	30·3	10·0
10·4		18·6	4·9	
10·4		21·1	4·7	
9·9		21·5	4·0	
10·3		21·5	51·0	
	+1	34·2	−0·1	

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6121—6180.				6181—6240.				6241—6300.				6301—6360.			
	17h.–18h.	—27°			18h.	—27°			18h.	—27°			18h.	—27°	
mag.	m s	′		mag.	m s	′		mag.	m s	′		mag.	m s	′	
8·0	58 22·1	29·9	8·0 G–	10·4	1 6·5	5·1		8·9	4 20·3	27·2		9·2	7 25·6	55·3	
9·8	22·6	39·1		10·4	6·5	16·3		10·0	23·3	24·8		9·4	27·1	8·4	
9·6	25·5	33·0		10·3	12·0	14·1		9·9	24·3	17·1		9·6	29·1	55·8	
9·6	27·0	38·1		10·3	15·5	12·0		10·3	25·3	44·8		9·3	32·6	32·8	
9·8	27·5	18·0		9·8	17·0	5·0		8·9	25·3	58·9		9·6	35·1	24·6	
9·2	35·5	44·4		9·9	22·0	52·5		9·6	25·3	50·6		10·2	35·1	8·8	
10·0	42·5	44·4		10·4	24·4	46·6		10·0	26·3	7·1		10·3	38·1	54·9	
10·4	45·7	0·0		8·4	24·5	45·1	8·0 GWal	9·2	32·3	39·2		10·0	45·1	51·0	
9·0	47·0	53·6		10·3	29·0	17·3		10·3	32·3	49·5		10·4	45·8	0·5	
10·2	59 5·5	56·2		10·3	30·0	18·2		10·3	32·3	7·9		10·0	46·1	22·4	
9·6	6·5	43·0		9·6	32·5	58·1		8·6	35·8	56·4	9·0	10·3	47·6	35·0	
8·8	7·5	31·0	9·5	10·0	34·0	7·9		9·3	38·5	0·3		10·0	51·6	49·1	
9·9	9·5	40·7		9·2	41·5	53·2		10·3	45·3	41·0		10·4	8 1·1	18·3	
9·3	10·5	0·3		9·0	47·0	6·3		10·4	45·8	16·0		10·4	7·1	55·9	
8·6	12·0	6·7	9·5 G–	10·3	48·5	35·3		8·6	49·3	10·1	9·5 –	10·0	8·9	37·0	
10·0	18·5	24·4		9·5	51·5	38·1		8·6	50·3	37·9	9·5	10·4	12·4	36·0	
10·2	21·5	5·1		10·2	53·5	13·3		10·4	51·3	11·0		10·2	12·9	22·6	
9·6	25·0	49·9		9·6	57·5	36·7		9·9	53·8	13·8		10·4	14·9	3·0	
9·6	28·5	12·6		10·2	58·4	29·7		9·9	5 0·8	8·0		10·4	17·9	22·7	
10·4	31·5	42·2		9·3	59·5	12·8		10·4	5·3	5·2		9·9	24·4	37·9	
10·4	35·5	28·2		10·4	59·5	36·8		9·6	14·8	26·2		10·4	29·9	22·8	
9·4	40·0	6·3		9·9	2 1·0	3·9		9·4	22·3	38·3		10·4	30·4	22·0	
9·8	40·0	2·6	10·0	10·2	3·0	26·3		7·9	29·3	14·7	8·5 b≡ml	10·3	31·9	48·6	
10·2	42·5	29·0		9·2	8·5	3·0		10·4	29·8	15·4		7·8	32·4	27·0	8·5 GWb–
10·2	46·5	10·7		10·4	11·4	23·2		9·8	30·3	21·3		9·9	34·7	13·9	
9·0	52·5	12·7		9·9	17·4	3·1		10·2	30·8	47·3		8·6	34·9	15·5	–
10·2	55·5	19·1		10·4	22·4	36·2		10·4	31·8	30·7		9·3	34·9	58·0	8·8 Ga
9·9	0 2·5	5·4		9·0	24·4	21·1		10·0	32·3	15·2		10·0	35·9	50·2	
10·4	3·5	9·6		10·4	32·4	9·6		8·7	39·3	55·3		9·5	38·9	28·9	
9·5	5·5	52·1		10·4	33·3	25·1		8·9	42·3	0·0		9·6	40·5	28·3	
10·0	7·5	6·0		10·3	34·4	8·9		10·4	46·8	59·0		10·2	41·4	31·4	
8·8	10·5	8·2	9·5	9·5	37·4	26·0	9·5	9·9	50·3	9·0	10·0	9·9	43·1	12·6	
10·4	13·5	21·7		9·6	41·4	31·3		9·6	52·8	9·3	10·0	9·3	52·4	4·3	
8·0	15·5	19·4	9·0 –	9·2	42·4	45·3		9·2	53·3	43·0		10·4	53·4	22·6	
10·4	16·5	2·8		9·2	45·4	58·6		9·6	54·3	55·9		8·0	9 5·1	45·1	7·5 GSbc
9·0	17·5	44·9		8·4	49·4	26·3	9·5	10·2	58·7	56·2		9·8	10·7	14·2	
10·4	17·5	55·8		9·2	51·9	34·1		10·3	6 13·1	30·9		10·0	14·8	0·9	
10·0	19·5	40·3		9·4	52·4	11·9		10·4	15·1	40·2		9·2	18·9	54·9	
10·4	25·5	47·8		9·2	57·4	10·7		10·0	19·6	18·0		10·2	20·9	38·9	
9·6	31·5	25·0	9·5	10·2	3 4·4	59·9		10·3	19·8	0·2		10·3	20·9	42·8	
9·3	32·0	27·1		10·2	6·9	23·4		7·6	20·1	31·9	8·0 Wb–l	10·4	21·9	22·3	
10·4	33·5	28·9		9·2	8·9	24·8		10·0	21·1	29·4		10·0	23·1	38·7	
8·4	34·0	39·4	8·0 GW–	10·4	10·9	47·1		10·3	25·1	33·2		10·0	28·1	5·6	
10·4	35·5	46·7		9·8	24·9	13·3		10·3	26·1	36·3		9·3	34·6	32·2	8·8 G
9·0	36·5	31·3		10·4	26·4	45·8		10·4	28·1	25·0		10·4	36·9	43·8	
10·4	40·0	12·3		10·4	29·4	2·6		9·6	31·1	16·2		9·5	38·1	49·7	
10·2	41·5	17·1		9·3	31·9	15·5		8·9	31·6	43·1	9·5	7·2	42·9	54·4	8·0 GMbm
8·1	42·5	52·7	8·0 Gal	9·2	36·4	9·5		9·8	33·1	12·0		9·8	45·9	19·0	
10·4	47·0	36·3		10·4	37·3	20·7		10·4	35·3	0·5		10·4	47·4	35·4	
9·0	47·5	19·7	9·5 G	10·4	42·4	0·7		10·4	37·1	13·0		8·3	48·5	56·4	9·0 b
10·4	53·5	18·6		9·2	42·4	25·2		9·6	39·1	31·7		9·2	49·9	48·5	
10·2	56·5	3·2		10·3	45·4	7·9		10·4	43·1	35·8		9·0	50·7	58·9	
9·2	57·0	32·5		9·9	46·4	56·1		10·3	55·1	12·0		9·0	52·2	54·2	9·0 Ga
10·4	1 0·4	50·3		10·0	48·4	20·0		10·3	7 0·6	38·6		10·0	53·9	58·8	
10·4	1·5	21·6		10·3	4 4·4	22·9		10·4	2·6	5·3		9·6	54·4	19·2	
8·4	2·0	47·9	8·0 GWal	8·9	7·4	50·2	9·0	10·3	4·6	29·0		8·5	10 1·4	23·8	7·5 b–l
10·3	5·5	49·7		9·8	15·4	4·8		9·2	8·1	50·1		10·4	1·9	16·5	
10·4	5·5	50·7		9·8	15·4	5·9		9·8	12·6	35·9		9·6	11·9	27·2	
10·4	6·4	38·6		9·9	19·4	45·3		10·2	18·1	32·5		7·1	13·7	5·2	5·0 GSlπ
9·2	6·5	45·2	9·0 W	9·6	19·4	50·9		9·6	22·1	38·1		8·6	17·4	29·2	9·5 Ga
25pr.	+1 34·2	0·0			+1 34·2	+0·1			+1 34·2	+0·2			+1 34·2	+0·3	

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6361—6420.

mag.	18h. m s	−27° ′	
9.1	10 20.9	56.9	
10.2	26.7	59.6	
10.2	34.9	56.0	
9.4	34.9	10.9	–
9.4	37.9	14.2	
10.0	38.9	17.0	
9.6	39.9	58.2	
9.4	51.9	47.1	
10.0	11 1.9	58.1	
9.8	11.9	40.2	
10.2	27.4	42.0	
10.0	44.9	26.6	
9.1	46.4	34.2	10.0
9.5	46.9	41.0	
8.0	52.4	33.1	8.5 am
9.4	53.9	51.5	
8.2	12 29.9	27.3	7.5 Gam
9.5	51.6	56.8	
9.0	52.9	54.3	
8.8	13 9.9	51.6	9.5 a
9.6	15.4	11.1	
10.0	16.9	18.1	
10.2	27.4	50.8	
9.4	30.9	27.1	
9.4	14 18.9	23.3	
10.0	40.2	2.1	
9.8	15 23.4	41.5	
8.0	35.4	33.6	8.0 M=m
8.6	36.4	0.8	9.0 –
9.2	43.9	45.8	
10.2	16 0.4	49.6	
9.1	1.4	21.2	
9.4	17 18.9	33.8	9.0
9.4	28.4	53.5	
9.2	35.9	55.6	
10.2	37.4	27.7	
8.6	46.9	28.3	9.0 a
8.8	54.4	30.3	8.5 am
9.4	55.9	35.3	
10.2	57.9	12.0	
10.0	58.9	16.6	
10.2	18 1.4	53.3	
9.2	2.8	55.2	
10.2	2.8	17.2	
9.8	5.3	12.2	
8.3	8.8	23.8	8.8 am
9.1	13.8	51.8	9.0
9.1	18.3	32.4	
10.0	28.8	8.0	
9.0	30.3	53.0	9.5
10.2	45.3	33.3	
9.5	19 1.3	25.2	
10.2	37.8	25.6	
9.6	39.8	28.9	
9.4	40.8	2.0	
9.5	52.8	17.4	
10.2	20 2.8	49.5	
10.0	11.8	11.5	
9.9	12.3	37.4	
10.2	32.8	19.7	
25pr.	+ 1 34.2	+ 0.6	

6421—6480.

mag.	18h. m s	−27° ′	
8.8	20 38.3	42.4	
8.5	21 4.8	20.2	8.8 a
9.6	30.3	37.1	
10.0	31.8	55.8	
10.2	37.7	56.6	
10.2	22 5.3	17.0	
9.4	14.8	50.0	
10.2	18.8	55.1	
9.9	22.3	53.4	
8.6	39.3	0.4	8.5 G=
9.5	44.3	34.4	
8.8	45.8	43.6	
10.2	48.3	6.0	
10.2	51.8	4.7	
9.4	23 2.8	5.0	9.5
10.2	8.1	1.6	
9.0	11.8	3.2	7.0 G–
10.2	13.7	43.1	
9.6	20.8	33.7	
9.8	29.5	58.9	
9.6	29.8	56.0	
10.0	31.3	3.8	
9.9	33.7	17.2	
10.0	36.8	22.0	
10.2	24 12.8	5.8	
7.6	25.5	18.3	8.0 Gaml
10.2	28.5	0.7	
10.0	33.5	32.6	
8.8	48.5	16.5	9.0 Ga
8.5	25 47.0	34.6	9.5 =
9.5	54.0	30.6	
10.2	26 4.5	30.0	
10.2	9.0	59.6	
9.8	9.5	11.4	
9.6	14.5	47.2	
8.6	18.5	8.7	
9.9	31.5	24.4	
9.6	35.0	30.2	
10.0	44.5	37.9	
8.4	47.0	39.6	a
10.0	48.5	40.0	
10.2	55.5	45.0	
10.2	27 19.5	0.8	
9.6	22.0	27.0	
10.2	25.0	30.8	
10.0	32.5	12.7	
10.2	43.5	7.0	
8.8	44.0	26.2	8.0 GM≡m
9.2	28 18.5	17.1	8.5 ≡
9.4	40.5	7.6	8.5 –
10.2	49.5	27.7	
9.5	29 0.8	59.5	9.0
8.6	7.0	49.7	9.0 a
9.1	15.5	55.0	9.0 a
9.5	26.0	23.3	
10.2	31.3	27.4	
9.8	32.5	18.7	
9.0	39.5	18.7	
9.9	54.5	51.3	
10.2	57.0	15.5	
	+ 1 34.1	+ 0.9	

6481—6540.

mag.	18h. m s	−27° ′	
9.9	30 4.5	0.5	
10.2	48.0	12.9	
10.0	31 1.5	42.0	
10.2	34.3	33.7	
10.0	32 6.0	19.2	9.5
10.2	7.5	25.0	
10.0	10.8	49.0	
8.8	44.5	39.1	9.0 M=m
9.6	55.0	50.9	
9.6	33 2.5	16.1	
9.6	16.0	35.8	
9.8	31.6	59.2	
9.8	34.5	44.0	
9.6	39.5	21.6	
8.5	57.0	7.0	9.0 Gam
8.0	57.5	33.5	aml
9.2	34 13.5	28.9	
10.1	41.5	38.4	
8.2	35 4.0	45.9	a
10.1	6.0	35.6	
10.1	12.0	35.2	
9.6	18.5	25.9	9.5
9.1	28.5	30.4	8.5 GMam
10.0	31.0	55.0	
9.5	36 12.0	25.7	
10.1	43.0	41.7	
9.0	37 5.3	12.1	
10.1	17.3	5.1	
8.8	25.3	48.1	9.5
10.0	38.2	40.8	
3.6	50.8	7.0	4.0 GS$\mu\beta$
9.5	59.8	28.9	
8.6	38 5.3	54.3	
10.0	10.3	46.2	
7.8	13.3	37.6	7.0 GScl
8.3	27.3	28.3	8.0 Gal
10.1	39.3	24.7	9.0
10.1	58.3	8.5	
10.1	39 5.8	20.5	
9.6	32.8	28.9	9.0
8.8	47.8	52.9	8.5
9.6	51.8	40.7	
10.1	40 0.3	4.0	
8.0	6.3	13.1	b≥l
9.1	9.8	4.5	
8.8	17.8	33.7	a
8.8	30.1	3.1	K
9.4	45.8	15.0	
10.1	53.8	32.2	
8.8	41 23.3	14.6	a
9.2	25.8	51.8	–
10.0	36.8	7.7	
9.5	47.8	44.4	
8.0	48.8	15.8	8.0 GScl
10.0	53.8	7.7	
10.1	42 26.8	48.9	
9.6	34.5	26.9	
10.0	36.0	3.9	
9.2	36.5	17.6	
10.0	44.0	0.3	
	+ 1 34.0	+ 1.4	

6541—6600.

mag.	18h. m s	−27° ′	
9.6	43 13.0	39.5	
9.0	22.0	51.3	
8.8	23.0	7.8	
8.3	38.5	18.3	8.0 GScl
10.0	50.5	49.0	
9.8	44 3.0	11.9	
8.8	8.0	16.9	9.5 G
10.1	11.5	35.6	
9.0	36.0	32.1	
7.9	45 17.0	54.3	8.0 GScl
9.6	33.0	15.6	–
9.8	43.5	35.4	
10.0	44.5	45.8	
10.1	56.0	4.6	
9.8	46 33.0	12.8	
9.2	33.0	36.3	–
8.8	36.0	59.1	Wam
10.0	46.0	1.6	
8.0	51.5	2.6	GSacl
10.0	47 7.5	14.8	
10.0	17.0	21.9	
10.1	24.0	48.8	
10.1	36.0	51.7	
9.0	44.0	40.2	
9.6	48 8.0	9.6	9.0
9.8	21.8	1.7	9.5 –
8.6	37.5	39.8	9.0
10.1	39.0	40.0	
9.1	42.5	27.4	9.5
8.4	56.5	23.8	8.5 G–
8.8	49 40.0	36.9	8.0 Gal
9.5	41.0	39.9	
9.5	41.5	12.9	9.0 –
10.1	50 21.5	45.4	
9.4	24.0	45.0	
10.0	30.0	35.9	
8.5	31.0	11.2	9.2 –
9.6	33.0	11.7	
10.0	53.5	2.9	
8.6	51 9.5	48.9	9.0 =
8.5	31.0	20.5	M=m
9.6	37.3	54.1	9.0 –
9.6	52 28.8	6.5	
9.8	36.3	19.2	
8.0	43.3	48.8	8.5 am
9.8	43.8	33.6	
9.6	53 14.3	13.9	
10.0	21.8	22.9	
8.8	28.1	43.3	9.0 –
9.6	28.3	45.0	10.0
9.0	54 7.7	23.3	9.5
9.2	8.8	16.0	
9.8	17.3	45.9	
9.4	38.3	0.6	
9.2	40.3	14.8	
8.6	55 12.5	31.8	9.0 a
8.8	14.2	18.2	9.5
10.4	28.5	41.1	
9.0	57.7	53.8	9.0 G =
10.4	56 26.0	15.9	
	+ 1 33.8	+ 1.8	

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6601—6660.

mag.	18^{h}.–19^{h}. m	s	−27° ′	
10·2	56	46·0	56·6	
8·8		51·0	18·7	9·5 –
8·6	57	14·0	42·1	9·0 Mam
10·4		17·0	23·3	
10·4		46·0	33·9	
9·2	58	14·5	32·5	
10·2		16·0	44·0	
9·8		16·0	31·8	9·0
9·2		17·0	12·3	
9·8		19·0	5·0	
9·7		23·0	29·9	
7·2		32·0	28·4	8·0 GSlπ
9·6		35·0	43·1	a
9·2		45·5	50·0	
10·4		48·0	47·1	
9·4		58·0	52·7	
5·3	59	8·0	51·1	3·0 GS$\mu\beta$
10·0		10·8	25·7	
9·2		16·3	46·6	
9·6		16·3	18·0	
10·2		16·3	59·0	
9·1		22·8	30·9	9·5
10·4		26·3	42·8	
10·0		40·8	48·4	
10·4		53·3	41·9	
10·4	0	10·8	28·9	
10·2		12·3	49·5	
8·1		22·5	1·7	7·5 GScl
8·5		25·1	2·1	7·0 Ga
9·8		51·8	53·9	
8·8		53·3	54·2	9·0 =
9·8		55·3	28·9	
8·8	1	17·3	25·2	9·0 a
10·4		22·8	55·2	
10·4		32·3	30·1	
9·1		42·3	31·9	
9·4		44·3	23·6	
7·8		57·3	18·6	7·5 GSlπ
10·4	2	29·5	0·0	
9·4		36·8	54·1	
10·4		47·3	47·5	
10·4	3	6·8	20·5	
10·4		12·3	25·9	
9·6		15·3	21·7	
9·4		22·3	15·0	9·0 Ga
10·4		38·5	0·9	
8·2		45·8	16·7	8·5 Gaml
10·2		48·3	24·1	
10·0	4	12·3	0·0	
9·9		19·3	4·4	
9·1		21·8	39·0	
9·2		28·3	14·0	
9·4		43·3	0·0	
10·4		48·8	14·3	
9·6		49·3	33·0	
10·4		58·2	58·6	
10·2	5	5·8	9·9	
9·2		6·3	54·9	a
9·0		12·3	12·4	9·0 G=
9·2		52·6	36·1	8·5 a
25pr.	+ 1	33·6	+2·2	

6661—6720.

mag.	19^{h}. m	s	−27° ′	
10·0	6	1·1	26·6	
7·6		11·6	5·1	7·0 GScl
9·9		22·6	19·5	
9·9		30·6	19·8	
10·0		36·6	30·7	
9·8		40·1	39·6	
7·8		42·6	35·3	8·5 Ga
9·0		42·6	24·4	
9·2		44·1	44·4	
9·9		46·6	0·2	
10·4		50·6	53·5	
8·0		52·6	31·8	8·5 Gam
9·6		56·6	31·2	
10·4		56·6	34·1	
10·4	7	0·6	48·5	
9·4		3·6	44·3	9·0 a
9·7		8·6	45·4	10·0
10·4		8·6	31·2	
10·4		16·1	33·6	
9·2		30·1	48·1	
9·4		31·1	55·6	
10·4		55·6	44·5	
10·4	8	2·1	43·9	
9·6		9·6	26·3	
9·3		9·6	43·4	
10·2		22·6	6·3	
10·2		23·6	11·7	
10·4		27·7	32·9	
10·0		32·1	57·2	
10·4		53·6	22·4	
9·6	9	0·6	6·7	
8·6		2·6	20·6	9·5 a
10·0		7·9	58·6	
10·4		30·1	59·1	
9·6		31·6	48·5	
9·6		33·1	29·1	
9·5		37·1	58·6	
8·6		54·1	28·3	9·0 a
9·0	10	0·1	46·9	9·5
10·0		12·6	53·4	
10·4		12·6	56·9	
10·4		20·1	34·1	
9·4		26·6	7·7	
10·4		35·0	58·0	
10·4		36·9	57·9	
10·4		47·2	40·5	
9·6		48·7	48·6	
10·4		56·7	23·2	
9·7	11	0·7	51·6	a
9·8		14·2	17·5	9·5 G
10·4		43·2	1·0	
9·8		58·7	23·6	
10·4	12	0·2	19·5	
10·4		3·7	9·5	
9·7		20·7	5·1	9·5
9·1		29·7	0·5	10·0 a
9·2		33·7	3·0	9·0 a
10·2		48·7	36·7	
10·2		53·7	8·8	
9·9	13	2·7	8·8	
	+ 1	33·4	+2·5	

6721—6780.

mag.	19^{h}. m	s	−27° ′	
9·2	13	10·7	13·8	
10·4		12·7	3·9	
10·2		17·7	12·7	
8·8		24·2	17·9	8·5 Gb
10·4		56·7	0·0	
9·9		58·7	35·4	
10·4	14	6·7	30·1	
9·6		15·7	19·3	10·0
8·8		18·7	18·8	9·5
10·4		26·7	21·3	
10·0		37·2	1·6	
10·0		37·7	4·1	
10·4		49·2	41·7	
9·4	15	8·2	22·2	
9·5		10·9	59·7	
9·0		11·7	52·1	
10·4		15·7	57·4	
9·8		26·7	27·5	
10·4		30·7	17·4	
10·4		33·0	17·2	
9·5		40·2	55·0	
9·2		40·7	13·4	
9·1		42·2	36·1	a
10·4		51·7	39·8	
10·0		53·4	50·9	
9·6		56·9	44·7	
9·0		58·9	38·2	a
9·4	16	4·9	33·5	
9·9		43·4	28·0	
10·0		46·9	28·5	
10·2		47·9	51·1	
8·5		48·4	15·1	9·0 a
9·4	17	16·9	58·0	
9·2		26·9	10·7	10·0
10·4		40·9	27·4	
9·0		50·4	30·4	
10·4		56·8	1·1	
8·8		59·3	47·6	9·0 am
10·3	18	0·1	26·7	
9·2		32·6	56·0	9·5
10·3	19	13·6	8·7	
9·4		15·6	1·9	9·5 a
10·4		36·1	11·0	
10·4		39·6	39·8	9·5
10·2		45·1	41·6	9·5
10·4		59·7	40·4	9·5
10·3	20	11·0	11·1	
9·4		25·2	47·1	
10·2		29·2	41·5	
9·4	21	52·7	7·1	10·0
8·0	22	5·2	41·2	8·5 GWa
6·8		8·7	14·3	6·0 GS$\pi\mu$
9·2		11·7	6·7	9·0 G
8·8		17·2	36·1	8·5 GWb
9·2		19·2	49·5	Mm
8·6	23	23·7	57·7	9·0 am
10·2		51·2	37·2	
10·4		57·4	58·7	
10·3	24	25·2	48·3	
9·4		47·7	45·9	
	+ 1	33·3	+2·8	

6781—6840.

mag.	19^{h}. m	s	−27° ′	
10·0	24	57·4	55·7	8·5 G
9·4	25	19·4	22·8	9·0 GWam
10·0		21·4	28·0	
10·4		55·4	27·2	
9·8	26	5·4	18·7	9·0 GWm
9·8		7·4	18·6	9·5 G
9·2		12·9	25·7	9·0 GWb
9·4		19·9	6·8	
9·2		22·9	57·6	
9·4		39·9	12·0	
8·6		41·9	25·1	8·5 Waml
8·6		49·9	25·6	9·0 GWa
10·2	27	1·9	53·8	
8·8		24·4	43·2	9·2
8·8		41·4	43·0	9·5
9·4		45·4	2·3	
8·4		47·9	54·1	9·0 am
9·4	29	2·4	22·1	W
8·8		12·9	46·4	9·0 GWam
10·2		17·9	55·1	
10·0		29·2	56·7	9·5 am
10·4	30	2·1	27·0	
8·8		15·1	14·4	10·0
8·8		39·1	38·2	9·0 MW–m
9·6		46·3	57·0	9·0 Ga
10·2		53·8	1·7	
8·6	31	12·6	39·0	8·5 GWam
8·6		16·6	20·7	W
9·4		25·6	46·3	
9·4		32·6	59·9	9·5 a
8·4	32	15·6	49·1	8·8 GWam
9·8		45·6	2·3	–
8·1		48·1	34·8	8·5 Wam
8·6	33	4·6	58·8	7·8 GWal
10·3		5·1	4·3	
10·4		8·6	27·8	
9·4		43·6	33·6	9·5
9·8		55·1	41·7	
10·3	34	9·6	11·2	9·5
10·3		20·8	46·9	
10·4		21·8	48·1	
9·8	35	2·8	6·7	
9·6		32·8	11·5	
8·2	36	38·3	56·2	7·8 GWal
10·3		39·3	14·3	9·5
9·0		42·3	14·4	9·0 G–
10·4		52·1	24·5	
8·2	37	11·8	6·2	8·8 GWa
8·8		32·8	41·7	8·5 GWal
10·4		36·4	26·9	
10·0		44·1	8·5	
10·4	38	3·1	30·3	
8·8		7·1	0·6	9·5 GWa
9·2		16·8	4·0	10·0 Gb
8·0		37·0	34·0	8·0 GWal
9·4		37·8	7·0	
10·0		46·0	45·1	
9·0		50·8	18·1	8·5 G–
10·2		52·8	47·9	
9·8		55·8	58·3	
	+ 1	32·8	+3 3	

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6841—6900.

mag.	19h. m	s	—27° ′	
9·3	39	5·8	45·5	
10·2		29·4	56·0	
8·0		42·3	7·8	8·7 GWa
9·0		49·5	8·5	9·2 a
8·2	40	45·0	23·9	8·5 W–
10·2	41	14·8	39·7	
8·6		44·1	57·0	9·5 –
8·8	42	23·8	26·1	
9·6		33·8	32·6	
10·2		33·8	18·0	
9·8		38·8	7·3	
8·0		43·0	1·7	8·0 GScl
8·4		48·3	35·8	8·8 GWa
8·2	43	3·8	39·7	8·2 GSa
7·3		28·2	47·2	7·7 GSac
10·2		28·2	56·0	
10·2		28·4	41·3	
8·0		36·7	29·3	9·0 G
9·8		37·7	51·5	
10·0		49·7	42·0	
7·6		59·7	23·8	8·0 GScl
9·0	44	2·7	27·5	9·5
10·2		13·7	2·2	
9·4		33·7	20·8	
10·2		42·2	16·9	
9·8		45·7	38·1	
9·8		46·2	1·9	
10·2	45	3·2	32·1	
8·6		3·7	9·4	8·4 Wam
9·0		7·7	12·5	9·2 GWa
10·2		22·7	1·9	
10·2		31·7	54·3	
10·2		33·7	1·1	
9·6		34·2	32·5	
10·2		44·2	46·5	
8·2		44·7	15·7	8·0 GWam
10·2	46	14·7	20·5	
8·[illegible]		18·7	48·7	9·0MWam
8·[illegible]		30·9	1·1	7·8 GWal
8·[illegible]		50·2	40·5	8·8 Wa
10·[illegible]		53·7	8·0	
10·2	47	8·7	6·7	
10·2		12·7	5·0	
8·8		26·7	25·9	8·5 GWa
10·2		39·7	41·8	
10·2		43·7	10·0	
9·6		47·7	8·7	
9·0	48	39·2	2·0	9·0 W–
8·2		53·5	57·0	8·8 GWam
10·2		59·0	49·8	
9·6	49	15·5	5·6	
6·8		16·5	29·8	4·8 GSμβ
9·8		21·5	39·2	
9·4		28·5	56·2	
9·4		37·0	3·9	9·5 –
10·2		38·5	37·0	
9·4		45·5	51·0	W
9·6		53·5	50·9	Wa
9·4		57·5	31·8	
9·0	50	31·0	34·6	a
25pr.	+1	32·4	+3 7	

6901—6960.

mag.	19h.–20h. m	s	—27° ′	
9·6	50	32·5	22·4	
10·2	51	3·5	50·6	
8·6		28·5	34·8	8·5 GWa
10·0		29·5	16·2	
10·2		47·0	40·2	
10·2	52	8·0	55·8	
10·0		12·0	32·1	
9·0		12·5	15·7	
8·6		32·5	58·5	8·8 =
10·0	53	7·0	18·5	
10·2		7·5	50·0	
9·6		9·0	45·2	
8·2		13·5	31·2	9·0 Ga
8·7		18·5	3·8	9·2 –
10·2		21·0	40·4	
9·8		29·0	58·9	
10·2		33·5	33·2	
10·2		36·5	59·6	
10·0		55·4	32·3	
10·2	54	7·4	12·1	
10·2		17·4	6·5	
9·8		35·9	49·2	
10·2	55	1·4	30·1	
10·2		2·9	25·1	
10·2		12·4	39·4	
10·2		33·9	44·8	
9·8		39·4	23·2	
10·2	56	2·4	30·0	
9·3		33·6	59·7	
10·2		48·3	53·0	
10·2		52·4	37·9	
9·4	57	27·4	38·4	
7·5		33·9	9·9	7·2 GScl
10·2		40·9	31·4	
9·6	58	29·4	46·9	
9·4		52·4	1·1	
8·4	59	16·4	34·8	8·0 GWa
10·2		19·9	28·2	
10·2		34·9	32·0	
10·2	0	2·9	3·2	
9·6		22·4	45·8	
9·6		25·9	54·2	
10·2		34·5	2·1	
9·0		47·9	22·0	8·5 Gam
10·2	1	8·4	35·1	
10·2		31·9	58·5	
9·8		35·0	10·5	
10·2		41·2	25·4	
10·2		55·8	30·2	
10·2	2	2·3	51·1	
9·6		12·0	55·4	
9·4		37·8	32·6	
9·4		40·8	17·3	
9·8		48·8	36·1	a
10·2		54·8	42·1	
9·1	3	51·1	14·8	
8·8		55·6	41·8	9·0 GWa
9·5		57·6	23·6	
9·8	4	13·1	49·0	
9·4		31·1	20·6	
	+1	32·0	+4·1	

6961—7020.

mag.	20h. m	s	—27° ′	
10·0	4	49·5	37·0	a
8·8	5	3·6	31·0	9·5 a
9·0		13·6	21·4	9·0 a
9·2		23·6	13·5	
9·6		42·5	22·9	
10·1		49·6	35·4	
8·8	6	0·6	25·6	8·2 GWa
9·6		3·6	10·3	
8·8		31·6	22·8	9·0 a
9·0		50·1	15·2	9·2 Ga
9·6	7	2·5	48·6	
7·2		31·5	24·2	6·2 GSlπ
10·0		39·5	5·9	
9·0	8	19·5	9·8	8·7 G=
9·5		47·5	56·8	
9·4		56·0	57·0	
8·5		56·0	59·1	8·5 Gam
10·0	9	30·0	40·5	
9·8	10	26·5	49·8	
10·1		41·5	19·2	
9·5		50·0	55·6	
8·6	11	11·5	27·6	8·0 Ga
10·0		46·5	4·5	
9·8	12	2·5	7·6	
8·8		11·5	44·0	8·6 M=m
9·8		48·9	1·8	
8·8		50·9	34·3	9·5 G
9·6		55·9	21·0	
9·2		59·4	8·8	
9·5	13	5·4	58·1	a
8·8		7·4	26·1	
8·4		9·9	43·7	8·5 Gam
9·8		32·9	11·0	
9·2		42·4	51·5	
9·6		51·9	34·0	
9·2	15	2·9	30·8	
10·0		11·4	54·8	
9·6		12·9	5·4	
9·0		15·9	12·5	
10·0		20·4	13·8	
9·8		52·9	21·4	
8·2		59·9	8·1	7·4 Gal
10·0	16	5·9	25·7	
10·0		12·9	3·5	
10·1		15·9	0·8	b
9·1		19·9	54·0	
8·6		29·4	58·5	8·5 –m
8·4		57·4	18·0	8·2 Ga
10·0	17	31·4	44·7	
10·1	18	7·9	26·6	
9·8		30·4	4·2	
8·4		57·4	2·0	8·3 Ga
10·1	19	13·9	29·8	
8·8		44·4	51·2	8·8 –
8·8		50·9	21·9	8·4 a
9·4	20	8·9	6·9	
8·8		49·9	41·3	8·2 G=
9·4	21	12·4	30·1	
9·4		12·6	2·8	
10·1		13·6	15·7	
	+1	31·4	+4·6	

7021—7080.

mag.	20h. m	s	—27° ′	
8·6	21	19·1	11·5	
9·0		28·6	15·1	
10·1		34·6	15·3	
10·0		51·1	30·4	
8·6		59·1	11·2	8·5
8·0	22	4·1	43·6	8·2 Gaml
9·4		15·6	23·3	
10·1		48·1	29·6	
9·0		57·1	24·4	9·0 a
10·0	23	13·9	59·2	
8·2		25·4	23·6	9·0 a
10·1		30·6	16·5	
9·4		47·4	32·2	
10·0		57·6	25·4	
9·0	24	19·0	19·8	a
9·5		34·3	17·4	a
10·4		40·7	55·8	
10·4	25	5·6	32·1	
9·0		7·6	4·1	a
10·4		31·5	19·3	
9·6		42·0	21·4	
10·2		50·5	8·0	
8·8		55·0	8·8	
8·8	26	5·5	29·4	
9·6		13·5	43·4	
10·4		18·7	23·8	
8·8		21·0	35·6	–
9·4		25·0	5·8	a
8·8		25·5	31·4	
9·6		37·5	47·9	10·0 G
9·4	27	5·5	52·6	
8·0		12·0	39·3	7·5 Gal
10·4		12·0	16·3	
9·2		55·0	46·8	8·5 =
10·2	28	20·0	14·8	9·5
7·3		22·0	12·2	7·0 GScl
10·2		44·0	19·0	9·5 a
9·9	29	15·0	8·4	
9·8		24·0	6·0	
9·8		29·5	46·1	
8·8		30·0	26·4	9·0 a
9·8		31·0	51·0	
9·6		43·5	29·2	
10·2		48·5	43·2	
9·4	30	43·0	18·7	
9·0		54·5	45·1	
10·4	31	1·2	58·6	
9·2	32	1·5	29·8	
10·4		5·0	42·6	
7·2	33	6·4	5·2	6·5 GScl
9·8		6·4	30·3	
10·0		19·4	22·3	a
9·8		39·2	1·0	
10·4		44·4	23·2	
9·6		49·4	24·6	
9·6		49·9	49·7	
9·8	34	6·4	26·2	
10·4		18·9	36·1	
8·4		22·4	39·5	9·0 Gam
10·4		44·4	28·0	
	+1	30·7	+5·0	

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7081—7140.

mag.	20h. m	s	—27° ′	
9.4	35	41.4	32.6	
9.4		45.4	6.1	
9.8		57.4	50.7	
9.4	36	25.4	36.2	a
10.0		35.9	19.8	
10.4		39.4	48.4	
7.6		56.4	39.7	7.6 GSa
10.4		56.9	22.4	
8.2		57.9	30.0	8.5 Ga
8.0	37	6.4	53.2	8.1 Gam
10.4		32.9	48.2	
7.2		42.4	41.9	6.6 GSac
9.6	38	2.4	41.1	9.2 G
10.4		4.4	20.7	
9.6		5.4	23.6	W
7.4		58.4	19.3	7.1 GSac :
8.6	39	10.4	41.2	7.7 GWa
7.6		15.4	38.3	7.7 GWa
9.4		21.4	26.6	
10.0		28.4	7.3	
10.4		45.4	38.1	
10.4	40	41.9	5.0	
10.2		53.4	2.2	
9.6		58.4	33.4	
9.6	41	3.2	46.6	
9.0		4.2	27.1	8.5 am
9.8		4.7	20.6	
8.4		25.7	28.1	8.2 Gam
8.3		56.2	23.6	8.4 Ga
10.2	42	7.7	56.1	
9.6		31.2	0.6	
9.9		32.7	15.8	
7.8		35.5	49.8	7.1 GStπ
8.2		36.5	49.7	9.0 G
9.2		54.2	57.4	9.0
9.6	43	15.7	20.7	
9.8		20.2	41.8	
9.2		21.7	28.8	9.5
9.0		55.2	14.7	a
9.0		55.7	37.0	9.0 a
9.6	44	1.7	46.7	
7.0		4.7	42.5	6.8 GStπ
6.7		21.7	23.0	7.0 GSμβ
10.0		24.2	29.7	
10.4		52.2	53.2	
9.6		53.7	6.9	
10.0		57.2	59.1	
8.8	45	10.7	23.3	8.5 a
9.9		25.2	59.4	
9.8		25.7	6.9	
8.2		32.7	38.2	8.2 a
9.8		45.7	29.6	
9.6		50.2	37.9	
10.4	46	7.0	32.0	
8.8		40.5	58.2	
9.4		47.2	38.2	
9.2		51.7	6.1	
10.4	47	0.6	59.8	
9.6		1.5	8.3	
10.4		12.7	35.7	
25pr.	+ 1	30.0	+ 5.4	

7141—7200.

mag.	20h.–21h. m	s	—27° ′	
9.0	47	33.5	55.1	a
9.9		57.5	47.6	
9.8	48	9.8	57.9	
9.0		13.0	54.9	9.5 a
9.6		15.8	23.9	
9.1	49	0.8	41.0	8.8 a
9.0		24.8	43.8	8.4 am
9.0		24.8	39.3	9.0
9.2		27.3	19.0	
9.8		31.8	53.9	
10.4		41.3	39.5	
9.0		53.8	55.8	9.5 a
9.0	50	5.3	32.2	9.0 a
9.2		17.8	56.5	9.0
10.4		32.8	51.0	
10.4		40.8	22.0	
10.0		42.8	14.2	
9.1		58.3	49.0	
10.0	51	0.3	9.9	
10.4		9.8	47.5	
9.2		14.8	48.9	M–m
10.0		33.8	47.4	
8.8		34.3	43.8	9.0 m
10.4		58.8	56.9	
8.3	52	5.3	29.9	7.9 GWal
10.4		42.0	2.5	
10.4		48.3	50.8	
8.0		51.8	49.5	7.7 Gtlπ
8.3	53	26.8	32.0	8.4 Gaml
10.4		28.8	31.0	
10.4		39.8	5.1	
10.0		44.8	36.4	
10.4		45.3	25.3	
9.2		48.3	54.6	
9.8		52.8	38.6	
10.2		52.8	48.3	
6.4	54	20.8	22.0	6.2 GSlπ
10.0		32.3	34.9	
9.0		57.8	32.0	
10.4	55	51.8	24.8	
9.1	56	27.8	32.0	8.5 Ga
8.0	57	3.8	13.8	8.2 Gam
9.8		17.3	35.4	
9.0		32.8	41.5	9.0 a
9.4		54.3	34.5	
9.0	58	9.8	44.8	9.5 Ga
9.0		17.8	32.1	
10.2	59	1.8	46.6	
10.4		13.8	0.4	
9.0		14.8	24.4	9.0 GMm
10.0		34.3	40.4	
10.4		45.3	38.6	
9.0		48.8	53.0	8.9 Gam
6.7		57.8	47.4	7.2 GSal
10.0	0	2.8	1.1	
10.2		13.8	38.0	
9.4		26.8	18.2	10.0 G
9.6		34.8	49.9	
10.4		56.3	51.3	
9.0	1	5.8	0.2	8.5 Ga
	+ 1	29.4	+ 5.8	

7201—7260.

mag.	21h. m	s	—27° ′	
8.6	1	6.8	6.6	8.2 Gaml
8.5		37.3	30.6	8.6 am
8.2		43.3	36.7	7.6 Ga–l
9.4	2	11.8	39.8	
9.1		17.8	42.0	9.0 G
10.4		32.3	25.5	
9.6		58.3	32.8	
10.4	3	9.8	38.2	
9.0		46.3	39.4	9.5
8.6		50.8	37.9	9.0
9.6		55.5	2.3	
9.6		59.1	53.5	
8.8	4	43.6	35.2	9.5
10.4	5	4.2	19.3	
7.6		26.6	12.8	8.1 Gaml
9.8		28.1	15.5	
10.4		44.1	8.5	
9.4	6	35.1	21.1	
9.0		46.1	53.0	10.0 Mm
9.6	7	28.1	10.1	
10.4		34.1	3.5	
9.8		34.6	11.7	
8.4		58.1	27.1	8.4 Gam
10.4	8	5.6	14.2	
9.0		8.1	35.7	
9.4		14.1	13.9	
10.4		19.1	15.9	
9.8		41.3	21.5	
9.4		43.3	27.5	
9.8		46.1	20.9	
9.6		52.3	21.9	
9.6		53.3	19.2	
9.6	9	37.4	25.1	9.5 Mm
11.0		45.4	42.3	
8.6	10	18.4	0.5	8.2 Ga
8.5		24.1	45.0	8.6 Gam
10.6		47.1	7.7	
11.2		51.6	34.1	
7.6	11	27.6	8.3	7.9 Wa
9.6	12	2.5	20.0	
10.6		11.0	38.8	
10.0		16.0	34.6	
6.8		30.5	44.1	7.0 GSlπ
7.8		41.0	49.8	8.0 Gb≡l
8.5	13	18.5	11.6	9.0 Ga
11.2		21.5	40.8	
8.0		33.5	8.6	8.5 a
10.2	14	25.0	35.1	
8.0		34.5	39.4	9.0 Ga
9.0	15	13.5	21.6	9.0 Gam
9.4		35.5	36.6	
10.2		43.0	3.1	
11.1		46.0	17.1	
10.2		53.5	48.1	=
9.4	16	4.5	36.4	10.0
9.9		46.5	37.3	
10.2		59.0	44.4	
9.2	17	27.5	35.5	a
10.0		28.0	30.8	
9.6	18	23.0	38.1	
	+ 1	28.6	+ 6.1	

7261—7320.

mag.	21h. m	s	—27° ′	
9.8	18	30.5	13.6	
10.5		33.5	3.6	
8.6		57.5	42.3	9.0 Gam
11.2	19	3.5	6.6	
10.0		21.0	34.9	
10.5		28.0	16.2	
8.8	20	4.5	22.1	9.5 Ga
9.0		55.0	28.8	9.5
8.6	21	3.0	4.8	8.2 GWal
11.1		38.0	23.0	
11.2		47.7	2.1	
8.8		48.0	49.7	9.0 G=
8.8	22	14.0	41.0	9.0 a
9.2	23	19.5	34.3	9.5 Ga
9.0		43.5	41.1	8.8 Gal
9.9	24	39.5	23.3	
11.2		41.5	33.2	
10.2		50.0	40.6	
11.0	25	11.5	3.5	
10.2		44.5	4.0	–
8.5		46.5	31.6	8.2 Gal
9.4		52.0	53.6	
10.3	26	13.5	49.1	
8.8		56.5	53.6	8.5 al
10.3	27	14.0	58.9	
9.8		16.5	22.6	
9.2	28	17.5	15.1	9.5 Ga
11.1		23.5	47.1	
10.8	29	2.5	48.4	
10.3		37.0	53.1	
10.0	30	13.5	3.7	9.5 –
10.0		20.0	45.3	
11.0		20.5	30.3	
11.2		26.5	49.5	
11.0		36.5	6.5	
10.3		53.0	49.3	
10.5	31	2.5	45.1	
9.5		5.0	45.7	10.0 G
9.4		32.8	48.7	
7.4		51.5	51.9	7.0 GSal
11.2	32	8.0	37.3	
8.8		10.8	53.9	9.5 a
8.8		12.5	32.6	9.5 a
10.0	33	2.6	48.4	
10.2		19.1	27.9	
10.0	34	7.6	33.1	
8.6	35	26.1	33.1	9.0
10.2		44.6	45.8	
10.0	36	14.6	44.5	
8.6		17.6	17.0	9.0 al
7.9		46.1	5.2	8.5 Gal
8.4	37	47.1	3.8	7.7 Gal
9.0		56.1	27.3	–
8.5	38	2.6	31.0	–
8.8		30.1	3.6	8.3 Gaml
10.2		46.5	17.1	
9.5		46.5	16.9	
8.5	39	33.0	40.3	
8.6		33.0	9.9	9.0 Ga
10.2		41.5	11.4	10.0 G
	+ 1	27.4	+ 6.6	

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7321—7380.

mag.	21h.–22h. m	s	—27° ′	
9·8	39	58·0	20·0	
9·6	40	4·0	41·3	9·0 G
9·5		16·5	25·8	a
8·8		33·0	57·9	8·5 G
8·8		47·0	46·7	8·8 Gam
9·4	41	7·5	43·2	9·0 Ga
10·2	42	15·5	15·1	
9·8		33·5	12·1	
6·8		41·7	59·1	7·0 GSal
9·8		42·4	10·9	
7·9	43	22·9	54·9	8·0 GWal
10·8		52·9	51·0	
9·6		53·9	1·2	
10·2	44	9·4	47·5	
8·4		18·8	59·0	7·9 GWal
10·8		21·4	57·2	
10·0		37·1	8·5	
8·0	45	17·4	54·1	7·6 GSal
9·2		25·9	41·3	9·0 a
10·2		29·9	5·2	
10·2	46	4·9	17·2	
9·0		10·4	9·3	9·2 b
9·0		46·4	16·9	9·5
9·6		55·9	7·3	9·2 G–
10·2		56·9	20·7	
9·0	47	17·9	13·3	9·2 a
9·8		46·4	36·2	
8·6	48	14·3	56·7	8·5 Gam
9·5		54·8	0·1	
9·4		59·3	38·9	
8·9	49	8·3	52·9	9·0 Gam
10·0		33·3	7·8	
8·4		51·3	36·4	Ga
7·9		53·8	4·3	8·0 GSam
10·0		54·8	3·1	
9·0	50	29·3	18·8	a
10·0	51	5·3	55·8	
9·6		33·3	53·7	
[illegible]	52	23·8	51·3	
[illegible]		28·5	13·2	
[illegible]	53	3·5	53·9	9·2 Gm
[illegible]		45·5	7·4	9·0 Gbm
10·0	54	58·0	40·1	G
9·4	55	3·2	26·6	
10·0		13·0	48·7	
10·2		13·8	4·0	
8·1		33·2	58·1	7·3 GSal
9·6		47·9	28·3	
7·4	56	1·5	39·2	7·8 GSlπ
9·4		14·9	7·6	
6·0	57	30·4	25·6	6·2 GSlπ
8·5	58	6·9	27·2	9·0 W
9·8	59	23·4	0·4	
9·0		33·4	44·1	
9·8		38·0	59·7	
9·6		44·9	34·4	
9·6		52·9	8·8	
9·4	0	12·4	22·7	
10·0		56·4	58·1	
9·4	1	51·4	2·7	9·5 =
25pr.	+1	26·3	+7·0	

7381—7440.

mag.	22h. m	s	—27° ′	
9·4	1	52·4	48·3	9·0 am
8·8		54·4	17·1	9·0 G–
9·6	2	34·9	12·4	9·5 G
9·6		54·9	33·5	
9·8		59·4	20·8	
9·8	3	46·4	30·7	
9·0	4	6·4	3·4	
7·4		22·4	45·9	7·0 GStl
10·0		24·6	7·1	
9·8		39·9	7·3	
9·2		47·2	2·5	9·5 GWa
9·4	5	29·0	26·2	
7·8		32·5	41·9	7·5 GStl
8·0	6	2·0	6·8	7·8 GWal
10·0	8	21·5	35·6	
9·6		26·5	26·2	
9·4	9	7·3	3·0	
9·8		25·0	42·0	
9·6		34·5	11·9	
9·4		44·5	5·3	9·5
9·4	10	29·0	43·1	
9·2	11	22·0	55·1	8·5 Gam
9·0		56·0	23·2	9·0 G :
10·0	12	53·7	30·1	
10·0		56·0	42·6	
10·0	13	12·5	8·7	
9·6	14	33·5	11·9	
9·6		40·5	16·7	
10·0	16	16·7	19·7	
7·6	17	6·5	0·4	7·7 GSal
9·4–		37·8	29·0	9·2
9·5		45·1	53·9	
7·6		46·3	29·4	7·2 GSlπ
8·6	19	6·1	45·5	am
8·6		9·1	58·6	8·0 Gam
9·5		9·1	11·5	
9·8		55·1	21·4	
7·2	20	41·6	3·3	7·0 GSal
8·1	21	12·1	50·7	8·0 GWam
8·4	22	24·6	47·7	8·5 GWal
6·0		46·1	44·6	6·5 GSlπ
8·8		46·6	11·7	9·0 a
9·5		50·1	23·4	
8·6	23	12·6	36·8	9·0 G
10·2		50·6	32·3	
10·2	24	16·6	16·0	
9·8	25	40·6	26·5	
9·8		43·1	20·8	
9·2		46·1	6·4	=
9·2	27	36·3	49·7	
10·0		56·3	13·3	
9·8	28	23·8	35·6	
8·6	29	3·8	34·5	8·0 G–
8·2		21·3	48·0	8·8 Mm
9·0	31	10·8	59·0	9·0
8·4		26·3	31·0	7·8 GWa
8·3		42·8	55·3	8·5 a
9·6		51·8	56·9	10·0 m
9·8		56·3	22·4	
9·3	32	15·3	50·3	9·2
	+1	24·4	+7·5	

7441—7500.

mag.	22h.–23h. m	s	—27° ′	
8·4	33	13·8	56·7	8·8 –
3·4		44·3	41·6	4·0 GSπβ
7·2	34	31·8	54·6	8·0 Gtlπ
8·8	35	7·3	30·0	
9·4		42·3	32·4	
10·0	36	39·8	13·4	
10·0		44·1	42·7	
10·0		49·1	4·8	
8·1		49·8	31·6	8·0 –
9·3		57·3	36·5	8·5
8·4	37	3·3	51·3	8·2 Gam
9·5		37·3	9·6	
9·0	38	11·0	57·0	8·8 Mam
10·2–		30·9	53·7	
8·4		48·8	38·1	7·8 Ga
9·5	40	53·3	55·4	
9·8	41	6·3	4·2	
8·8	42	2·3	12·0	8·5 =
8·8	43	4·3	9·7	8·9 a
9·8		29·3	39·7	
8·8	44	2·8	56·9	9·0 GM–m
8·8		8·3	6·2	8·6 a
9·5		33·3	24·8	a
9·8	45	10·8	12·9	
10·6.		51·8	22·6	
9·2	46	35·3	24·0	9·5
8·4		47·0	38·7	9·0
8·1	47	50·0	36·3	8·0 Ga
9·2	48	58·0	6·6	
9·8		59·5	38·3	
7·9	49	3·5	19·1	8·0 Ga
9·3		52·5	19·2	
9·0	50	41·5	27·8	9·0
10·4		50·0	9·8	
9·0	51	6·5	22·8	9·0
9·6	52	40·0	46·3	
9·5	53	17·5	53·2	9·5 –
8·2		22·0	20·0	–
9·6		23·5	48·5	
9·0		24·5	28·6	–
8·4		26·5	45·9	8·0 =
10·6	54	16·3	38·2	
9·2	56	3·8	35·5	
7·8		52·8	29·1	7·0 GSa
9·8	57	7·0	59·1	
9·6		13·8	34·9	
9·6		28·0	59·9	
9·4		53·8	25·5	
9·8		57·8	51·0	
6·4	58	4·3	48·6	7·0 GSal
10·0		44·7	58·7	
8·8	59	22·3	26·3	
10·3	0	13·8	10·3	
8·6	2	13·8	49·8	9·0 =m
9·8–		33·6	20·3	
9·0		37·9	46·5	9·0 –
9·6		54·9	9·8	a
8·4	3	30·7	58·0	8·5 G≥
9·2		50·9	2·5	
9·6	4	9·4	22·6	
	+1	22·1	+8·0	

7501—7560.

mag.	23h. m	s	—27° ′	
7·7	4	28·4	35·5	8·0 GSal
8·3		30·4	34·0	8·0 GWal
9·6	5	14·4	30·6	
8·7	6	13·9	25·7	9·0 G
8·6		32·9	4·8	8·5 Gal
8·3		48·4	13·2	8·2 Gal
9·1	7	0·9	59·2	9·0
8·7		43·9	43·6	8·5 Gam
8·3	8	30·9	19·7	9·0
9·4		52·4	26·3	
8·0	9	0·9	51·6	8·5 am
9·2		41·9	2·9	8·5 a
8·3		47·9	45·7	8·0 Gaml
9·6	10	28·9	59·1	
8·8		36·4	38·6	
9·6	11	51·4	35·2	
9·3	12	23·9	4·8	
9·4		24·9	3·4	
8·9		49·9	8·1	8·0 a
9·6	13	27·9	3·1	
9·6	14	17·4	36·4	
7·0		35·4	40·2	6·0 GSlπ
9·6	15	40·2	47·1	
9·1		54·5	9·9	9·0 a
8·7	16	44·0	4·7	8·5 a
9·4	17	4·0	32·2	
9·6		8·0	11·6	
7·5		22·0	58·1	8·0 al
8·9	19	33·5	11·0	9·1 Ga
9·6	20	35·0	25·9	
9·4		38·5	40·2	
7·6		54·5	58·1	7·5 GSbl
9·1		57·0	12·4	
8·1	21	7·5	21·9	8·0 al
7·8		18·5	8·5	8·1 al
9·4	22	25·0	24·7	
8·4		38·0	47·1	8·5 a
9·6	23	33·8	39·2	
9·4		44·1	55·0	–
8·3	24	12·3	59·0	8·5 am
9·0	25	24·3	49·8	8·5 M–m
9·8		37·6	24·6	–
9·8	26	54·1	0·2	
10·0		57·1	26·0	
9·6	27	27·6	52·0	–
8·8	28	18·1	36·6	9·0 –
9·4	29	9·3	58·5	b
10·0		30·6	45·4	
9·8		31·3	36·5	9·0
6·9		36·1	34·1	6·5 GSlπ
9·3	30	44·1	5·6	
9·9	31	23·6	57·0	–
9·9		46·6	12·1	
9·0	32	34·1	24·7	
8·2		48·6	51·0	8·5 Ga
8·2	33	46·1	34·8	8·0 Ga
10·0	34	9·6	44·3	
10·0		19·6	2·2	
8·8		33·1	39·5	Ga
9·6		40·1	44·8	
	+1	19·7	+8·2	

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7561—7572.

mag.	23h. m	s	—27° '	
9·6	35	27·6	38·8	
9·1	36	16·1	10·7	
8·2	37	36·1	53·4	9·0 ≡m
10·0		43·1	2·4	
10·0		44·6	18·7	
10·0		50·3	15·4	
8·2	38	3·1	10·1	8·5 Gal
10·0		4·1	56·2	
9·6		17·1	12·1	9·0
10·0		28·1	24·8	
10·0		56·3	59·1	
9·8	39	4·6	14·0	
25pr.	+ 1	18·5	+ 8·3	

7573—7584.

mag.	23h. m	s	—27° '	
8·4	39	32·1	30·7	8·5 Ga
8·8		53·6	35·6	9·0 Ga
9·4	40	15·1	16·8	
10·0	41	6·1	5·5	
9·2		9·6	21·3	a
8·6		50·6	6·0	a
9·2	43	20·6	32·0	9·0
9·4		40·1	49·5	9·0 ≡
9·4		49·6	20·3	9·5
8·8	45	52·6	45·4	9·0 =
10·0	47	27·0	41·7	
6·4		53·7	44·3	6·5 GStl
	+ 1	18·1	+ 8·3	

7585—7596.

mag.	23h. m	s	—27° '	
9·8	48	57·7	41·8	
8·6	49	8·2	17·9	8·5 G
10·0		24·2	11·5	9·5
7·1	50	40·2	19·2	6·5 GSal
8·6		43·2	31·9	8·5 Ga
10·0		43·7	50·6	
9·8	51	8·2	25·4	9·5
10·0		33·3	1·6	
8·6	52	14·7	13·3	
6·7	53	4·2	13·3	8·2 GSal
10·0		6·2	58·7	
10·0		21·2	47·9	
	+ 1	17·5	+ 8·3	

7597—7607.

mag.	23h. m	s	—27° '	
10·0	53	22·7	1·2	
8·6		46·7	34·2	9·0
10·0	54	0·7	43·9	9·5
9·4	55	10·7	10·0	9·0 a
9·6		48·7	45·8	
8·8		49·7	22·4	9·0 G
7·8		50·7	49·8	8·0 b≥l
9·7	56	57·2	14·1	
8·5	57	0·7	6·7	Ga
8·8	58	20·0	57·5	9·0 =
8·5		50·4	58·1	8·8 M≡m
	+ 1	17·1	+ 8·4	

ZONE — 28°.

1—30.

mag.	0h. m	s	—28° '	
9·6	0	37·3	17·0	—
8·4		53·3	5·7	8·2 GM≡m
9·4	1	28·3	9·2	—
6·2	2	59·1	40·8	6·0 GSlπ
10·0	4	45·1	35·0	
6·7	5	13·1	29·7	5·5 GSlπ
8·1		51·1	28·8	9·0 Sb=l
10·2†		51·8	52·9	
10·0	6	21·6	57·0	
8·4		49·6	30·6	8·0 Sb=l
10·4†	7	17·6	59·9	
7·5	8	0·4	13·5	7·0 Gb≡l
10·0		25·9	33·6	
10·0		35·9	39·8	
9·4		43·4	11·9	8·5 a
10·0	9	47·2	56·0	
9·4		52·9	28·2	a
10·0	10	20·4	29·9	
9·4		40·6	44·9	9·0
9·7	12	9·8	37·8	8·5 Gam
8·6		13·8	38·7	8·0 Gam
9·9		41·3	42·3	
9·1	13	34·8	20·9	9·5 =
9·9		55·6	55·5	
9·0	15	51·3	5·7	—
9·9	16	17·8	2·7	
9·9		20·5	21·4	
8·4	17	43·2	6·4	9·2 =
7·8	19	29·7	24·0	7·0 GSal
8·6		42·2	58·0	8·5 Ga
25pr.	+ 1	16·1	+ 8·4	

31—60.

mag.	0h. m	s	—28° '	
9·9	21	4·5	54·2	
7·6		8·7	56·1	7·0 GSa
9·2		41·2	39·7	9·0 Ga
9·0	22	47·7	5·0	8·8 =
8·8	24	24·7	37·5	8·3 Ga
9·2	25	36·7	31·0	9·0 G—
9·2	26	24·7	40·2	8·5 G—
9·9		34·7	55·9	9·0
9·9	27	14·4	29·9	
9·6		40·4	18·1	—
9·6	28	30·4	44·0	9·5
9·7	29	49·8	57·6	
7·8	30	31·9	6·5	8·1 Gal
9·9	31	40·3	21·4	G
8·3		56·4	18·5	7·8 Gbl
9·2	33	0·4	48·3	8·8 a
9·2		6·9	50·2	8·3 a
10·2		10·0	13·9	9·0 G
10·2	34	3·0	11·1	
7·8		38·0	3·7	8·1 a
9·2		40·5	21·9	10·0
10·2	35	47·1	57·8	
9·8	36	24·0	35·1	
10·2		36·5	25·5	
9·2		43·0	24·1	9·5 —
10·2	37	29·5	57·2	
9·6	38	52·8	32·2	9·0 —
8·2	39	1·8	27·1	8·5 Ga
10·2		21·3	49·0	
8·2		27·3	33·9	8·3 Ga
	+ 1	14·2	+ 8·3	

61—90.

mag.	0h.–1h. m	s	—28° '	
10·2	39	39·3	56·8	
9·8		47·3	24·9	9·0 —
10·2	40	49·8	14·6	
9·6	41	13·6	59·1	
9·8	42	9·3	46·2	
10·2		19·0	13·2	
7·8	43	16·8	17·2	8·3 a
10·2		21·3	14·8	
9·2	44	14·3	7·2	9·2 Ga
8·8		30·3	7·1	9·0 Ga
8·8	45	53·3	18·2	9·0 a
10·2	46	37·8	3·2	
9·4		45·8	6·6	—
10·0	49	40·8	34·2	9·2 G
7·2		50·8	27·2	6·0 GSal
9·6	51	46·8	53·8	
10·2		49·8	44·3	a
10·2	55	13·3	28·0	
9·6		28·3	7·6	9·0 G=
9·4	56	54·8	17·2	—
10·4	57	4·8	24·3	—
8·0		16·8	33·0	8·0 GWa
10·0		20·3	37·8	
10·4		36·2	38·2	
10·0	58	0·3	36·8	
10·0	59	17·8	52·4	
8·2		26·5	59·6	7·8 GWa
10·4		35·2	13·0	
9·2		56·8	15·9	—
8·0	1	38·3	23·4	7·8 GWa
	+ 1	12·8	+ 8·2	

91—120.

mag.	1h. m	s	—28° '	
10·0	2	46·3	21·9	
10·0	3	15·3	47·0	10·0
10·4		35·2	36·9	
8·8	4	25·3	1·0	
8·2		34·9	26·6	8·8 a
10·4		42·9	15·2	
10·2	6	58·1	45·0	
10·4	8	30·4	28·2	
10·2		59·4	5·4	
10·4	9	1·9	50·0	
9·4		22·9	55·0	9·0 Ga
9·6		33·9	55·6	9·5 G
9·8	10	25·9	28·4	
9·0	11	48·4	51·4	9·2 a
10·4	12	12·4	39·2	
10·0		16·4	15·7	
9·6		41·9	10·6	—
9·8	13	32·9	13·5	
10·4		35·7	44·0	
8·6		51·4	53·4	8·2 Ga
10·4	15	22·3	19·1	
10·4		46·8	32·9	
10·4	16	7·3	50·8	
10·4	17	40·8	13·1	
10·4		48·6	31·9	
10·4	18	13·3	39·6	
10·0		14·2	40·2	
9·0		29·2	42·1	a
10·2		30·2	32·6	
8·2		54·2	29·0	9·0 al
	+ 1	11·2	+ 7·9	

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121—180.

mag.	1h. m	s	—28° ′	
10.2	18	58.5	57.8	
7.6	22	14.7	42.0	7.8 G
10.0		19.2	49.8	
9.8		19.7	54.8	
10.2	24	14.2	38.4	
9.2	25	5.7	33.2	9.5
7.9		25.7	44.6	8.5 Gal
10.2		53.7	46.0	10.0
10.2	26	2.7	39.8	
7.9		2.7	20.8	7.5 GSb
10.2		24.2	12.2	
10.2		45.2	11.8	
9.4	27	8.2	38.0	
7.4	28	28.7	0.4	7.7 GSal
7.8		34.2	52.6	7.0 GSa
10.2	30	0.6	13.5	9.5
10.2	31	37.7	6.6	
10.2	32	38.7	27.1	
9.6	33	42.2	20.2	
9.4	34	1.2	54.6	
10.2		16.2	59.1	9.5 G
10.2		38.2	37.7	
9.2		59.2	40.1	9.5
10.0	35	1.2	54.8	9.0 Ga
9.4		10.2	33.8	9.2 G
9.2		19.2	38.4	8.8 G
8.6		59.2	35.9	9.0 Ga
10.0	36	18.5	11.3	
10.2		27.0	4.0	
9.6		58.0	6.6	•
10.2	37	2.0	3.4	
10.2		37.5	12.6	
10.2	39	29.2	14.0	
9.4		47.7	2.4	8.8 G=
9.7	40	48.8	49.6	9.0 a
9.7		51.3	48.6	
8.4	41	9.8	17.7	8.5 G–
9.0		36.3	37.9	9.5
10.0	42	36.3	23.3	
9.7	43	34.6	19.0	
8.9		39.1	23.9	8.0 b≡l
9.4	45	58.6	38.3	9.0
9.2	46	17.1	37.8	9.5
8.0		29.1	22.4	8.8 Gb=l
9.0	47	14.1	41.9	9.8
9.9		22.1	27.5	
10.0		40.5	59.1	
9.2	49	14.1	54.9	9.5 G
8.4		50.1	19.5	8.5 Ga
10.0		54.1	35.2	
8.9	50	55.1	10.6	8.3 Ga
8.8	51	38.6	21.3	9.0 G–
10.2		56.5	6.0	
9.9	52	7.0	44.8	
8.6	53	48.5	32.8	8.5 Ga
9.2		50.5	7.7	9.0 =
9.0	54	5.5	4.8	9.0 =
8.8		15.5	45.8	9.0 a
9.8	55	14.5	19.8	
8.8		24.5	12.9	8.5 Gal
25pr.	+ 1	9.3	+ 7.6	

181—240.

mag.	1h.–2h. m	s	—28° ′	
10.0	56	9.5	16.8	
8.8		43.0	56.5	8.2 Ga
9.0	57	11.5	39.6	9.2
9.4		14.5	1.4	
9.7	59	13.2	58.9	
8.0		17.8	57.6	7.8 G
7.7		39.0	58.7	7.5 Ga
8.8		59.5	42.7	8.0
9.0	0	14.8	57.2	8.8
10.2		26.9	49.9	9.0 G
9.0		29.8	51.6	8.9
9.2		46.3	43.2	9.0 Ga
10.2	1	8.9	42.2	9.2 G
8.4		33.6	24.7	8.5 =
7.4	2	29.4	10.0	7.1 GSal
8.7	3	19.4	0.5	a
9.2		34.6	9.8	8.5 G
8.8		52.6	22.7	–
10.0	4	15.3	1.8	
8.1		49.6	24.3	a
9.0		54.6	50.9	9.0 GW
7.4	5	4.6	48.5	7.5 GSbl
8.1	6	33.6	6.1	8.0 Ga
9.6		57.1	3.1	
9.4	7	14.6	30.0	
8.8		32.6	28.2	
7.4	8	43.2	29.3	7.8 Gal
9.2	9	36.6	1.9	9.0 G
10.0		49.7	5.5	
10.0	11	51.2	26.7	
7.8	12	25.7	57.1	8.2 Ga
9.4	13	48.9	9.7	
9.2	14	9.4	20.0	9.0 G
10.0		25.0	26.1	
9.2		51.9	16.5	9.0 G–
9.4	15	14.9	38.0	
9.6		38.9	16.9	
10.0		55.9	35.2	
7.4	16	29.9	26.0	7.2 GSal
10.0		40.4	43.4	
9.6	18	44.1	31.2	
9.7		45.6	57.6	
10.0	20	12.6	53.1	
9.8		12.6	58.6	
10.0		37.6	23.8	
9.4		41.1	0.3	9.0 G
9.7		42.9	4.7	
8.6	21	57.4	11.4	8.8 a
9.7	23	19.9	37.7	
9.0	25	30.4	33.1	
7.4	26	2.2	3.8	8.0 Gal
8.0		42.7	20.6	7.8 Gal
9.0		54.7	9.3	
9.4	27	20.7	25.8	
5.3	28	22.2	46.9	5.4 GSlπ
8.5	29	52.2	35.1	8.2 G–
9.8†	30	14.0	51.5	
8.4		40.7	45.9	8.0 Ga
9.6	31	16.2	33.0	
9.6		50.7	35.1	
	+ 1	6.9	+ 7.0	

241—300.

mag.	2h. m	s	—28° ′	
8.8	33	18.2	3.3	8.8 a
8.6		25.2	42.3	8.5 a
7.8		37.2	21.5	7.5 GSal
8.2		43.7	50.2	8.0 Ga
8.6	34	30.6	36.2	8.2 Ga
8.5	36	3.5	3.2	8.5 Ga
9.6		29.6	35.2	
8.0		30.6	29.0	8.8 Wa
7.5	37	25.1	41.0	7.0 GSbl
7.8	38	19.6	25.8	7.5 GSal
9.3		30.6	30.0	
8.3		32.4	58.1	8.8 GWb
9.3	39	26.0	28.5	
9.4		37.6	10.7	9.5 G
9.3		51.6	47.1	
9.6	41	2.1	22.7	9.0 G
10.4†		23.2	59.8	
9.2	42	40.1	31.7	
9.2	43	0.6	4.1	
6.0	44	30.1	27.7	6.0 GSlπ
9.0		30.6	37.6	9.2 Ga
10.0†		59.2	49.8	
9.2	45	0.5	4.9	
8.4		35.0	38.9	8.5 Ga
8.2	46	4.0	9.0	8.6 G=
9.0		7.1	57.7	9.5 a
9.7		13.7	4.8	
9.2		55.6	0.5	
7.5	47	8.7	28.2	7.2 Gal
8.8		24.8	41.6	9.2 G
9.5		38.7	45.6	
9.8		50.7	48.2	
8.0	48	9.6	21.9	8.5 a
8.8	49	26.7	24.1	8.5 a
9.2		33.7	27.9	
9.4		34.3	50.9	
9.5		39.3	43.7	
9.8		59.8	41.5	
9.0	50	8.8	23.8	
9.0	51	30.3	16.7	
9.0		51.8	29.7	9.0 G
9.0		59.8	2.5	
9.2	52	14.3	50.1	
8.5		17.3	10.2	8.7 Ga
8.8		22.3	56.8	9.2 Ga
9.8		23.3	24.4	
8.7		29.3	12.4	8.7 Ga
9.8		43.3	19.6	
9.2		49.3	43.9	
8.8		52.3	52.2	9.0 Ga
9.7		56.8	22.0	
9.0	53	8.3	23.6	Ga
9.8		29.3	5.1	
9.2	54	7.8	52.5	
9.7		29.3	39.4	
9.2		32.3	5.5	
8.2		48.3	34.5	8.2 GSb
7.4	55	20.8	8.1	7.5 GSa
9.8		34.3	30.5	
9.0		47.3	27.5	
	+ 1	4.6	+ 6.2	

301—360.

mag.	2h.–3h. m	s	—28° ′	
7.6	56	7.0	55.9	7.8 GSb–
6.6		14.5	34.4	6.2 GStπ
9.0		25.0	32.3	9.0 G
9.8		42.5	4.7	
8.8		44.5	29.0	9.0
9.0	57	11.5	21.5	
8.7		24.0	31.1	8.0 G
8.7		27.0	48.3	9.5 G
9.5		29.5	9.7	
9.4		33.5	12.0	
9.8		38.0	5.4	
9.8		49.5	4.1	
9.8		50.3	0.8	
9.0	58	36.5	52.2	
9.2		39.0	21.2	
9.2		44.3	58.6	
9.4		54.5	40.2	
9.8	59	13.5	26.3	
9.2		30.5	14.7	
9.0		50.5	29.4	9.0
8.4		53.5	26.2	8.0 Ga
8.8	0	10.0	8.8	9.0 Ga
9.0		25.0	53.3	
9.6		34.5	45.9	
8.9		54.5	8.4	8.5 a
9.2	1	0.5	25.1	
8.9		5.5	25.7	
9.8		24.5	31.8	
9.0	2	13.5	0.1	
6.2		29.9	18.6	6.2 GSlπ
9.6		37.9	51.0	
9.5		39.9	41.9	
9.4	3	17.4	55.5	
9.6		36.9	54.2	
9.7		37.9	46.0	
8.6	4	1.9	50.5	8.5 GWa
9.8		59.9	10.3	
8.9	5	40.4	2.7	
9.4	6	14.9	16.6	
9.7		38.9	52.0	
9.0		45.7	3.1	a
9.7	7	21.1	26.9	
9.8		31.9	13.6	
6.8	8	2.4	2.8	7.2 GSa
8.2	9	57.4	48.6	7.5 GSa
8.4	10	16.7	28.3	9.0 Ga
9.2	11	1.0	38.9	
8.4		19.5	57.1	8.7 GSa
9.2	13	7.3	1.9	
9.2		49.7	2.4	
9.4		54.0	7.1	
9.0	16	19.0	36.7	9.2
9.4		47.0	21.7	
9.2	17	9.0	52.4	
9.6	18	8.0	21.8	
7.7		24.0	22.4	7.5 GSb–
8.9	19	31.5	21.3	
9.6		34.0	7.6	
8.9		34.0	12.8	8.5 G–
8.8	20	5.0	19.1	–
	+ 1	3.8	+ 5.8	

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361—420.

mag.	3h. m	s	—28° ′	
9·4	20	44·0	46·5	
9·6		59·0	0·5	
8·0	21	31·0	59·9	7·5 GSa
9·4		54·2	51·7	
8·4	22	12·2	10·9	8·3 G
9·6		29·2	39·0	
9·2		40·2	15·7	
8·9	23	30·2	3·9	a
9·0	24	24·0	59·9	8·2 Ga
8·8		25·7	55·5	8·8
9·6		43·7	46·1	9·2
9·6		54·7	49·4	
7·6	25	26·2	21·2	7·7 GSa
9·0	26	15·7	5·5	9·0 –
9·2		40·7	33·3	
9·6	27	9·2	23·6	
9·2		27·2	32·6	
9·4	28	18·2	18·4	9·0 –
9·0		49·2	31·2	
9·0	29	3·6	8·5	b
8·9		54·1	8·6	–
8·2	30	12·1	45·0	8·4 G
9·6		29·6	30·0	
9·4		49·6	0·3	
9·0	31	2·6	37·6	
8·8		12·1	18·1	9·2 a
8·4		47·1	32·1	8·7 a
9·6		50·1	3·5	
6·4	33	36·4	21·2	6·0 GStπ
10·2†		37·7	52·1	
8·5		52·4	25·6	8·2 G=tπ
9·0	34	1·4	5·1	9·0 Ga
9·6		7·9	27·4	
9·6		23·9	44·4	
7·1		44·4	54·8	7·2 GSb
7·5	35	38·4	22·2	7·5 GSb
9·8	36	2·3	19·5	9·0 G
8·8		8·4	19·3	9·0 Ga
9·4		15·4	22·4	
9·6		24·4	40·5	a
9·6		26·4	15·8	
10·0†	37	4·6	58·8	
9·0		12·4	47·7	9·0 a
9·0	38	1·4	32·2	8·5 =
9·0		17·9	52·0	
9·8	39	46·4	2·8	
9·6		47·4	19·0	
8·6		51·4	13·0	9·5 –
8·6		52·6	0·1	8·5 a
9·0		59·4	9·8	9·0 Ga
8·2	40	11·5	15·6	7·7 Ga
9·6		20·0	11·0	
9·8		36·8	20·2	
9·0	41	32·5	34·4	9·0 –
8·6	43	36·0	51·1	8·3 G–
9·8	44	22·5	21·0	
9·1		59·6	58·2	
9·8	46	16·3	53·8	
9·0		58·5	26·6	
9·8	47	35·5	53·7	9·5 G
25pr.	+ 1	2·2	+5·0	

421—480.

mag.	3h.–4h. m	s	—28° ′	
10·2†	48	14·9	55·1	9·5 G
8·6		31·6	40·6	9·0 a
9·8		36·6	38·3	
7·0	49	7·1	2·4	7·4 GSct
8·9	50	6·6	5·8	9·0 a
10·0†		15·9	53·5	
9·6		59·9	39·2	9·0
9·1	51	12·1	47·2	9·0
9·0		17·1	21·9	a
8·6	52	44·1	14·0	8·8 GWa
9·5	53	39·0	6·0	
9·8		49·0	24·8	
9·6	54	23·5	54·8	9·5 G
10·2		27·0	14·9	
10·0	55	2·5	57·0	
9·5		15·5	2·7	8·8 a
10·2		18·0	45·8	
8·2		59·0	37·2	8·5 G
8·8	56	30·0	4·0	9·2 a
9·6		55·0	24·2	
10·0	57	4·0	26·8	
9·5		14·0	7·5	
7·6		18·0	52·7	7·5 GStπ
10·1		26·0	19·8	
10·1		32·0	56·1	
9·6		54·5	4·3	
10·2		58·5	28·3	
9·4		59·5	18·1	
9·2	58	39·5	41·8	
8·8	59	38·5	4·9	9·2
7·8		39·5	41·3	8·2 Ga
10·0		56·0	50·6	
8·5	0	12·5	41·5	8·0 a
10·0		26·0	26·5	
10·1		28·5	47·5	
10·1		38·5	31·3	
10·2		40·5	31·9	
9·4		49·0	15·8	
10·1		59·5	15·9	
9·2	1	23·5	7·9	
10·2		25·5	24·7	
9·2		29·5	52·7	
9·0		29·5	0·4	
10·2		38·0	51·9	
9·6	2	11·5	20·5	
9·5		25·4	1·8	
8·8	3	1·5	51·5	
9·5		17·5	3·8	
8·0	4	17·0	8·4	8·2 GWb
10·1		26·1	3·1	
9·6		27·0	8·2	
9·2	5	4·5	18·0	
9·4		8·0	47·8	
10·1		26·5	37·2	
10·2	6	8·5	21·4	
10·2		26·5	0·6	
10·2		27·5	49·4	
10·1		40·0	32·3	
9·5		51·0	32·2	
9·0	7	0·0	45·8	–
	+ 1	1·1	+4·2	

481—540.

mag.	4h. m	s	—28° ′	
9·2	7	29·5	18·2	9·0 W=
9·2		42·5	42·2	
10·2		50·0	54·2	
10·2		52·0	56·0	
7·3		57·0	51·7	7·9 GSal
9·5	8	8·8	57·8	
10·2		10·0	40·8	
10·2		40·1	23·2	
10·1	9	13·6	1·1	
10·1		15·0	0·8	
9·4		15·6	39·0	
10·1	10	5·6	27·9	
9·2		33·1	42·5	9·0 –
8·6	11	28·6	43·3	9·0 a
10·2		31·6	29·0	
10·1	12	30·6	25·1	
9·4		55·6	45·2	9·0 a
10·2	13	15·6	3·0	
8·8		34·6	28·8	9·5 =
9·6		36·6	32·9	
10·1		41·6	39·4	
9·5		46·6	22·8	
9·5		55·6	21·9	
9·0	14	10·1	17·4	7·5 –
10·2		13·1	8·0	
10·2		23·1	54·6	
8·8		30·6	50·0	9·5
9·4	15	28·3	0·9	
9·6		33·8	25·0	
9·2	16	14·5	12·9	
10·2		38·0	44·8	
9·8		40·5	20·4	
9·5		41·5	21·4	
8·8		45·5	10·0	G
10·2		51·5	21·0	
10·2		59·0	8·1	
10·0	17	17·2	38·6	
9·8		20·3	30·9	
10·0		28·8	29·2	
10·0		31·0	8·7	
9·2		49·2	9·6	9·0 Ga
8·6	18	3·8	31·7	8·5 W–
8·5		37·3	7·3	8·0 Ga
9·4	19	31·3	18·2	
9·7		47·3	43·9	
8·1		50·3	29·7	8·0 GWa
9·2	20	2·3	0·3	
9·4		20·3	12·6	
9·4		25·3	1·3	
8·8		28·3	6·5	9·5
9·4		30·3	10·5	9·0 G
8·3		32·3	46·1	8·3 Ga
8·8	21	8·3	2·0	9·5
10·0		14·2	1·1	
9·8		23·8	12·2	
9·2		35·3	57·3	9·0 Ga
9·6		50·8	36·0	
9·4		51·3	30·0	
8·5	22	1·3	57·2	8·8 Ga
9·4		6·3	52·8	
	+ 1	0·5	+3·7	

541—600.

mag.	4h. m	s	—28° ′	
8·8	22	21·3	12·9	a
9·2		25·3	20·6	
10·0		30·3	26·4	
10·0		42·3	56·4	
10·0	23	17·8	21·5	
10·0		20·3	51·8	
10·0		35·8	45·9	
10·0		42·8	24·3	
10·0		55·3	10·4	
9·4	24	15·3	17·6	
9·6		20·3	50·9	
8·5		32·8	39·5	8·4 –
9·4		52·8	54·1	
8·5		52·8	42·3	8·8 –
10·0	25	12·3	6·9	
8·8		14·8	1·7	9·5
10·0		21·3	23·2	
9·4		30·3	44·5	
9·8	26	10·3	0·0	
9·4		10·8	51·1	
10·0		11·3	3·2	
8·8		12·3	6·9	8·5 a
10·0		20·8	8·4	
10·0		22·8	0·3	
9·6		23·8	52·8	
9·7		24·3	55·7	
9·8		26·8	7·3	
10·0		30·1	0·0	
10·0		32·3	4·7	
9·4	27	10·8	22·0	
9·8		16·5	0·2	
9·5		17·8	52·6	
9·5		31·8	29·4	
8·8		50·3	44·2	9·0 –
9·0		50·3	53·5	8·5 G
9·4		56·3	47·8	
9·8	28	35·3	55·6	
8·8		36·8	5·2	9·5
10·0		40·8	56·1	
9·2		41·8	39·9	
9·7		59·8	44·9	
6·8	29	2·3	42·5	7·0 GSlπ
9·4		5·3	38·7	
9·5		22·3	31·6	
9·0		30·3	25·1	8·5 Ga
8·2		35·3	28·2	8·5 Ga
9·8		48·3	43·2	
9·6		50·3	21·4	
10·0		59·3	22·9	
9·5	30	21·6	1·9	
9·6		39·3	6·8	
9·2		55·3	13·4	
9·0	31	2·3	27·5	
10·0		9·3	47·1	
10·0		40·3	55·5	
10·0		44·9	50·7	
10·0		45·4	53·8	
9·4		50·4	37·9	
10·0	32	22·4	38·0	
10·0		25·4	41·2	
	+ 1	0·1	+3·3	

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601—660.

mag.	4ʰ m	s	−28° ′	
10·0	32	29·4	45·1	
8·8		35·4	26·1	a
10·0	33	0·4	4·1	
9·4		22·4	8·0	
7·8		55·4	9·6	7·8 GSa
10·0	34	4·9	43·3	
9·4		5·4	21·9	
10·0		11·4	32·1	
9·2		14·4	39·3	
9·2		16·4	49·9	
9·2		19·9	35·7	
8·4		38·9	26·7	9·5 –
10·0	35	1·4	25·9	
10·0		1·9	19·1	
9·1		2·9	47·8	
8·8		11·4	53·6	10·0
9·8		30·4	56·5	
7·9		42·4	26·1	7·8 GSb=
9·4		43·4	42·1	
10·0	36	39·9	42·9	
9·4		49·9	57·6	
9·5	37	9·4	47·0	
9·6		12·4	3·8	
9·5		13·9	12·9	
9·6		26·9	32·9	
9·8		50·4	36·9	
10·0	38	23·9	22·5	
8·8		36·4	54·1	9·2
10·0		47·4	17·7	
10·0		50·4	47·9	
10·0		59·4	56·7	
9·0	39	6·6	55·0	9·0 Ga
9·0		10·4	27·9	9·5
9·0		15·2	21·1	
9·8		15·9	6·0	
9·8		21·9	42·3	
8·0		28·9	11·0	7·3 GStπ
10·0		31·9	39·1	
9·8		43·4	34·5	
10·0		45·2	4·6	
9·4		56·9	8·8	
10·0	40	1·6	24·9	
9·7		3·6	33·9	
10·2		35·8	27·7	
10·2		38·8	27·2	
9·0		42·9	17·5	
8·2		43·4	53·2	8·0 GWa
9·6	41	16·7	22·5	
6·8		26·7	18·9	6·5 GStπ
9·8		32·7	10·0	
9·6		48·7	34·6	
10·1	42	13·7	33·4	
9·7		22·7	4·4	
10·2		30·7	0·5	
10·2		30·7	27·6	
10·0		36·2	26·9	
9·4		58·2	22·9	
9·9	43	23·7	52·0	
10·1		24·2	26·4	
9·8		25·7	29·0	
25pr.	+0	59·7	+2·9	

661—720.

mag.	4ʰ m	s	−28° ′	
8·8	43	28·7	38·5	9·0 =
9·9		33·7	25·1	
9·8		38·7	32·2	
10·2		48·2	3·9	
9·0		48·7	36·0	
8·6	44	2·1	56·8	8·9 G–
9·7		2·7	11·3	
10·2		5·0	51·1	
9·8		14·7	25·5	
10·1		20·2	31·9	
9·4		33·7	51·4	
9·8	45	13·2	23·1	
9·7		14·7	22·6	
9·6		17·2	21·3	
8·9		23·7	49·0	9·2 Ga
10·2		38·7	56·8	
9·0		39·2	37·2	
9·4		42·2	12·9	
9·7		52·2	26·9	
9·6		56·2	29·0	
9·0	46	3·7	28·5	
9·6		5·7	13·6	
10·1		6·7	39·9	
9·7		7·8	57·9	
10·1		16·4	1·0	
9·0	47	1·7	16·1	
10·1		10·7	41·5	
9·0		32·7	35·4	
9·4		38·3	43·5	
9·9		49·3	26·8	
9·6		59·8	10·9	
9·2	48	6·3	53·5	10·0 a
10·1	49	22·3	39·2	
9·9		27·3	22·1	
10·0		42·3	59·6	
9·4	50	0·8	2·9	
9·6		17·3	5·1	
9·9		17·4	59·9	
9·6		39·5	0·9	
9·4		42·0	0·4	
8·3		42·8	45·3	8·0 Ga
9·4		49·8	16·0	
10·2		51·3	40·1	
9·9	51	8·3	40·4	
10·0		11·3	57·5	
9·9		20·8	52·1	
9·6		44·3	19·8	
9·8		51·3	22·9	
9·0		59·3	11·7	9·0 Ga
9·6	52	1·3	15·6	
9·9		30·8	12·0	
9·0		42·8	20·0	9·5 a
9·0	53	13·3	13·7	9·0 a
10·1		25·3	56·2	
10·1		29·6	0·4	
10·2		38·6	0·1	
8·8		39·3	11·5	8·8 a
9·3		41·3	15·5	8·8 a
10·2		44·2	55·8	
10·1		47·8	53·5	
	+0	59·5	+2·6	

721—780.

mag.	4ʰ–5ʰ m	s	−28° ′	
9·6	53	57·3	44·9	
9·7	54	4·3	25·0	
10·0		5·8	1·9	
10·0		6·8	43·1	
8·9		7·8	13·1	9·2 a
8·0		11·8	37·9	7·8 GSb=
10·2		15·6	1·3	
10·2		18·5	0·5	
10·2		43·0	12·7	
9·7		49·5	48·3	W
8·8	55	4·7	1·3	9·0 Ga
9·2		13·0	26·2	
10·2		25·5	9·9	
9·6		32·7	58·3	
9·6		34·5	59·3	
9·6		34·5	39·7	
10·1	56	14·5	55·1	
9·7		32·0	13·9	
9·4		33·5	57·7	
9·7	57	9·5	53·7	
8·9		13·5	14·6	8·8 –
8·8		15·5	15·4	9·0 –
9·6		45·9	2·4	
9·4		59·5	13·9	
10·2	58	21·0	42·2	
9·9		27·0	21·9	
9·9		31·0	45·2	
10·2		37·4	53·1	
10·2		41·5	23·9	
8·9		56·5	40·2	9·0 a
10·1		59·5	56·5	
9·7	59	22·0	20·2	
9·4		26·0	23·3	
10·2		44·0	29·5	
9·8		49·5	47·5	
10·0	0	20·0	14·9	
10·2		33·5	40·5	
10·1		54·5	48·5	
10·2		54·5	9·2	
9·6	1	18·3	26·4	
10·1		18·5	34·3	
9·0		36·3	43·7	9·5 Wa
10·0		54·5	30·9	
9·7		55·3	47·6	
9·4		56·8	43·9	
8·9	2	3·5	49·3	a
10·0		23·0	12·5	
10·1		25·5	50·9	
10·0	3	3·7	37·3	
9·8		19·7	43·9	
10·1		25·2	27·6	
9·0		25·7	56·7	9·2 Ga
9·3		37·7	39·7	–
10·0	4	13·7	31·1	
9·0		16·2	12·4	8·5 Ga
10·0		21·7	2·9	
10·0		24·2	9·3	
9·8		25·7	0·1	
10·0		35·7	40·9	
9·6		41·7	16·1	
	+0	59·3	+2·2	

781—840.

mag.	5ʰ m	s	−28° ′	
10·1	5	8·7	29·5	
10·1		9·2	34·5	
9·8		41·7	0·7	
10·0		58·2	56·4	
10·0		58·7	27·6	
10·1	6	25·2	54·5	
10·0		33·7	32·8	
10·1		34·0	20·3	
9·8		41·7	7·6	
10·0		43·7	7·3	
10·1		49·7	32·9	
9·4		59·3	52·5	–
8·5	7	1·3	22·4	8·5 G=
10·1		13·3	7·5	
10·1		14·8	15·9	
9·3		16·3	42·9	
9·0		17·3	26·6	9·5
8·8		23·3	2·1	9·0 a
9·5		35·3	40·1	
9·6		43·8	30·5	
8·8		54·3	36·8	–
9·0	8	2·3	12·8	
9·8		55·3	17·0	
9·3		55·3	5·4	
8·8		57·3	15·3	9·5 G
10·0		59·8	54·2	
9·5	9	14·3	2·5	
9·4		19·3	44·0	
10·0		24·3	15·4	
9·5		25·8	54·1	
10·1		26·3	0·7	
9·0		28·8	11·7	9·0
9·4		29·3	12·6	9·5
9·6	10	9·3	17·9	
7·2		14·8	28·6	7·2 GSb=
9·1		24·3	23·0	
9·0		37·3	53·6	
9·4		51·3	39·4	
9·4	11	5·3	12·8	
10·1		9·3	29·1	
10·1		10·8	25·3	
9·4		18·8	46·2	
9·8		19·3	18·6	
10·1		26·3	20·2	
8·6		31·8	16·5	8·2 Ga
9·5		33·3	1·8	9·5
10·0		37·3	52·9	
9·1		44·3	42·6	
10·1		56·3	7·3	
9·3		58·5	58·2	9·0
9·3	12	22·7	4·8	
10·0		33·2	12·0	
10·0		48·7	27·4	
8·6		52·7	18·4	9·0 a
9·6		59·7	0·8	
9·0	13	10·7	29·4	
9·5		26·2	22·6	
10·0		34·7	14·8	
9·5		57·2	43·9	9·0
9·5	14	25·7	38·8	9·5
	+0	59·1	+1·8	

841—900.

mag.	5h. m s	—28° ′	
10·1	14 34·2	16·6	
9·4	15 5·7	17·0	
10·1	8·2	45·3	
8·5	12·7	0·9	9·5 a
10·1	47·2	35·0	
8·8	16 2·7	30·3	9·0 Ga
9·8	19·7	45·0	
8·8	25·7	4·5	8·4 Ga
8·8	59·7	15·8	9·2 a
9·6	17 4·7	39·0	
10·1	36·2	52·7	
9·1	54·7	33·7	9·5 a
10·1	18 19·2	51·2	
10·0	24·7	43·7	
9·4	46·2	24·5	
10·0	19 2·2	45·0	
10·1	17·5	39·1	
9·0	31·4	52·6	9·5 G
9·6	47·9	28·9	
9·6	55·9	16·0	
10·1	20 31·9	49·9	
10·1	34·5	37·9	
10·0	52·9	59·0	
9·5	21 3·9	28·0	
10·1	3·9	6·0	
10·1	51·4	27·9	
9·8	22 13·9	52·3	
9·4	14·4	54·0	–
9·6	15·6	58·5	
9·1	27·4	0·9	9·5 a
9·3	36·4	9·0	
9·6	52·9	53·9	
9·4	59·4	53·2	
9·8	23 0·7	56·5	
9·6	4·9	5·0	
10·0	5·4	30·0	
10·1	7·4	2·0	
9·3	16·5	57·8	a
10·1	28·4	8·7	
9·6	28·9	37·2	
9·4	24 7·8	38·8	–
10·0	19·9	3·3	
9·4	26·9	54·4	
10·1	35·4	34·8	
9·8	46·2	33·1	
10·0	54·4	16·4	
10·0	25 0·2	23·7	
10·0	1·7	31·7	
9·4	11·2	37·1	
10·0	14·2	17·2	
8·8	18·7	32·0	8·0 GW=
9·4	20·7	10·6	8·8 a
8·8	36·7	49·6	9·5 a
8·6	39·2	52·6	9·0 a
9·8	51·2	54·8	9·5
8·1	26 7·2	37·7	8·2 GW–
8·6	44·7	11·9	8·5 Ga
9·9	45·2	48·0	
10·0	27 6·1	53·6	
10·0	17·6	10·0	
25pr.	+0 58·9	+1·3	

901—960.

mag.	5h. m s	—28° ′	
9·8	27 53·6	36·1	
8·8	28 5·6	15·7	9·5
10·0	20·1	39·2	
9·4	42·1	10·4	
8·8	49·6	48·9	9·0 G–
8·8	29 0·1	14·2	8·0 Ga
9·4	4·6	7·3	9·2 a
8·8	6·1	43·2	–
10·0	6·6	52·1	
9·3	14·1	34·2	
9·3	19·6	35·9	
10·0	23·6	18·7	
9·4	29·6	42·4	
9·3	37·1	25·4	9·0
9·9	39·6	57·7	
9·8	39·6	28·6	
9·4	55·6	36·2	
9·8	56·6	31·9	
9·9	58·1	22·5	
9·9	30 5·6	55·8	
10·0	32·6	25·6	
10·0	42·1	18·2	
9·6	47·6	32·3	
9·2	31 1·6	6·8	
6·9	17·1	47·3	6·8 GStπ
9·4	26·6	8·9	
10·0	29·8	1·5	
10·0	30·1	51·0	
9·2	45·8	59·3	
9·6	32 35·1	46·4	
10·0	39·6	31·1	
7·7	45·6	42·0	7·2 GStπ
8·6	49·6	5·2	8·8 Ga
6·3	52·1	45·8	5·2 GStπ
10·0	33 12·6	37·8	
9·9	25·6	9·8	
10·0	34·4	36·1	
8·5	37·1	34·0	
7·7	41·1	54·6	8·0 G–tπ
9·2	42·6	10·2	9·5 Ga
9·9	45·5	55·8	
9·2	46·6	6·2	9·2 Ga
9·9	46·9	43·9	
9·9	50·4	47·0	
10·0	34 11·4	51·6	
9·4	17·4	13·7	a
8·8	19·9	39·5	8·7
9·5	41·9	45·8	
9·2	50·9	50·0	
9·2	35 14·4	50·4	
9·8	27·9	47·0	
8·8	52·4	20·3	a
10·0	36 2·9	40·1	
9·2	2·9	1·1	8·8 Ga
8·8	18·9	38·0	9·0 a
10·0	31·9	28·9	
9·2	44·9	15·5	
8·7	48·9	8·0	9·3 a
8·8	54·9	49·9	a
9·8	58·1	1·1	
	+0 58·8	+1·0	

961—1020.

mag.	5h. m s	—28° ′	
9·2	37 19·4	58·8	
9·4	26·5	59·5	
9·6	40·5	59·2	
9·5	44·4	30·6	
9·0	44·4	47·4	
9·4	51·9	3·9	a
9·4	52·9	19·2	
9·6	38 7·4	7·6	
9·3	19·9	6·2	
9·9	36·9	16·0	
9·8	44·9	14·5	
9·5	45·4	15·1	
9·6	52·9	0·3	
8·8	39 12·9	16·9	8·3 –
9·0	14·9	40·0	9·0 G–
10·0	19·9	14·9	
9·4	21·7	3·1	a
10·0	54·4	14·2	
10·0	54·9	14·0	
9·6	40 3·9	17·8	
10·0	5·9	44·3	
10·0	15·4	24·1	
9·3	16·9	42·2	
9·6	22·4	26·2	
10·0	33·5	0·8	
9·5	38·8	25·8	
9·3	49·3	48·5	
9·2	41 10·3	9·1	
7·9	42 1·8	56·0	8·0 GSb
9·0	10·3	18·9	9·0 –
6·3	12·3	41·1	6·5 GSb–
10·0	24·8	53·7	
9·6	33·8	14·5	
9·8	36·8	59·7	
8·9	45·3	18·4	
8·8	56·8	35·5	9·0 –
9·8	43 27·8	3·8	
9·8	38·3	50·1	
9·8	43·3	8·1	
9·4	44 10·3	8·7	
9·0	11·3	25·2	8·8 =
9·4	15·0	1·8	
9·4	17·3	45·8	
9·6	26·3	50·1	
10·0	32·7	51·2	
9·6	40·3	29·9	
9·2	45·8	36·3	9·0
10·0	49·3	9·1	
9·2	50·3	21·5	
9·6	45 5·8	58·0	
8·9	25·3	4·7	b
9·4	46 13·3	13·1	
9·4	18·3	27·6	a
8·2	35·3	22·4	9·0 a
9·6	36·3	11·1	
10·1	47 1·5	7·0	
10·2	12·7	41·7	
10·2	23·0	3·1	
8·8	23·7	41·2	9·0 a
10·1	25·5	21·6	
	+0 58·7	+0·7	

1021—1080.

mag.	5h. m s	—28° ′	
9·8	47 33·0	4·4	
9·0	42·5	13·4	a
10·1	48 32·5	4·0	
9·6	32·5	35·6	
8·6	41·5	22·3	9·5 a
9·6	46·3	57·0	9·5
10·0	49 32·0	56·8	
9·4	40·5	11·9	
9·0	45·5	56·5	W
10·3	53·2	46·2	
10·3	50 2·7	13·4	
9·0	15·2	43·4	
10·2	27·7	32·0	
9·4	33·2	14·4	
8·8	43·2	58·6	7·8 GWa
9·7	51 2·7	52·8	
10·3	14·7	27·8	
10·2	19·7	9·5	
10·3	20·2	45·6	
9·4	46·2	29·9	9·0 Ga
10·3	52·7	39·8	
10·3	53·2	9·7	
10·2	56·2	27·6	
9·6	52 1·2	48·0	
8·4	6·2	46·4	8·5 GWa
8·2	21·7	53·7	8·5 GWa
8·8	22·7	27·6	Ga
9·8	26·7	6·6	
10·2	26·9	28·3	
9·7	27·2	35·0	
9·6	27·2	58·4	
9·4	31·7	32·8	
9·7	36·7	42·0	
9·3	38·2	15·8	
9·6	44·7	10·4	
10·3	53 4·7	53·4	
8·7	13·7	32·2	9·0 Ga
9·7	40·7	12·0	
10·3	46·7	58·4	
10·3	54 0·2	35·5	
9·4	1·7	46·8	
10·3	6·2	4·7	
10·3	12·7	29·2	
8·8	18·2	32·0	9·2 a
9·6	32·2	0·9	9·0 G
9·8	46·2	22·0	
10·0	59·9	16·3	
9·6	55 0·9	55·9	
10·0	11·4	56·9	
9·7	11·9	27·2	
10·2	30·4	3·0	
9·2	30·4	23·3	10·0
10·2	35·4	58·0	
10·2	56·4	3·8	
10·3	56 23·9	51·1	
10·0	35·9	3·3	
9·2	44·9	46·2	
10·3	46·9	22·8	
9·4	46·9	20·2	
9·6	48·9	22·0	
	+0 58·7	+0·3	

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1081—1140.

mag.	5h–6h m s	—28° ′	
9·6	56 52·9	17·3	
9·7	56·4	45·0	
8·7	57 0·9	20·2	
9·6	4·4	47·6	
10·3	8·9	8·9	
9·8	12·9	53·2	
9·6	16·4	29·5	–
10·3	36·9	11·2	
8·7	44·4	19·0	9·0
10·0	45·9	32·7	
9·7	55·9	24·9	
10·3	58 0·9	12·2	
8·8	20·4	11·3	9·5 a
10·3	23·9	34·3	
8·3	45·9	54·5	8·8 G–
10·2	52·9	26·4	
10·3	59 6·4	12·8	
10·0	16·4	40·6	
8·3	43·4	35·2	9·0 GW
10·3	45·4	8·7	
8·3	45·9	36·6	8·0 GW–
7·4	48·4	3·3	7·5 GSa
10·3	48·4	29·7	
10·2	50·9	21·2	
9·8	55·4	7·8	
10·3	0 5·7	10·0	
10·2	14·2	57·2	
9·2	19·7	34·0	9·5
10·3	31·2	8·6	
7·8	31·7	39·8	8·5 GWa
9·8	33·2	38·0	
9·6	33·2	20·2	
9·8	1 4·2	34·2	
9·8	9·7	27·2	
10·3	14·2	39·0	
10·2	16·7	42·0	
9·2	28·7	35·7	
8·8	30·7	6·2	8·5 Ga
8·6	38·7	26·7	8·0 G–
10·3	40·2	49·6	
9·7	46·7	24·8	
10·3	53·2	12·1	
8·6	2 1·2	30·3	8·5 a
9·2	4·2	1·1	9·5 a
10·3	4·2	45·9	
9·0	8·2	10·2	9·5 a
10·1	26·7	17·2	
10·3	30·7	14·4	
10·1	43·7	37·0	
9·8	57·2	17·0	
10·0	3 1·2	15·3	
10·3	9·7	20·2	
8·1	10·7	23·5	8·5 G
10·3	10·7	56·3	
10·2	16·7	40·0	
9·2	22·2	42·2	
9·2	23·7	41·9	–
10·3	29·2	55·0	
10·3	46·2	52·6	
9·6	53·2	35·0	
25pr.	+0 58·7	0·0	

1141—1200.

mag.	6h. m s	—28° ′	
9·6	3 53·7	4·5	
9·0	56·2	15·7	
9·2	59·7	37·2	
9·4	4 1·7	27·1	
9·6	8·7	3·6	
9·6	10·7	25·6	
9·2	13·6	52·6	
10·3	23·1	41·0	
9·2	33·6	55·7	
10·0	34·6	27·6	
10·1	43·1	16·6	
9·6	44·1	8·2	
10·2	48·6	5·0	
10·2	51·1	49·6	
10·0	56·6	45·9	
10·3	56·6	5·0	
10·2	57·9	31·2	
9·8	5 8·1	8·2	
10·0	10·1	35·0	
9·4	12·6	0·3	
8·9	18·6	8·7	a
10·2	6 0·9	54·8	
8·6	3·1	27·0	a
9·6	5·1	55·0	
10·0	8·1	13·9	
9·0	12·1	54·4	9·5
10·3	12·1	53·2	
8·6	13·1	46·8	9·0 Ga
8·0	15·1	34·3	8·5 Ga
10·1	21·6	16·2	
9·6	7 23·1	33·8	
9·7	24·1	18·0	
9·6	38·1	24·9	
10·0	38·1	32·2	
7·9	40·1	59·2	7·5 GSb
9·2	53·6	1·1	
10·3	55·1	6·0	
10·0	59·1	35·3	
9·7	59·6	41·7	
9·6	8 1·6	21·0	
9·7	1·6	41·5	
7·6	5·6	25·8	7·5 GStπ
9·2	9·1	54·2	a
10·1	12·3	9·8	
10·3	14·8	43·1	
9·4	16·8	6·0	
9·7	33·8	45·0	
10·2	37·8	7·3	
10·0	39·3	31·2	
10·3	40·6	9·8	
8·3	41·3	50·1	9·0 a
10·3	44·8	10·1	
9·8	46·8	32·2	
9·7	54·8	8·9	
10·1	9 11·3	42·6	
9·7	24·6	19·5	
8·5	28·6	29·1	9·0 a
10·3	29·8	2·2	
8·5	34·8	36·5	9·0 Wa
10·0	39·3	33·5	
	+0 58·7	−0·3	

1201—1260.

mag.	6h. m s	—28° ′	
9·8	9 48·3	5·8	
9·8	49·3	20·1	
10·3	54·8	59·6	
10·3	54·8	55·8	
10·2	10 1·3	22·0	
8·1	1·8	42·1	8·5 GWa
8·4	5·9	10·3	W–
9·4	30·3	59·6	
9·8	30·8	1·4	
9·8	43·0	14·3	
9·3	47·5	15·8	9·0 a
9·4	50·5	18·9	9·5
8·7	11 21·0	7·2	9·5 a
9·8	33·5	32·4	
10·0	41·5	8·8	
9·0	55·0	53·5	9·0 Ga
9·9	12 34·5	40·4	
9·9	41·5	39·5	
9·3	43·0	51·8	
9·2	43·5	52·1	
9·8	13 5·5	40·3	
10·0	14·0	6·2	
9·3	21·0	55·8	W
9·6	24·2	16·4	
9·8	26·2	27·9	
9·4	27·5	58·6	
9·4	29·5	33·6	
9·3	31·0	36·1	
9·2	31·5	21·1	
9·3	33·0	11·7	
10·0	35·5	41·3	
9·8	40·0	41·1	
9·0	41·0	7·8	9·0
8·8	41·5	18·7	
9·9	46·5	34·9	
9·9	51·0	37·2	
9·8	51·5	46·9	
9·5	52·5	7·3	
8·4	57·0	4·6	8·0 –
9·0	14 9·5	53·7	a
8·8	13·0	14·7	
9·0	18·0	57·9	8·5 GWa
9·5	19·5	38·7	
9·6	22·4	3·1	
9·9	36·4	22·0	
9·8	53·4	57·2	
9·1	58·4	50·9	
10·0	15 19·4	1·5	
9·5	26·9	13·0	
9·5	33·9	43·4	
9·4	41·9	53·0	
9·9	43·4	50·1	
9·4	55·2	59·9	9·5 a
10·0	16 16·9	45·4	
9·9	18·9	53·4	
9·8	24·9	54·8	
9·9	24·9	25·6	
9·5	40·1	0·0	
10·0	45·9	5·1	
9·9	48·4	57·8	
	+0 58·7	−0·5	

1261—1320.

mag.	6h. m s	—28° ′	
9·9	17 2·9	2·2	
9·7	35·9	3·4	
9·9	53·9	51·8	
9·6	55·9	15·1	
9·0	57·4	48·4	9·2 G
9·2	18 23·9	23·7	
9·5	26·9	23·1	
9·0	27·4	13·0	Gb
9·5	31·4	15·8	
9·8	36·9	19·6	
9·9	37·9	45·4	
9·4	43·4	54·8	
9·6	43·9	41·4	
9·6	57·9	12·2	
9·9	19 9·4	19·0	
9·4	21·4	53·5	9·0
10·0	30·4	40·1	
9·5	43·9	9·6	
7·5	52·4	42·4	6·8 GSa
9·8	53·2	54·0	
10·0	56·4	45·1	
9·7	58·4	55·1	
10·0	20 0·9	22·2	
8·6	14·2	37·7	9·5 a
9·9	17·2	26·3	
9·6	21·0	36·9	
9·7	30·5	9·5	
9·6	46·5	32·9	
9·7	21 12·0	11·1	
9·1	16·5	37·1	a
9·4	20·0	16·7	
9·6	44·5	11·1	
9·2	46·5	45·2	9·0 Ga
9·6	47·5	9·c	
9·6	57·5	42·6	
9·8	22 9·5	11·9	
9·8	9·5	14·4	
9·8	12·0	26·9	
9·5	14·0	45·1	10·0 a
10·0	14·5	48·2	
10·0	20·5	43·0	
9·0	21·0	23·3	9·0 a
9·8	44·0	59·3	
9·6	23 6·0	27·5	a
9·4	15·0	8·6	
9·0	18·0	10·7	a
9·5	36·5	32·6	
9·5	38·5	19·7	
8·9	47·0	9·5	8·5 Ga
9·1	52·0	35·0	a
10·0	24 10·0	47·3	
10·0	14·5	4·1	
9·6	22·0	25·8	
10·2†	31·0	59·0	
9·4	37·5	47·9	
10·0	39·5	40·9	
9·9	52·0	10·1	
9·9	53·0	33·4	
9·7	56·5	37·0	
9·5	25 2·0	44·6	
	+0 58·7	−0·8	

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1321—1380.

mag.	6h. m	s	–28° '	
8·4	25	11·5	34·2	8·8 G=
9·4		24·0	26·8	
10·0		30·5	13·6	
10·0		43·0	38·9	
9·0		47·0	59·6	9·0 a
9·0		59·5	10·2	
9·0	26	2·0	8·9	
9·0		8·5	22·5	9·5 Ga
9·4		19·5	10·9	
9·9		33·5	21·8	
9·5		36·0	35·5	
10·0		44·0	0·0	
10·0		50·0	27·7	
9·7		53·8	0·6	
9·6		56·0	41·5	
9·5		58·0	36·0	
9·4	27	3·5	26·2	
10·2†		15·0	57·0	
9·4		16·0	41·1	
10·0†		23·0	53·5	
10·0		46·5	38·2	
10·0		57·0	7·4	
9·8	28	4·5	6·0	
10·0		9·0	14·0	
9·7		13·0	15·4	
9·2		21·0	53·0	
9·0		39·0	30·5	
9·8		41·2	33·7	
8·9		46·5	47·7	
9·8		57·0	46·0	
9·7	29	12·5	18·5	
9·9		46·7	1·0	
9·8		59·5	44·8	
9·5	30	1·5	20·6	
10·0		8·0	21·4	
9·8		32·0	38·0	
10·0		34·5	13·0	
9·8		35·0	55·1	
9·6		42·0	24·1	
9·5		49·4	50·2	
10·0		52·5	10·4	
9·7	31	0·0	23·6	
9·4		15·0	34·0	
8·4		15·5	44·0	7·5 GSb=
9·2		17·0	15·4	
9·5		37·0	46·2	
9·4		56·5	7·0	
9·4	32	0·5	14·2	–
8·4		9·7	36·0	7·5 GSb=
10·0		19·0	17·4	
10·0		30·0	1·7	
10·0†		35·8	55·2	
9·1		39·4	52·3	
9·4		46·5	28·6	
10·0		53·5	9·5	
8·4	33	4·0	23·4	9·0 GSb–
10·0		8·0	40·7	
9·9		14·7	39·6	
8·4		22·2	55·7	Ga
9·5		22·9	40·0	
25pr.	+0	58·8	–1·1	

1381—1440.

mag.	6h. m	s	–28° '	
8·4	33	31·5	41·0	–
9·3		47·4	28·4	–
8·7		53·9	38·8	–
9·9		58·4	58·3	
9·9	34	1·9	40·1	
9·9		3·4	43·2	
9·7		20·9	12·6	
8·9		31·9	19·7	8·5 GW–
9·0		36·4	57·0	
8·4		37·4	56·2	Ga
9·0		52·9	33·8	
9·9	35	13·4	49·7	
9·3		15·4	34·6	
9·7		28·4	15·2	
9·0		28·9	6·8	a
8·0		38·4	9·0	GSa
9·3		43·9	32·3	
9·9		47·9	32·6	
9·9		51·9	30·1	
7·7		52·9	44·1	a
9·9		57·0	53·9	
8·9	36	15·0	56·8	a
9·9		36·4	38·6	
9·4		42·0	56·6	a
8·6		42·9	10·3	Ga
9·2		48·4	5·9	
9·4		51·4	46·6	
9·9	37	13·1	3·1	
9·7		33·1	8·8	
9·8		34·6	27·7	a
9·5		38·1	55·7	
9·9		43·1	10·3	
9·9		48·1	46·7	
8·6		59·1	44·5	a
9·3	38	1·1	23·1	
9·1		3·1	54·4	
9·0		3·6	4·1	8·5
9·2		5·1	56·0	
9·9		11·9	0·9	
7·9		13·6	13·7	7·5 GSb–
9·8		14·6	41·1	
8·9		17·9	59·9	8·8 Ga
9·9		27·1	2·6	
9·3		31·6	54·8	
9·9	39	9·6	12·6	
9·3		12·1	10·1	
9·4		26·1	50·1	
9·9		33·6	24·9	
9·5		44·6	53·3	
9·4		53·1	16·0	
8·8		53·3	56·8	8·8 a
8·2		53·6	46·1	8·5 Ga
9·9		57·1	45·2	9·5
9·8		59·6	50·4	
9·9	40	6·6	4·2	
9·3		29·1	18·5	8·8 a
9·9		33·1	39·9	
9·5		36·1	17·5	
9·6		52·1	16·1	
9·9		58·1	50·9	
	+0	58·9	–1·4	

1441—1500.

mag.	6h. m	s	–28° '	
7·8	41	3·6	40·8	8·0 GWa
9·7		6·1	37·9	
9·9		14·0	11·0	
9·4		19·6	8·1	
8·8		21·6	3·8	8·2 Ga
9·9		23·6	23·5	
9·5		29·1	7·3	
9·8		31·6	22·5	
8·3		52·1	53·7	8·5 G–
9·4		52·6	0·5	9·0 a
9·9		56·0	56·3	
9·8		58·6	50·4	
9·9		59·6	3·3	
9·7	42	0·1	45·5	
9·3		4·6	16·1	9·0
9·5		6·6	55·8	
9·9		21·1	23·0	
9·4		22·6	24·1	
9·5		23·1	35·0	
9·5		25·6	16·5	
9·9		30·6	41·5	
7·5		32·6	25·3	7·8 GSbt
8·8		33·1	26·2	8·0 GWb–
8·8		37·1	4·9	8·5 a
9·9		44·1	49·9	
9·9		48·1	4·5	
9·9		51·0	6·9	
9·7		59·1	10·1	
9·0	43	10·6	18·9	8·5 G
9·8		26·6	17·7	
9·5		31·1	53·1	
9·4		35·6	7·3	
9·8		39·1	37·8	
9·9		40·1	23·5	
7·7		40·6	4·7	7·5 GSa
8·3		42·6	13·8	8·3 Wa
9·9		43·1	24·3	
8·6		49·1	36·5	W–
9·7		50·1	52·6	
9·4	44	2·6	47·4	
9·9		2·6	55·1	
9·1		8·1	46·5	9·5
9·9		13·0	24·4	
7·6		23·1	49·9	7·5 GSa
9·8		30·1	43·1	
8·2		32·1	30·6	7·5 GSa
9·9		52·6	50·8	
9·4		52·6	35·1	
9·1	45	1·8	32·4	9·0 G
9·7		3·3	18·1	
9·9		9·8	36·1	
9·9		10·1	13·4	
9·9		22·3	53·3	
9·9		23·8	7·5	
9·6		26·8	25·9	
9·9		35·1	0·0	
9·9		39·3	13·5	
9·9		40·8	4·9	
8·8	46	0·3	47·1	8·5 a
8·2		3·8	33·7	8·0 W=
	+0	59·0	–1·6	

1501—1560.

mag.	6h. m	s	–28° '	
8·8	46	6·3	9·0	
9·4		7·3	3·9	
8·0		11·3	35·1	8·0 W–
9·9		13·3	8·1	
8·8		16·8	56·1	8·8 a
9·7		19·3	17·3	
9·2		43·3	29·1	8·8
9·9		54·3	2·9	
9·9		58·3	59·5	
9·7		58·3	24·8	
9·8	47	1·8	51·9	
9·7		5·8	32·1	
9·5		8·8	56·7	
8·6		22·8	29·0	8·5 W=
8·5		26·8	29·4	10·0
9·7		27·8	14·7	
9·0		33·8	56·9	8·5 Ga
9·7		40·3	8·9	
9·9		40·3	48·3	
9·9		53·3	34·3	
9·5		54·3	36·5	
9·8	48	3·3	51·1	
9·9		14·8	42·5	
9·6		32·3	22·8	
7·2		35·3	22·3	6·5 GStπ
9·7		42·8	33·9	
9·6		43·3	50·1	
9·9	49	2·3	22·5	
9·0		3·0	2·2	
9·8		7·9	22·8	9·5
9·5		14·9	12·4	
9·6		23·9	32·7	
9·8		24·4	1·9	
8·6		26·4	47·5	9·0 GW–
9·7		30·4	34·6	
9·9		41·4	7·9	
9·6		44·4	46·8	
9·9		47·4	7·1	
8·3		52·4	13·1	8·5 Ga
9·5	50	2·9	41·7	
9·3		5·9	38·1	
9·9		5·9	6·9	
9·9		12·9	5·9	
7·9		20·9	52·6	7·0 GSa
8·4		28·4	29·7	8·5 Ga
9·3		33·9	54·2	
9·9		43·4	21·2	
9·3		44·1	12·7	
9·9		46·9	8·9	
9·0		48·4	26·8	8·8 G
9·3		49·4	7·0	
9·1		55·4	23·4	
9·9		56·4	44·8	
9·7		56·9	9·3	
9·0		59·4	9·6	9·0
9·8	51	2·9	9·4	
9·9		14·4	4·0	
9·0		20·4	29·4	
9·3		36·4	45·1	
9·9		42·4	23·2	
	+0	59·1	–1·8	

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1561—1620.

mag.	6h. m s	−28° ′	
9.9	51 43.4	39.3	
9.8	47.4	34.1	
9.5	55.4	32.2	
8.4	59.4	32.1	8.3 Ga
9.9	52 12.4	5.1	
9.9	17.4	14.0	
9.6	22.4	58.8	
9.2	24.4	10.7	
9.7	28.4	17.4	
9.4	31.4	0.0	G
9.8	34.2	48.1	
9.2	34.7	13.9	9.2
9.5	41.7	56.1	
9.4	41.7	27.1	
9.6	48.7	23.8	
9.3	49.7	51.6	
9.1	54.7	53.8	
9.7	56.2	39.5	
9.6	53 6.7	37.9	
9.8	7.7	53.1	
9.9	11.7	30.8	
9.7	23.7	41.0	
9.7	23.7	46.7	
8.7	29.7	54.5	9.0
9.8	30.2	24.9	
3.2	43.7	48.2	2.0 GSπβ
9.6	43.7	23.1	
9.9	43.8	14.3	
9.8	46.2	57.6	
9.9	47.2	10.3	
9.8	54.0	18.8	
9.6	58.4	42.8	
9.9	54 2.4	42.5	
9.8	4.8	51.0	
9.8	9.9	39.6	
7.7	10.2	47.5	8.2 GStπ
9.9	17.8	8.8	
9.8	19.4	54.5	
9.5	19.4	14.7	
9.8	20.4	1.6	
9.9	30.7	10.0	
9.7	34.7	9.1	
9.9	42.4	8.7	
9.9	45.2	32.0	
9.0	45.7	45.5	
7.6	47.4	13.6	8.0 GSa
9.7	47.9	23.2	
9.9	55.9	57.9	
9.5	55 4.1	59.1	
9.8	5.1	3.2	
9.2	6.6	14.2	
8.1	7.4	0.2	–
9.8	13.1	27.9	
8.5	18.6	26.0	8.5
9.8	22.6	15.5	
9.4	36.1	46.4	
9.0	37.1	49.0	
9.7	42.3	1.4	
7.8	46.1	18.9	7.0 GSb
7.6	53.1	24.2	
	+ 0 59.2	−2.0	

1621—1680.

mag.	6h.—7h. m s	−28° ′	
9.8	55 57.6	24.7	
9.8	56 6.1	18.7	
9.4	11.1	31.7	
9.6	18.1	33.3	
9.6	22.1	37.0	
8.5	27.1	52.8	9.0 –
9.4	31.6	16.8	
9.4	35.6	48.6	
9.7	59.6	10.8	
9.8	57 6.1	0.4	
9.4	6.6	41.3	
9.4	8.1	24.0	
9.6	9.6	53.3	9.0
8.7	10.1	44.3	9.0 –
9.6	10.1	50.8	
9.0	15.6	27.8	8.5 G–
9.4	21.6	34.9	
8.3	22.1	6.1	8.2 Gb
9.2	22.6	10.6	9.0 Gb
9.4	26.1	37.3	
9.8	30.1	18.6	
9.8	31.1	4.7	
9.3	33.1	5.7	
9.8	41.1	15.2	
9.8	41.6	52.4	
9.8	52.1	3.0	
9.6	55.1	7.5	
9.6	57.3	36.5	
9.5	57.6	18.8	
9.6	59.3	3.9	
8.8	58 2.3	26.4	9.5
9.6	4.8	18.0	
9.6	7.8	55.2	
9.6	17.8	25.6	
9.6	18.8	38.8	
9.6	28.3	30.0	
8.4	37.8	39.3	9.0 b
9.8	38.3	52.1	
9.4	38.8	51.0	
8.8	43.3	50.0	8.5
9.6	47.3	55.4	
9.4	53.3	40.5	
9.7	55.8	51.9	
9.8	56.3	43.6	
9.2	58.3	18.9	
9.8	58.8	35.3	
9.6	59 1.8	6.4	
9.5	11.3	9.4	
9.0	15.8	55.2	8.5 Gb
9.6	17.3	53.8	
8.8	28.3	42.6	9.0 a
9.4	36.3	41.3	
9.6	47.3	32.6	
9.8	55.3	6.1	
9.4	0 2.8	26.3	
9.5	9.3	58.6	
9.4	9.3	51.9	
9.8	17.3	4.4	
9.4	19.8	56.9	
9.7	21.8	51.5	
	+ 0 59.3	−2.1	

1681—1740.

mag.	7h. m s	−28° ′	
9.8	0 21.8	34.8	
9.8	22.3	9.6	
9.6	25.8	41.0	
8.3	33.8	52.9	8.5 Ga
8.9	42.3	22.0	
9.0	48.3	5.5	
9.2	49.3	19.2	
9.0	50.8	18.0	–
9.8	50.8	1.9	
9.6	51.3	45.1	
9.6	52.3	26.0	
9.8	57.3	20.9	
9.6	1 0.3	41.8	
9.0	3.3	7.9	
9.6	6.3	0.4	
9.8	14.8	47.3	
9.8	14.8	17.2	
9.0	22.3	10.5	
9.0	22.3	8.6	8.8
9.6	25.3	50.9	
9.8	33.9	0.0	
9.7	35.3	29.2	
9.8	37.1	0.9	
9.7	37.8	17.5	
9.2	39.3	38.4	
9.8	41.3	39.1	
9.6	43.3	51.3	
9.6	46.3	9.3	
9.5	47.3	56.0	
9.7	57.8	16.8	
9.8	2 0.3	15.1	
9.7	5.8	11.7	
9.0	11.8	12.7	9.5
9.7	12.3	2.0	
9.8	24.3	38.8	
8.4	31.3	4.7	9.0
9.7	31.3	29.9	
8.8	32.8	21.3	
8.2	35.3	4.1	8.5 a
9.6	39.8	17.3	
8.6	46.3	47.7	G–
9.4	51.3	28.3	
9.8	3 1.3	13.1	
8.3	5.8	22.7	
8.4	8.3	0.3	8.7 a
9.8	16.3	9.8	
9.2	22.8	26.8	
9.7	30.1	0.2	
8.2	36.8	25.0	
8.8	41.3	9.6	10.0
9.3	42.3	13.4	
9.6	43.1	25.1	
8.8	54.3	49.2	8.0 G–
9.0	56.3	6.0	
9.8	59.3	20.2	
9.8	4 1.3	6.3	
9.0	9.8	45.0	–
9.8	16.3	22.7	
9.4	22.8	48.3	
9.8	26.3	23.4	
	+ 0 59.3	−2.2	

1741—1800.

mag.	7h. m s	−28° ′	
9.4	4 28.8	49.2	
9.8	32.8	56.6	
8.0	35.8	14.6	8.8 –
8.8	36.3	47.3	
9.3	39.8	31.9	
9.0	41.3	4.4	8.5
9.6	42.3	10.4	
9.7	50.3	46.1	
9.4	54.3	51.6	
9.1	58.3	24.4	
9.3	59.8	27.1	
7.6	5 3.3	32.7	8.0 GSb≡
9.5	8.3	24.0	
9.4	10.1	34.0	
9.8	11.8	38.8	
9.7	16.3	31.7	
9.8	17.3	45.9	
9.1	26.3	43.8	
9.7	31.3	4.1	
9.4	32.3	12.1	
9.7	38.8	14.5	
9.4	39.3	51.9	
9.8	45.3	50.8	
9.8	6 2.3	10.5	
9.4	11.8	52.7	
9.4	12.3	55.0	
9.5	13.3	28.1	
9.5	24.3	16.8	
8.8	26.8	4.7	
9.7	28.8	22.3	
9.0	32.8	52.5	10.0
9.2	34.8	31.7	
9.8	36.3	26.1	
9.3	37.3	24.8	
9.5	38.8	7.1	
8.8	38.8	17.3	
9.8	39.8	29.9	
9.8	41.3	57.1	
9.6	42.8	9.7	
9.0	45.3	40.1	
9.6	50.8	43.5	
9.8	51.5	0.7	
9.0	52.3	56.5	9.0
9.0	56.8	47.8	8.5 –
8.8	57.3	11.7	8.5 –
9.5	7 3.8	39.8	
9.4	20.3	51.3	
9.5	27.3	18.9	
9.3	31.3	36.4	
9.6	33.8	13.5	
9.6	42.7	2.2	
9.4	44.9	59.2	
9.8	53.3	42.3	
9.1	54.3	18.5	
8.8	56.5	0.8	9.5 Ga
9.4	8 0.3	15.5	
9.7	1.3	45.1	
9.4	3.8	38.3	
9.6	4.8	37.7	
9.8	6.8	54.3	
	+ 0 59.4	−2.4	

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1801—1860.

mag.	7h. m	s	−28° ′	
8.9	8	8.3	57.8	10.0
8.5		11.8	18.0	–
9.4		16.8	30.0	
9.0		18.3	41.2	
9.6		21.3	15.4	
9.6		24.3	37.9	
9.4		25.3	3.8	
9.7		31.3	54.6	
7.9		32.3	58.2	8.0 Ga
9.6		34.8	14.5	
8.9		44.8	23.7	8.5 a
9.6		47.3	46.1	
9.4		55.8	37.3	
9.8	9	3.3	0.3	
9.4		8.8	13.1	
8.4		11.3	18.3	8.5 a
9.6		12.3	21.3	
9.7		13.3	58.7	
9.3		30.3	37.9	
9.4		30.8	40.6	
9.0		33.8	47.1	
9.4		41.8	47.0	
9.3		42.2	40.4	
9.3		44.2	42.5	
9.6		45.7	41.3	
9.7		54.7	3.3	
7.5		59.2	44.9	Ga
9.2	10	0.2	6.9	
9.4		1.2	51.5	
8.8		1.7	5.1	10.0
9.8		5.7	47.7	
9.7		8.0	33.0	
9.0		20.2	28.4	
8.5		20.2	8.8	8.0 GWa
9.7		24.7	4.5	
8.7		26.7	17.1	9.0 a
9.5		27.2	46.1	
9.5		32.7	59.6	
9.4		38.7	30.3	
9.6		39.2	15.5	
9.7		42.7	48.9	
9.8		43.2	20.8	
9.7		46.2	26.7	
9.7		51.2	40.5	
9.4		53.2	57.5	
9.8		55.7	58.7	
9.7		57.2	22.4	
9.3	11	5.7	40.9	
9.6		6.7	57.3	
9.0		18.2	4.0	10.0
9.6		21.2	22.9	
9.6		21.8	9.9	
9.2		24.2	49.3	
9.8		35.1	35.8	
9.2		37.1	30.6	
9.0		37.6	16.9	
9.8		41.1	10.4	
8.7		47.1	27.0	8.5 Wa
9.7		52.6	14.3	
9.7	12	2.1	41.3	
25pr.	+0	59.5	−2.5	

1861—1920.

mag.	7h. m	s	−28° ′	
9.6	12	4.1	14.0	
9.1		8.1	57.6	
7.6		9.1	22.6	7.5 GSa
9.6		19.1	3.7	
8.4		20.1	49.1	8.0 G=
9.6		22.1	29.2	
9.6		24.6	5.0	
8.9		25.6	30.8	
7.6		26.1	54.4	7.5 G–
9.7		30.1	19.0	
9.6		32.1	27.3	
9.4		38.1	34.3	
9.4		40.1	3.4	
9.7		45.6	15.8	
8.4		48.6	3.8	8.5 Ga
9.5		59.6	37.9	
9.3	13	2.7	29.8	9.0 a
9.8		3.1	22.0	
9.2		3.6	25.1	
9.8		6.6	4.9	
9.2		8.1	16.6	
8.5		11.1	42.9	8.5 a
9.3		11.1	44.7	
9.4		40.1	55.4	
9.6		42.1	37.3	
8.7		48.1	46.6	9.0
9.4		49.1	22.7	
9.6		50.1	10.2	
9.3	14	4.1	52.9	
9.6		14.1	31.4	
8.7		14.6	47.0	8.0 Ga
9.5		17.1	27.9	
9.5		31.6	54.6	
9.4		40.6	14.3	
9.0		43.1	26.5	
9.8		47.1	52.9	
9.8		51.6	19.2	
9.0		54.6	46.9	8.5 a
9.4		56.1	14.4	
9.5	15	0.1	15.7	
8.7		1.1	16.2	a
9.6		2.1	42.9	
9.8		7.6	9.8	
9.6		9.1	37.4	
9.6		9.1	44.4	
9.8		11.8	58.6	
9.8		12.1	21.5	
9.7		14.1	24.8	
9.8		15.6	14.9	
9.3		18.6	33.2	
9.3		25.6	43.0	
9.4		26.1	45.8	
9.4		27.1	11.8	
9.4		36.1	2.5	
9.7		42.1	31.4	
9.7		42.1	43.1	
9.7		44.6	1.9	
9.6		46.6	3.9	
9.7		54.2	43.8	
9.3		57.1	27.2	
	+0	59.6	−2.7	

1921—1980.

mag.	7h. m	s	−28° ′	
9.6	15	57.6	10.5	
9.6		58.1	59.6	
9.6	16	0.1	10.9	
9.8		5.9	13.9	
9.1		9.1	23.5	
9.7		11.6	38.9	
9.8		18.6	3.0	
9.7		24.6	34.5	
9.6		26.1	13.9	
9.0		28.1	31.5	
9.8		30.5	23.1	
9.8		35.6	0.6	
9.3		37.6	16.1	
9.8		42.3	44.9	
9.0		49.1	26.8	
9.6		50.9	19.0	
9.6		57.1	49.2	
9.6	17	0.9	57.9	
9.5 –		1.4	13.7	
9.8		2.2	49.7	
9.4		10.1	58.9	
9.1		11.1	4.1	9.0 a
9.8		11.9	4.5	
8.8		13.7	3.0	
9.2		14.4	8.0	
9.1		16.9	43.9	
9.5		20.9	45.1	
9.4		26.4	36.5	
9.8		26.9	19.6	
9.0		28.7	40.4	
9.8		29.9	16.9	
9.0		32.2	39.1	
9.6		32.9	37.5	
9.8		37.7	31.9	
8.5		39.7	20.7	8.2 Ga
9.8		39.7	32.9	
9.4		41.7	10.5	
9.6		44.7	0.9	
8.8		50.7	25.5	
9.2		52.7	27.5	
9.8		53.7	7.9	
9.8		56.7	20.4	
8.7		58.4	50.1	9.0
9.8		58.4	34.5	
8.9	18	7.9	20.1	8.5
9.3		10.4	47.9	
9.6		12.9	3.7	
9.5		14.4	43.7	
9.8		14.4	51.9	
9.4		19.4	20.3	
9.2		22.4	36.8	
9.8		23.4	41.9	
9.8		23.9	41.5	
9.2		29.9	20.3	
9.8		31.4	19.2	
9.4		34.4	27.4	
8.2		43.4	10.1	8.0 –
9.7		45.4	47.5	
8.5		48.4	11.5	8.8
9.6		53.4	20.2	
	+0	59.6	−2.8	

1981—2040.

mag.	7h. m	s	−28° ′	
9.4	18	56.4	57.7	
9.7		58.4	50.9	
9.8		58.9	41.9	
7.2	19	9.4	35.1	8.5 GSa
9.5		14.4	52.5	
9.6		14.4	19.0	
9.8		19.4	6.3	
9.8		19.4	50.0	
9.5		24.4	43.1	
9.8		27.4	20.0	
9.6		29.4	19.5	
9.6		29.4	19.1	
9.0		32.4	4.7	
9.7		40.4	15.4	
9.2		40.6	59.0	
9.2		44.4	47.1	
9.8		46.9	54.6	
9.8		58.5	15.2	
9.4	20	7.0	5.1	
9.5		8.0	34.5	
8.1		12.7	59.4	9.0 Ga
9.3		13.5	12.2	
9.0		16.5	30.6	
9.3		23.5	50.2	
9.8		30.7	1.9	
9.8		32.5	31.8	
9.8		32.7	1.3	
9.0		34.5	16.4	
9.3		34.5	57.3	
9.4		36.0	8.6	
9.7		39.0	26.0	
9.8		49.0	33.1	
9.5		49.5	51.2	
9.4		50.0	14.5	
9.8		54.5	20.8	
8.9		57.0	51.2	9.0
9.8	21	9.0	4.0	
9.8		12.0	57.0	
9.4		16.5	41.6	
9.4		24.0	22.4	
9.8		25.5	28.5	
9.5		27.0	21.9	
9.7		30.0	13.0	
9.3		31.0	21.9	
9.4		34.0	50.0	
9.8		38.5	8.8	
9.2		39.0	53.1	
8.5		42.5	34.8	8.7 –
9.2		44.5	9.9	
9.8		44.5	52.2	
9.8		47.0	32.1	
9.6		49.2	37.5	
9.8		51.7	30.8	
9.4		56.7	14.8	
9.8		58.2	46.7	
9.6	22	9.7	4.6	
9.6		13.7	55.0	
8.8		15.7	11.3	9.0
9.6		16.2	26.1	
9.8		16.7	41.2	
	+0	59.7	−2.9	

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2041—2100.

mag.	$7^{h.}$ m	s	—28° ′	
8·8	22	18·2	1·7	
9·8		19·7	12·8	
9·8		24·7	39·3	
9·7		25·2	32·2	
8·7		27·2	3·4	9·0
9·6		29·2	35·5	
9·3		29·7	28·3	
9·6		30·2	30·1	
9·6		34·2	35·1	
9·7		35·7	20·0	
9·3		39·7	5·8	8·5
9·4		46·2	32·0	
7·5		49·7	7·2	7·5 GSa
9·7		51·7	7·7	
9·8		57·2	16·8	
8·7		59·7	13·5	8·1 Ga
9·3	23	0·2	9·7	
6·4		1·7	54·2	6·0 GStπ
9·2		6·2	13·9	
9·8		13·7	55·1	
8·5		15·2	24·7	8·2 Ga
9·6		21·7	10·7	
9·1		24·2	14·6	
9·8		24·7	24·0	
9·8		24·7	27·4	
8·6		26·7	49·8	8·5 G–
8·8		31·7	25·3	8·5 a
9·5		33·7	29·7	
9·5		34·7	12·0	
9·8		34·7	53·6	
9·3		35·7	29·9	
9·5		38·2	0·8	
9·6		38·7	13·3	
9·4		41·2	12·7	
8·2		42·7	51·8	7·0 GStπ
9·8		43·2	24·6	
9·4		44·2	48·2	
9·8		44·7	18·9	
9·5		45·7	36·4	
8·7		52·2	37·2	
9·8		56·2	41·2	
9·5		59·7	35·6	
9·4		59·7	47·8	
9·2		59·7	19·0	
9·6	24	2·0	57·0	
8·8		5·7	47·4	
9·6		5·7	22·9	
9·8		7·2	52·8	
9·8		8·7	22·5	
9·8		19·7	56·0	
9·8		21·2	39·9	
9·8		22·7	14·0	
9·4		24·7	1·9	
9·4		26·7	5·5	
9·8		27·2	58·4	
9·1		28·2	14·7	8·8
9·8		29·7	18·1	
8·5		32·2	29·0	9·0 –
9·8		47·7	29·3	
9·7		53·7	46·7	
25pr.	+ 0	59·8	− 3·0	

2101—2160.

mag.	$7^{h.}$ m	s	—28° ′	
9·8	24	55·0	59·4	
8·4		58·7	39·4	8·5 Ga
9·4	25	3·7	56·2	
9·5		3·7	20·2	
9·8		6·7	44·7	
9·0		9·7	21·3	
8·9		10·7	0·3	9·0
9·4		10·7	7·6	
8·5		15·7	24·0	8·5 a
9·8		19·7	56·2	
9·5		21·7	21·0	
9·4		21·7	12·7	
9·7		22·2	56·6	
9·0		23·7	16·1	
9·0		23·7	4·4	8·2 Ga
9·8		25·8	18·4	
8·5		26·8	35·3	8·0 Wa
9·8		27·3	14·6	
8·8		30·3	34·5	8·0 GWa
9·8		33·8	23·6	
9·6		37·3	39·0	
9·8		37·9	57·2	
9·7		43·8	2·9	
9·0		46·8	46·6	
8·5		49·8	29·1	8·5 a
9·8		53·8	33·3	
9·0	26	5·3	22·9	
9·4		8·8	8·8	
9·5		9·8	18·4	
9·4		9·8	6·2	
8·8		10·2	50·2	9·2
9·4		18·2	35·7	
9·4		18·8	50·0	
8·5		25·3	55·0	8·2 G
9·8		26·3	34·0	
9·1		26·8	35·1	
9·0		34·8	17·2	
9·7		35·8	25·5	
9·8		42·8	39·6	
9·8		43·3	53·0	
9·8		48·3	10·3	
9·8		49·8	14·9	
8·5		51·3	53·3	9·2 –
9·4		54·8	3·0	
9·6		56·8	53·0	9·5
9·4		58·3	39·0	
9·6		59·8	2·6	
9·3	27	4·8	8·2	9·0 a
9·8		10·3	29·3	
8·5		12·3	28·0	9·0 a
9·8		16·3	56·8	
9·6		21·3	35·1	
9·4		39·8	18·2	9·5
9·8		40·3	13·8	
9·6		42·3	7·5	
9·6		44·3	32·1	
8·5		45·8	8·7	9·0 a
9·4		47·6	59·3	
9·6		54·8	52·2	
9·8		56·3	0·0	
	+ 0	59·9	− 3·1	

2161—2220.

mag.	$7^{h.}$ m	s	—28° ′	
7·8	27	59·8	3·5	8·0 GWa
9·6	28	0·8	37·2	
9·8		4·8	48·0	
9·8		10·8	1·3	
9·7		11·8	16·0	
9·4		14·8	2·7	
9·8		14·8	7·3	
9·0		20·3	0·6	
9·5		21·8	11·1	
8·2		24·3	26·4	8·8
9·3		24·8	50·2	
9·8		29·3	30·4	
9·0		34·8	33·2	
9·8		38·8	53·1	
9·8		49·8	38·3	
7·6		51·8	17·8	7·5 GStπ
8·6		57·8	23·0	9·2
9·0		57·8	24·8	9·2
9·8		58·8	28·6	
9·8	29	4·8	10·6	
9·6		4·8	30·7	
8·8		6·3	27·7	
9·2		8·3	26·0	
8·8		10·8	32·9	–
9·8		18·8	21·9	
9·5		18·8	18·1	
8·7		23·8	10·7	9·2 S
9·8		26·7	58·8	
9·3		27·3	34·4	
8·5		29·3	26·7	9·2
9·4		36·8	6·0	
9·6		38·3	22·0	
9·6		38·8	53·0	
9·8		39·3	18·5	
8·8		43·3	31·1	
9·5		43·8	33·0	
9·7		53·3	58·1	
9·6		53·3	26·3	
9·8		55·3	47·0	
9·8		59·8	8·6	
8·8	30	0·8	54·5	
7·9		2·8	13·3	8·1 GSa
9·3		3·8	35·8	
9·2		5·8	22·8	
9·6		6·8	57·1	
9·6		8·3	18·1	
9·4		8·8	24·1	
9·6		13·3	48·5	
9·6		14·7	41·1	
5·5		21·3	5·8	5·4 GStπ
9·4		25·3	6·7	10·0
9·8		26·3	3·1	
9·8		27·3	38·6	
9·6		40·8	19·2	
8·7		41·8	15·2	9·5
9·8		41·8	7·8	
9·6		42·7	5·2	
9·8		42·8	45·1	
8·8		44·3	51·3	
9·5		45·8	54·1	
	+ 1	0·0	− 3·2	

2221—2280.

mag.	$7^{h.}$ m	s	—28° ′	
9·8	30	46·3	1·2	
9·0		48·8	38·9	
9·8		53·3	0·0	
9·4		56·3	34·5	
9·6		59·8	3·2	
8·7	31	11·4	58·3	8·3 GWa
8·6		12·8	7·7	9·2 a
9·8		15·3	7·9	
9·3		16·8	48·3	
9·6		27·8	52·3	
9·0		28·8	40·5	9·5
9·3		32·8	48·4	
9·2		36·8	34·0	
9·5		49·8	21·4	
9·7		52·8	22·9	
9·7		55·8	21·4	
8·7		58·8	52·5	9·3 Ga
9·7		59·8	47·8	
9·5		59·8	48·0	
9·8		59·8	21·9	
9·2	32	5·3	1·3	a
9·7		8·3	49·4	
9·0		8·8	31·6	
9·5		8·8	26·4	
8·8		11·3	11·0	9·5 G
9·7		13·3	17·4	
9·6		15·3	0·1	
9·0		18·8	11·9	9·2 G
9·2		21·8	27·0	
9·3		23·8	37·8	
9·4		27·8	17·7	
9·4		29·8	51·7	
9·0		30·8	41·4	
9·4		36·3	56·2	
9·6		38·4	49·1	
9·0		42·9	55·4	
9·8		45·4	40·1	
9·8	33	1·4	48·9	
9·8		2·4	5·6	
9·6		3·4	50·4	
8·1		7·4	27·2	8·2 Ga
9·7		8·9	6·0	
8·8		10·4	31·8	
8·6		14·9	9·2	9·0 a
9·7		16·4	30·8	
9·4		16·4	57·6	
9·6		16·4	13·1	
9·6		19·9	18·1	
9·4		21·9	55·0	9·5
9·8		24·9	37·2	
9·6		25·9	34·8	
9·3		26·4	57·0	9·5
9·6		33·9	12·9	
9·2		37·9	28·4	
9·8		40·9	24·0	
9·7		45·4	38·1	
9·8		45·4	48·9	
9·6		45·9	14·7	
9·8		50·9	28·2	
9·6		54·9	40·0	
	+ 1	0·1	− 3·3	

2281—2340.

mag.	7h. m	s	−28° ′	
9·6	·33	59·4	51·2	
9·6	34	3·9	12·8	
9·0		8·4	53·7	
9·8		12·9	16·0	
8·8		17·4	23·8	
9·6		25·9	34·0	a
9·3		25·9	37·0	
8·3		26·9	57·2	8·6 G
9·0		29·4	52·8	
9·8		30·9	26·9	
9·8		34·9	28·0	
9·8		35·9	43·8	
9·8		36·4	37·1	
9·0		37·9	43·8	9·5
9·8		38·4	50·2	
9·8		39·9	36·0	
8·2		39·9	54·3	7·5 Ga
9·5		40·0	16·4	
9·6		41·0	55·2	
9·8		41·0	3·0	
9·0†		55·8	58·6	8·1 a
9·6	35	11·0	15·1	
9·2		19·5	52·9	
9·1		20·0	14·7	
8·8		21·5	38·3	8·2 a
9·3		30·0	40·2	
9·4		32·5	41·2	
9·8		35·0	39·1	
9·7		36·5	37·8	
9·6		37·5	6·2	
9·8		39·5	41·6	
9·6		44·5	49·4	
9·8		47·0	19·1	
9·8		50·0	36·2	
9·4		51·0	4·4	
9·8		54·0	10·3	
9·6		54·5	44·4	
9·6		56·0	28·6	
9·6	36	0·5	35·4	
8·6		1·0	39·4	9·3 –
9·3		5·0	47·8	
9·4		6·0	41·0	
9·3		11·5	33·5	9·5
9·8		27·5	18·9	
9·1		30·0	21·6	
9·8		30·0	43·4	
9·7		33·0	48·8	
9·5		36·0	34·9	
9·4		50·0	7·1	
9·2†		51·2	57·5	
9·2		54·0	10·8	
9·8		54·5	43·2	
9·0	37	0·0	3·8	10·0
9·5		5·9	26·6	9·2
9·1		7·4	36·1	
9·4		8·9	4·0	
9·0		11·9	32·9	9·5
8·7		13·4	8·3	9·2
9·4		17·9	7·0	
9·4		18·4	12·5	
25pr.	+ 1	0·2	−3·4	

2341—2400.

mag.	7h. m	s	−28° ′	
9·4	37	24·4	41·7	
9·8		25·9	34·1	
9·2		29·9	41·5	
9·4		30·9	40·8	
9·7		39·4	20·1	
9·8		41·4	15·6	
10·0†		43·6	59·8	
9·3		46·4	52·2	
9·8		49·4	16·5	
9·4		49·9	9·2	
8·4		52·4	27·9	8·6 G≥
9·6		52·9	36·2	
9·0	38	2·9	10·7	
9·0		2·9	45·6	
9·5		5·9	52·3	
9·2		8·9	46·2	
9·4		9·9	39·1	
9·3		18·9	31·3	
8·8		23·4	7·0	9·0
9·1		28·9	10·6	9·2
7·9		29·9	6·9	5·0 GStπ
9·5		30·4	37·7	
9·7		35·9	41·5	
9·6		36·9	14·1	
9·5		36·9	40·6	
5·4		47·9	39·5	4·2 GSπβ
9·6		47·9	41·3	
9·2		55·1	40·3	
8·2		55·3	8·1	8·7 a
9·4		56·6	45·8	
9·8†	39	2·4	59·5	
9·6		4·8	39·8	
9·8		4·9	46·5	
8·4		9·9	33·3	8·5 =
9·4		17·1	24·0	
9·4		17·3	37·2	
9·5		19·1	13·4	
9·6		19·9	14·6	
9·4		23·1	7·4	
9·8		27·9	40·2	
9·5		29·4	58·2	
9·5		29·8	1·2	
9·9		33·8	59·9	
9·7		43·4	34·1	
9·7		44·8	54·1	
9·6		45·3	13·0	
9·8		47·6	21·8	
9·9		48·4	20·9	
9·9		49·6	1·8	
9·4		55·8	26·8	9·5
9·8		56·1	41·6	
9·4		59·8	37·5	
8·9	40	3·1	36·9	9·0 –
9·9		5·8	12·8	
9·9		10·8	20·7	
9·4		12·2	15·1	
9·9		23·3	7·8	
9·7		24·3	6·3	
9·4		36·3	7·0	10·0
9·6		39·8	0·2	
	+ 1	0·4	−3·5	

2401—2460.

mag.	7h. m	s	−28° ′	
9·4	40	46·8	6·5	10·0
9·2	41	10·8	8·3	9·5
8·4		17·8	36·3	8·0≥
9·8		19·8	11·1	
9·0		21·3	15·2	9·5 G
9·9		22·3	15·7	
9·3		47·8	55·7	
9·9		48·3	50·4	
9·9		55·3	23·9	
9·4		57·8	27·5	
9·9	42	1·8	40·0	
9·9		4·8	34·6	
9·9		15·8	40·3	
9·4		29·3	15·0	
9·7		31·8	7·4	
9·5		36·8	25·1	10·0
9·9		37·3	44·1	
9·9		49·3	13·0	
9·9		54·3	36·3	
9·9		55·3	36·2	
9·7	43	0·3	18·8	9·5
9·5		3·3	43·8	
8·8		15·1	2·9	8·0 Ga
9·4		16·3	31·4	
9·5		24·5	56·8	
9·9		32·3	4·0	
9·9		35·3	52·2	
9·5		39·3	53·8	
9·7		42·3	13·8	
9·5		52·3	59·4	
9·7		56·8	42·5	
9·1	44	4·8	24·5	9·0 a
9·7		11·3	28·0	
9·9		13·3	59·5	
9·6		13·6	0·3	
9·5		20·3	19·1	
9·9		23·3	59·4	
9·0		23·8	24·0	9·5
9·9		25·3	54·1	
9·9		26·8	55·0	
9·4		34·3	49·1	
9·7		37·3	41·4	
9·7		40·8	25·6	
9·6		44·8	55·4	
9·9		45·3	50·4	
9·9		47·3	5·9	
9·5		49·3	7·7	
9·9		49·7	59·2	
9·5		54·3	25·6	
8·8		54·3	42·8	9·0
9·7		54·3	37·0	–
9·2		54·8	9·1	
9·9		58·0	56·2	
9·7	45	2·8	40·0	
9·9		2·9	56·0	
9·9		7·5	55·9	
9·5		8·7	59·0	
9·0		9·3	10·7	9·0
9·5		10·3	10·2	
8·8		21·8	45·1	8·0 b
	+ 1	0·5	−3·7	

2461—2520.

mag.	7h. m	s	−28° ′	
9·0	45	22·8	56·8	9·2
9·9		24·8	0·6	
9·4		26·3	56·1	9·0
9·7		32·8	57·4	
9·5		35·8	28·9	
9·5		40·8	28·8	
9·5		43·8	32·1	
9·6		44·3	50·5	
9·9		47·3	14·2	
• 9·4		54·3	55·6	9·0
9·5	46	1·8	0·5	
9·9		3·8	39·0	
9·4		19·8	18·8	
9·6		23·3	14·9	
9·5		25·8	9·4	
9·9		26·8	57·0	
9·8		33·3	37·2	
9·7		36·3	48·8	9·5
9·6		36·8	36·5	
9·3		42·8	3·4	
9·4		42·8	53·9	
9·9		45·8	46·2	
9·6		50·2	58·8	
9·0		55·3	26·5	9·2
9·6		59·3	53·1	
9·5	47	13·8	8·4	
9·8		19·3	22·3	
9·4		19·8	55·8	9·3
9·7		21·3	33·5	
9·7		23·3	25·0	
9·8		36·8	37·6	
9·0		43·0	24·8	9·5
9·5		45·0	2·1	
9·8		48·5	31·9	
9·8		50·0	16·0	
9·7		50·0	4·6	
9·0		51·0	27·8	9·5
9·1		53·5	55·0	9·5
9·7		53·5	46·0	
9·6	48	2·0	44·5	
9·2		4·5	10·1	9·0
9·2		7·0	12·0	9·5
9·9		7·5	31·2	
9·8		10·0	21·3	
9·3		14·5	16·6	
9·3		20·0	59·4	10·0
9·8		20·0	21·9	
9·5		21·0	12·0	
9·6		23·0	45·9	
9·7		30·0	10·0	
9·5		30·0	24·5	
8·9		30·5	54·1	8·5 G–
9·5		35·0	39·4	
9·7		38·5	47·8	
9·6		39·7	2·0	
9·4		40·0	29·0	
9·5		44·0	31·2	
9·6		49·5	39·1	
9·8	49	1·0	26·2	
9·5		9·0	22·2	
	+ 1	0·6	−3·8	

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2521—2580.

mag.	7h. m	s	−28° ′	
9·7	49	14·0	4·4	
9·6		19·0	24·8	
9·9		19·5	43·5	
9·9		19·5	38·3	
9·8		20·0	0·1	
8·8		24·0	37·3	
9·4		31·0	6·4	
9·7		31·5	13·1	
9·2		32·5	18·1	
9·4		35·0	7·8	
9·5		39·5	17·1	
9·4		43·0	18·5	
9·7		47·0	33·8	
9·2		47·0	7·8	9·0
9·7		50·0	24·6	
9·0		53·0	36·6	
8·9		54·0	28·1	
9·2		55·0	25·6	
9·6		57·0	15·4	
9·5	50	0·0	7·3	
9·2		1·0	32·8	
9·4		3·0	29·7	
9·0		8·0	41·2	
9·9		9·0	33·2	
8·8		19·0	33·6	—
9·4		21·5	21·2	
9·4		25·0	5·4	9·0
9·9		26·5	53·6	
8·8		34·0	5·4	9·5
9·8		34·0	5·9	
9·5		34·0	26·0	
9·7		36·0	19·0	9·0
9·7		39·9	26·8	
9·8		40·0	33·6	
9·4		40·5	51·8	
9·6		41·5	30·6	
9·9		44·0	22·1	
9·7		45·0	20·6	
9·9		47·0	46·5	
9·2		49·0	39·2	
9·1		49·0	17·8	
9·9		50·0	2·0	
9·0		53·0	12·4	9·5
9·6		54·0	58·7	
9·7		57·5	14·6	
9·9		58·9	58·5	
9·5	51	0·0	11·2	
9·9		0·0	7·1	
9·3		5·5	8·4	
9·8		10·0	27·0	
9·7		14·0	22·2	
9·9		16·0	39·8	
9·5		22·5	25·1	
9·8		23·6	18·6	
9·0		24·6	47·9	
9·4		28·6	31·1	
9·5		30·0	24·5	
9·7		31·1	58·8	
9·7		32·6	9·6	
9·0		37·1	46·4	
25pr.	+ 1	0·7	−3·9	

2581—2640.

mag.	7h. m	s	−28° ′	
9·3	51	39·1	29·4	
9·3		40·1	25·0	
9·6		43·1	36·4	
9·9		43·1	39·4	
9·5		44·6	37·8	
9·8		48·1	3·9	
9·9		49·6	37·0	
9·5		50·1	28·6	
9·8		53·1	54·2	
9·6		54·1	51·6	
9·4		57·1	48·8	
9·7	52	0·1	47·0	
9·0		1·6	54·7	a
9·4		3·3	57·0	—
9·7		5·6	10·9	
9·5		7·1	10·8	
9·4		10·1	31·6	
9·9		15·1	58·2	
9·8		15·6	17·9	
9·8		20·1	22·0	
9·0		21·1	0·1	9·5
9·4		22·1	50·0	
9·4		23·6	15·1	
9·9		25·5	59·9	
8·6		26·6	0·7	8·5 Ga
9·5		29·1	7·0	9·5
9·9		30·1	57·2	
9·5		33·1	7·9	
9·6		34·2	2·4	
9·6		34·6	25·9	
9·9		37·1	31·2	
9·7		42·1	26·0	
9·7		43·1	7·5	
9·9		44·1	7·8	
9·2		44·1	29·6	
9·9		48·6	4·4	
9·9		49·6	51·1	
9·6		51·1	18·7	
9·6		54·1	15·3	
9·5		54·1	12·1	
9·9		57·6	58·0	
9·7	53	1·1	14·8	
9·2		2·1	36·3	9·0
9·9		4·6	54·7	
9·9		5·1	53·7	
9·4		5·6	49·6	
9·9		7·1	55·2	
9·8		13·1	35·6	
9·3		19·1	47·5	8·7 a
9·4		19·1	21·6	
9·9		20·1	23·7	
9·5		24·1	34·3	
9·5		25·1	2·8	
9·5		27·1	6·9	
9·0		30·1	33·0	9·5
9·5		30·1	10·9	
9·7		37·6	6·1	
9·3		41·1	9·4	
9·9		42·1	58·0	
9·0		43·1	18·8	9·2
	+ 1	0·8	−4·0	

2641—2700.

mag.	7h. m	s	−28° ′	
9·6	53	44·1	58·5	
9·9		45·1	7·7	
8·8		49·6	42·2	9·5
9·5		53·1	3·1	
9·9		56·1	10·0	
9·6	54	1·1	12·8	
9·6		1·1	12·3	
9·7		4·1	10·7	
9·5		4·6	32·3	
9·6		7·6	5·1	
9·4		9·1	24·5	
9·7		10·6	58·2	
9·7		11·6	32·0	
9·0		17·0	24·0	:
9·2		18·6	34·0	
8·2		25·1	5·5	8·2 GW—
9·5		25·1	30·8	
9·5		26·1	2·9	
9·9		30·1	15·7	
9·7		35·1	54·1	
9·7		35·1	47·0	
9·5		38·6	8·1	
9·6		41·6	23·6	
9·9		44·6	24·1	
9·5		54·6	41·1	
9·9		59·1	29·9	
9·9		59·6	43·9	
9·4	55	0·1	20·0	
9·6		5·1	22·9	
9·7		9·2	14·0	
9·9		10·2	9·1	
9·5		12·7	35·4	
9·0		13·2	39·4	9·5
9·5		16·2	12·6	
9·8		19·7	30·7	
9·9		20·6	18·6	
9·9		22·2	4·1	
8·9		25·1	23·3	
9·5		30·1	58·1	
9·4		30·1	18·0	
9·9		34·6	23·7	
9·4		35·1	38·5	
9·7		35·5	1·0	
9·6		36·7	39·7	
9·7		44·2	27·0	
9·6		46·7	4·6	
9·4		52·2	45·0	
9·5		53·2	46·3	
9·7		55·2	3·0	
9·0		56·2	4·9	
9·9		56·2	48·1	
9·6	56	1·2	32·3	
9·9		7·2	29·1	
8·0		8·2	49·0	8·0 =
9·9		10·7	17·3	
9·5		13·2	42·1	
9·9		14·7	0·2	
9·9		21·7	24·1	
9·6		23·2	14·1	
9·1		29·2	23·8	
	+ 1	0·9	−4·0	

2701—2760.

mag.	7h. m	s	−28° ′	
9·9	56	35·2	12·3	
9·9		41·7	13·8	
9·9		42·2	34·9	
9·7		43·2	47·5	
9·0		43·2	3·8	9·0 —
9·5		49·7	33·0	
9·0		52·2	2·1	
9·5		54·4	57·7	
9·2		55·9	27·1	
9·7		57·4	24·7	
9·9		58·9	46·9	
9·9	57	2·4	48·8	
9·6		5·9	37·0	
9·1		8·9	56·1	
9·8		8·9	25·9	
9·0		10·4	14·1	
9·2		13·4	26·8	
8·8		15·4	49·7	8·5 =
9·0		17·9	31·0	
9·0		20·4	44·8	10·0
9·9		20·9	57·3	
9·7		24·4	58·6	
9·9		24·9	35·3	
9·9		27·9	38·1	
9·0		29·4	47·1	10·0
9·4		30·4	56·2	
9·5		30·4	30·5	
9·7		31·4	17·0	
9·9		32·4	19·3	
8·6		44·4	53·7	8·5 —
9·7		47·4	7·7	
9·7		51·4	28·8	
9·8	58	3·9	29·9	
9·9		7·4	35·7	
9·8		9·4	29·2	
9·1		9·9	43·6	
9·7		15·4	20·5	
9·7		15·9	35·8	
9·0		15·9	5·8	10·0
9·8		17·3	13·0	
9·7		21·4	38·9	
9·8		23·4	10·5	
9·1		24·5	18·3	
9·0		25·0	28·1	
8·5		26·7	1·9	8·6 a
9·9		27·0	56·1	
9·8		30·5	4·5	
9·6		33·7	2·0	
9·6		40·0	17·0	
9·4		55·5	44·1	9·5
9·5		59·8	2·6	
7·9	59	0·5	49·2	7·8 Ga
9·9		6·0	30·5	
9·0		10·5	4·3	
9·8		10·5	45·9	
9·4		12·5	22·3	
9·7		13·0	31·7	
9·4		13·0	9·4	8·8
9·0		15·0	3·7	8·8
9·9		15·5	6·7	
	+ 1	1·0	−4·1	

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2761—2820.

mag.	7h.–8h. m s	–28° ′	
9·2	59 20·0	53·7	
9·9	23·5	27·7	
9·2	34·5	3·5	9·2
9·2	40·5	33·5	9·5
8·8	42·0	11·6	9·5 –
9·8	45·5	18·1	
9·4	49·0	4·0	
9·8	50·5	0·5	
9·9	53·5	2·2	
9·9	0 7·5	51·7	
9·7	10·5	15·0	
9·3	12·0	20·1	
9·0	13·0	18·4	
9·5	20·9	58·1	
9·9	29·5	55·9	
9·7	30·0	24·0	
9·1	30·5	43·3	
9·8	34·5	0·6	
9·5	35·0	5·5	
9·5	40·5	0·2	10·0
9·3	41·5	45·8	
9·7	45·5	3·7	
9·5	50·5	47·1	
9·7	58·0	30·9	
8·8	59·5	42·6	
9·4	1 0·5	5·0	
9·9	4·5	27·7	
9·7	5·5	28·5	
9·9	11·5	7·7	
9·7	14·5	33·8	
9·5	14·5	12·9	
9·7	20·0	14·9	
9·7	21·0	34·9	
9·2	24·7	54·0	
9·9	31·3	0·2	
9·6	33·5	29·0	
9·7	36·9	1·4	
9·4	37·5	17·1	
9·8	40·5	45·1	
9·0	47·9	12·0	
9·8	51·5	28·3	
9·7	53·8	11·9	
10·2	54·0	24·8	
9·0	55·4	15·9	9·2 a
10·2	58·7	0·4	
9·6	59·2	17·6	
10·0	2 0·7	23·1	
9·2	5·7	10·6	
9·6	12·5	43·0	
9·3	15·7	8·0	
10·2	19·6	52·2	
9·0	21·2	19·7	
9·5	36·0	24·0	
10·2	44·4	15·9	
10·1	46·4	6·8	
9·8	3 1·4	8·6	9·0 a
9·8	12·9	41·4	
9·6	14·9	48·8	
9·5	14·9	23·9	
8·7	24·4	8·4	9·6
25pr.	+1 1·0	–4·2	

2821—2880.

mag.	8h. m s	–28° ′	
9·7	3 25·4	40·0	
9·6	30·9	20·0	
9·8	33·4	33·0	
9·8	35·4	15·9	
10·2	41·9	52·6	
9·6	42·4	24·2	
10·2	44·9	30·1	
10·2	48·3	2·3	
9·5	53·9	4·9	
9·0	54·9	52·5	9·0
10·0	59·4	42·7	
9·8	59·9	5·2	
10·0	59·9	33·9	
10·1	4 0·4	44·9	
9·3	4·9	17·9	
9·6	10·4	53·9	
9·8	11·9	21·4	
10·2	13·9	4·3	
9·9	13·9	17·8	
10·0	14·9	40·1	
9·5	18·3	56·9	
9·2	23·9	46·9	
9·9	34·3	35·3	
9·5	35·4	3·7	9·5
8·8	35·4	55·8	9·0
10·1	41·4	7·9	
10·2	50·4	47·1	
10·2	53·4	49·7	
10·2	54·9	24·9	
9·3	5 2·4	33·3	
10·2	2·9	6·9	
9·1	5·9	40·9	
10·1	12·4	52·5	
10·2	15·4	20·5	
10·2	17·9	7·0	
9·2	21·3	59·9	
9·6	24·9	10·9	
9·5	25·4	13·7	
9·2	26·4	10·7	
9·0	28·9	14·3	
9·1	29·9	23·7	9·0
9·8	36·4	52·6	
10·0	38·4	38·4	
9·6	40·4	18·8	
10·1	43·9	11·6	
9·1	44·9	8·2	8·8
10·2	46·9	5·2	
9·8	49·9	43·8	
9·9	58·4	54·9	
10·1	59·9	53·7	
9·6	6 1·9	48·0	
10·1	13·4	44·2	
10·1	17·9	15·8	
10·2	19·9	16·3	
9·1	19·9	18·2	
9·0	23·9	37·2	
10·1	24·4	33·2	
10·0	25·1	12·8	
9·9	25·4	30·5	
9·1	40·4	6·3	
	+1 1·3	–4·3	

2881—2940.

mag.	8h. m s	–28° ′	
9·8	6 41·9	31·3	
9·9	42·4	21·3	
10·2	42·6	0·1	
10·0	49·9	22·1	
10·2	49·9	35·4	
9·1	49·9	47·8	9·2
10·0	50·9	49·6	
10·0	54·9	16·7	
10·0	55·4	13·6	
8·1	55·9	37·7	8·2 W≡
9·0	7 3·4	12·1	9·0 –
9·0	3·9	51·3	9·0
10·0	9·9	55·7	
9·5	10·9	18·4	
9·1	17·4	1·4	9·0 a
10·1	17·4	50·6	
9·6	18·9	40·5	
8·6	25·4	38·2	9·0 –
9·0	27·4	51·8	
9·5	31·9	31·5	
9·3	34·9	50·8	9·0
9·7	38·4	46·6	
10·2	39·9	16·2	
9·0	50·9	49·2	
10·2	56·4	28·1	
10·0	56·9	39·3	
10·1	8 9·4	50·0	
9·8	15·4	32·6	
10·1	29·9	22·0	
10·0	31·4	19·6	
9·3	47·4	31·2	9·0 a
9·5	59·4	11·4	
10·2	9 1·4	56·0	
9·0	3·4	39·6	8·5 a
10·2	4·9	27·6	
9·5	9·9	47·1	
10·2	14·9	43·4	
9·5	19·4	19·6	
10·2	19·9	20·8	
10·2	19·9	41·1	
9·1	22·4	32·4	
10·0	32·9	29·3	
9·0	34·9	47·2	9·5
10·0	36·9	35·5	
8·9	38·4	57·3	
9·5	43·0	58·4	
10·1	43·4	35·7	
10·1	49·4	59·6	
8·1	53·4	4·2	a
8·6	54·9	41·2	9·0 a
9·9	54·9	40·0	
10·1	56·4	38·0	
9·0	59·4	51·7	9·2
10·0	59·9	2·6	
9·7	10 4·4	39·0	
9·0	4·9	19·9	
9·0	6·4	18·2	
9·7	6·9	39·2	
10·0	8·9	41·9	
10·1	9·9	40·7	
	+1 1·5	–4·5	

2941—3000.

mag.	8h. m s	–28° ′	
9·6	10 10·4	4·1	
10·0	21·4	55·4	
10·2	28·9	9·0	
9·5	30·9	26·3	
9·9	30·9	57·4	
9·1	33·4	21·3	
9·6	33·9	15·8	
8·7	35·4	46·5	9·5 –
9·7	38·4	38·8	
8·6	45·4	11·5	a
9·1	50·9	28·1	
10·2	51·9	27·9	
10·2	54·9	58·2	
9·5	54·9	39·9	
8·3	55·4	24·3	9·0
10·0	55·9	9·6	
9·6	59·6	56·7	
9·6	59·9	48·0	
9·5	11 4·9	24·2	
10·0	8·9	56·8	
10·2	10·9	1·1	
10·2	10·9	3·1	
9·5	14·4	48·3	
10·0	19·9	45·6	
8·7	21·4	3·3	9·3 a
10·2	28·9	36·7	
10·1	29·9	9·6	
10·1	34·9	57·1	
9·6	42·9	50·8	
9·2	44·4	39·1	
10·1	49·9	44·1	
9·9	50·9	27·4	
9·5	50·9	16·5	
9·5	53·1	59·1	9·0 Ga
10·0	54·9	9·9	
10·1	56·4	6·8	
10·1	59·9	7·7	
10·2	12 5·9	21·2	
9·8	9·4	19·3	
9·3	11·9	31·6	
9·7	15·4	17·1	
8·5	19·9	44·7	8·0 GSb
9·9	19·9	53·7	
9·8	23·4	47·1	
9·6	32·9	23·9	
9·7	44·9	43·5	
10·0	44·9	15·4	
9·8	48·9	22·5	
9·8	54·4	11·8	
9·6	54·9	7·1	
10·2	13 2·4	22·5	
10·2	4·9	47·5	
9·3	11·9	4·9	
9·2	12·4	37·1	9·5 –
10·2	14·9	45·5	
10·1	20·4	47·3	
8·9	24·3	57·2	
10·1	35·4	51·0	
8·6	38·9	33·4	9·2 –
10·0	39·9	15·3	
	+1 1·6	–4·6	

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3001—3060.

mag.	8h. m s	−28° ′	
9·4	13 39·9	54·1	
10·0	40·4	15·4	
9·4	40·4	33·7	
10·1	44·4	44·5	
9·3	46·8	57·9	
10·2	47·4	19·0	
10·0	49·4	38·1	
10·0	54·9	34·6	
10·2	56·9	8·7	
10·2	14 1·9	12·3	
9·2	3·4	38·3	
10·2	7·9	56·7	
9·8	8·9	38·1	
9·0	14·9	24·6	9·5
9·5	19·8	20·9	
10·0	24·8	13·2	
9·6	25·3	54·0	
9·6	33·8	44·8	
9·5	36·3	12·7	
8·7	43·3	0·8	8·5 –
9·6	43·3	53·6	
10·2	45·3	48·9	
10·1	48·3	49·0	
8·7	49·5	57·4	8·0 Ga
9·3	51·8	15·7	
9·6	51·8	49·3	
10·0	52·8	45·5	
9·6	15 2·3	38·0	
9·0	4·8	21·2	
9·5	5·8	0·2	
10·1	15·3	36·6	
9·2	15·8	22·7	
10·1	16·8	9·0	
9·8	24·0	56·6	
9·7	29·3	29·1	
9·3	40·8	34·5	
9·1	44·3	36·2	
9·4	46·9	18·3	
9·0	49·8	13·5	
9·6	52·8	58·1	
9·6	56·3	36·3	
9·5	59·8	44·9	
9·7	16 4·8	6·2	
9·1	5·0	2·4	
9·8	7·3	15·0	
9·9	9·3	53·3	
9·8	10·3	50·1	
10·2	10·3	51·3	
9·2	12·8	32·6	
8·6	14·8	9·8	9·5 G–
10·0	14·8	23·6	
8·9	19·8	54·3	10·0
9·5	29·3	33·2	9·5
10·1	33·8	8·0	
9·8	34·8	6·9	
9·5	35·8	51·0	
10·0	37·3	23·4	
9·8	37·8	29·4	
10·2	43·8	5·1	
9·8	49·8	9·2	
25pr.	+ 1 1·7	−4·6	

3061—3120.

mag.	8h. m s	−28° ′	
9·0	16 54·8	35·6	9·5
8·2	56·3	13·5	7·8 GSb≡
9·3	17 3·8	37·1	
10·2	3·8	48·1	
10·2	5·3	46·6	
9·0	6·3	2·6	
9·7	6·5	1·0	
10·0	19·8	52·1	
10·0	20·8	34·1	
9·0	22·3	4·4	
9·0	24·8	31·1	9·2 a
7·9	24·8	34·3	8·0 Ga
10·1	34·3	16·4	
9·5	43·8	37·0	
10·1	45·3	34·5	
9·6	47·8	34·1	
9·6	50·3	21·4	
9·2	53·8	33·8	
10·1	18 0·8	42·8	
10·0	2·3	38·9	
9·4	3·8	17·7	
9·1	5·3	41·1	
10·1	5·3	33·8	
10·1	7·8	57·2	
9·1	9·8	27·2	
9·6	14·8	6·0	
9·6	17·3	22·1	
10·0	25·7	26·0	
9·1	36·7	17·3	
9·1	36·7	15·3	
10·1	37·2	8·0	
9·8	38·7	14·9	
7·1	40·2	34·1	7·0 GSa
9·7	40·2	11·5	
9·8	43·2	10·7	
10·1	44·7	12·5	
9·6	45·0	58·7	
9·3	49·2	20·0	9·5
9·5	50·2	18·0	
8·6	58·7	15·3	9·5
10·0	59·2	35·6	
9·8	59·7	38·3	
10·2	19 0·2	13·2	
8·9	0·2	4·8	
9·6	0·2	48·6	
9·2	1·2	38·9	9·0 a
9·8	8·7	30·4	
9·8	10·5	42·0	
9·5	10·7	5·7	
9·5	11·2	34·3	
9·5	12·2	55·7	
10·1	13·2	2·9	
9·5	16·7	35·1	
9·6	18·7	19·8	
10·1	33·7	28·9	
9·2	34·7	25·4	
9·7	35·7	41·8	
10·2	41·2	26·7	
9·5	44·7	38·0	
9·0	47·2	55·4	
	+ 1 1·9	−4·8	

3121—3180.

mag.	8h. m s	−28° ′	
9·7	19 51·7	15·6	
9·6	53·7	10·7	
8·6	55·2	33·0	8·8 Ga
8·8	55·7	9·9	9·5 a
9·0	20 6·0	57·3	
9·3	9·2	23·1	
10·0	9·7	52·6	
10·2	11·2	5·2	
10·2	16·2	21·3	
9·6	18·6	58·5	
10·1	18·9	27·1	
10·2	21·9	18·8	
9·2	25·9	41·7	
10·2	29·4	48·1	
10·1	33·9	42·9	
9·9	35·9	31·0	
9·9	37·9	52·0	
10·2	39·9	26·0	
10·2	44·9	7·0	
9·8	51·4	48·6	
9·5	53·4	7·2	
9·4	53·9	18·2	
10·1	55·4	29·0	
10·1	21 3·9	45·5	
9·1	7·6	58·0	9·5
9·3	9·9	4·8	
9·4	14·4	56·1	9·2
9·8	14·4	31·7	
10·1	18·9	57·3	
10·2	19·9	43·9	
10·0	25·4	41·0	
10·2	25·4	9·6	
9·6	29·4	55·2	
10·0	31·4	33·4	
9·5	34·9	47·7	
9·6	35·4	20·9	
9·7	40·4	54·1	
7·4	41·4	48·3	7·0 GSet
9·7	41·4	4·8	
10·1	46·9	52·8	
9·1	47·4	49·1	
10·0	50·4	39·4	
9·8	51·9	0·7	
9·9	59·4	55·0	
9·8	59·4	27·7	
8·9	22 3·4	20·5	9·5
10·1	5·9	14·4	
10·0	5·9	44·8	
9·1	14·4	17·8	10·0
10·2	14·9	8·0	
9·2	18·9	33·6	
9·3	19·4	20·4	
10·2	30·4	17·1	
9·8	41·4	56·0	
9·8	43·4	39·0	
10·0	46·9	37·0	
9·2	54·9	15·8	
10·0	58·9	55·7	
9·6	23 0·4	43·6	
9·7	2·9	21·5	
	+ 1 2·0	−4·8	

3181—3240.

mag.	8h. m s	−28° ′	
10·2	23 5·8	59·1	
9·8	6·4	52·8	
9·3	6·4	2·2	9·5 –
9·2	11·9	33·0	
8·8	11·9	55·0	9·0
9·9	15·9	24·0	
10·0	17·9	48·4	
8·6	20·4	17·5	9·0 W
8·9	31·4	49·5	
10·2	35·4	9·5	
9·8	45·4	33·7	
9·3	50·4	14·3	
7·8	54·0	16·4	8·0 GSb–
8·5	59·7	15·0	7·5 GSb=
9·7	24 1·9	40·6	
9·3	17·2	8·3	
10·2	20·4	4·0	
10·2	25·9	3·1	
9·7	33·7	19·1	
9·3	33·9	39·9	
9·2	39·7	18·5	
10·2	40·9	38·8	
10·2	41·6	0·9	
9·8	45·2	37·0	
10·1	45·4	37·3	
10·2	45·6	52·3	
10·1	49·1	15·9	
10·0	49·8	2·3	
8·4	50·3	14·5	9·0 –
9·9	52·7	0·9	
9·6	54·8	44·5	
9·8	54·9	56·2	
9·3	25 5·5	37·5	
9·9	7·0	47·9	
9·2	7·3	17·3	9·0
10·0	10·1	17·9	
8·5	13·9	14·2	9·0
9·0	14·9	34·5	
10·0	14·9	21·0	
10·0	20·4	24·9	
10·0	24·7	1·5	
9·0	27·4	8·8	9·0 a
9·8	28·9	5·6	
9·9	30·9	22·0	
9·9	32·9	9·5	
8·9	38·9	9·1	8·7 Ga
9·4	49·9	42·5	
9·3	26 3·9	8·5	
9·0	4·4	0·2	8·8 a
8·8	14·9	18·3	
8·8	19·9	38·2	9·5
10·0	25·9	0·9	
8·8	35·9	36·4	9·5
10·0	37·9	28·3	
9·4	41·9	13·0	
10·0	48·3	57·2	
9·9	49·9	7·3	
8·2	51·9	56·7	8·0 Ga
9·9	58·9	53·6	G
9·6	27 9·9	21·6	
	+ 1 2·2	−4·9	

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3241—3300.

mag.	8h. m	s	—28° ′	
10·0	27	14·9	44·7	
10·0		19·9	21·0	
9·4		22·4	33·3	9·5
9·3		27·9	26·5	
9·9		29·9	4·2	
8·4		34·9	27·5	9·0
8·8		35·4	25·8	8·0 G–
10·0		50·9	47·6	
9·9		54·9	13·7	
8·8		54·9	6·8	9·8 a
9·0		54·9	11·9	8·5 Ga
10·0	28	0·9	20·5	
9·2		0·9	27·2	9·5 G
8·2		1·9	58·2	8·4 Ga
10·0		9·9	33·6	
9·3		10·9	13·2	
9·0		14·9	11·4	
10·0		27·9	56·9	
9·8		31·1	2·7	
10·0		37·9	30·0	
8·9		38·9	16·2	9·0 a
9·9		43·9	21·0	
9·8		44·9	40·2	
9·3		49·9	25·8	9·0
8·6		51·9	23·4	9·0 a
10·0	29	1·3	12·2	10·0
9·8		1·4	43·6	
10·0		4·6	34·0	
10·0		6·6	33·5	
8·4		8·4	11·2	8·8 Ga
10·0		9·4	10·8	
8·6		15·9	39·6	=
10·0		21·9	34·4	
9·7		25·9	33·2	
9·4		28·4	53·4	
8·9		32·4	54·0	9·0
8·8		35·4	22·4	9·0
9·2		39·9	4·8	
8·2		53·9	28·2	8·0 Ga
9·4		59·9	38·2	
9·6	30	1·9	37·3	
9·9		10·4	34·3	
9·8		13·9	28·2	
10·0		18·9	45·1	
10·0		24·9	0·5	
8·4		33·1	2·8	7·7 G≡
9·0		42·4	51·2	9·0 G
10·0		44·9	4·3	
9·1		52·9	10·4	
9·2		54·4	8·4	
9·7		58·9	11·8	
9·4	31	0·9	54·4	9·0
10·0		6·8	16·3	
8·2		12·9	21·8	8·5 Ga
10·0		27·4	15·8	
9·4		38·4	18·6	
9·8		39·9	49·2	
10·0		39·9	30·0	
9·8		40·4	53·7	
9·7		46·9	54·5	
25pr.	+ 1	2·4	— 5·1	

3301—3360.

mag.	8h. m	s	—28° ′	
8·8	31	48·9	8·2	9·0
10·0		50·9	6·6	
9·6		54·9	36·9	
9·9		54·9	49·0	
10·0	32	0·9	5·7	
9·3		9·9	32·9	
9·7		10·9	28·7	
9·4		12·4	57·6	
9·7		19·9	37·8	
9·4		47·4	51·1	
8·8		49·9	28·2	10·0
9·8		55·4	10·8	
9·4	33	5·9	58·6	
9·6		16·4	45·8	
9·8		22·9	23·6	
10·0		28·9	18·9	
10·0		34·9	22·0	
8·8		49·9	54·2	–
9·6		51·4	41·7	
9·6		52·9	3·2	
9·2	34	8·4	18·9	
8·2		10·4	51·6	Ga
9·9		17·9	26·0	
8·0		28·9	38·4	7·5 GSbt
9·3		33·9	37·3	
9·7		36·9	10·9	
9·6		36·9	10·1	
10·0		47·9	29·1	
9·4	35	3·9	40·1	
9·8		4·9	10·7	
9·4		18·2	59·2	
9·6		22·4	13·1	
9·9		24·9	52·6	
9·2		27·0	2·2	9·5
8·8		28·9	25·9	Ga
8·8		31·9	6·1	9·0 a
9·6		34·9	21·9	
9·2		39·8	17·3	9·0
9·0		39·8	31·0	
9·1		39·9	17·8	
8·6		40·8	57·2	
9·2		43·3	8·6	9·5
9·0		44·8	36·2	–
9·7		45·3	39·5	
8·4	36	1·3	28·2	a
9·3		11·8	21·6	
9·4		19·8	16·1	
9·4		22·3	9·5	
9·4		23·3	49·4	
9·4		25·3	35·7	
10·0		31·8	37·1	
9·8		36·8	24·3	
9·2		54·8	14·1	9·0 a
9·7		55·3	47·6	
9·4	37	9·8	19·9	
8·6		23·8	19·2	9·0
10·0		24·8	34·4	
9·6		29·8	26·2	
8·8		29·8	9·5	a
8·7		59·8	13·9	8·5 Ga
	+ 1	2·6	— 5·2	

3361—3420.

mag.	8h. m	s	—28° ′	
9·4	38	10·8	19·6	
9·3		19·8	43·1	
9·3		22·8	12·5	9·5 a
8·6		32·8	31·6	9·0
8·8		41·3	34·3	8·5 ≡
10·0		49·8	22·9	
9·4		56·3	11·5	
10·0		56·3	39·8	
9·4		59·8	48·8	
10·0		59·8	42·7	
9·0	39	7·8	4·6	a
10·0		17·3	36·1	
8·8		21·8	17·4	
9·0		26·3	40·1	8·0 G≡
9·4		32·8	21·8	
9·4		34·8	50·9	
9·4		49·8	12·2	
9·7		50·3	32·1	
10·0		53·2	49·6	
10·0		54·3	40·7	
9·9		54·3	47·9	
8·8	40	1·8	24·8	
9·9		4·8	18·9	
9·4		43·8	41·8	
9·4		44·8	18·4	
9·4		49·8	22·1	
9·2	41	14·8	4·2	9·0
9·2		21·8	11·0	–
9·6		21·8	24·2	
9·6		31·8	21·2	
10·0		41·8	33·5	
9·4		42·8	12·8	
9·4		44·3	51·0	
8·9	42	8·4	18·4	9·5
8·7		9·4	20·8	9·0
9·4		13·9	45·3	
9·6		21·4	29·1	
9·6		29·2	2·0	
9·6		35·9	3·2	
9·3		44·4	46·5	
10·0		44·8	58·7	
9·4		53·4	16·7	
10·0		53·9	45·9	
10·0		57·2	33·0	
8·2		58·4	10·7	7·0 GSb=
9·6	43	14·6	46·5	
10·0		31·6	47·0	
9·0		39·6	20·1	9·5
10·0		41·6	15·1	
9·9		58·1	9·8	
9·9	44	8·6	36·5	
10·0		12·6	12·5	
9·4		17·1	48·8	
9·9		28·6	41·1	
9·6		29·6	54·8	
10·0		44·5	1·5	
8·0		47·9	59·9	6·5 GStπ
9·3		53·1	10·9	
9·8	45	1·6	23·5	
8·2		3·1	23·7	=
	+ 1	3·0	— 5·4	

3421—3480.

mag.	8h. m	s	—28° ′	
9·7	45	4·1	28·7	
6·6		4·6	9·2	GSb=c
9·2		4·6	16·7	–
9·7		5·1	47·3	
9·2		9·6	48·3	–
10·0		13·6	6·5	
8·6		14·6	33·3	
9·6		19·6	41·6	
9·0		23·1	12·7	
9·4		39·6	10·2	
9·4		44·6	56·5	
10·0		49·6	3·6	
9·9		56·6	29·8	
8·8		59·6	29·1	
10·0	46	22·6	21·9	
8·9		29·1	35·9	
9·6		31·6	10·2	
8·7		33·3	59·7	8·0 Ga
9·8		38·6	23·8	
9·3		47·4	57·6	8·5 G
8·4		53·8	41·2	9·0 –
10·2		59·6	55·4	
9·9	47	2·8	8·5	
9·0		15·6	31·2	8·5 –
9·8		18·8	2·4	
10·2		29·7	22·4	
9·8		31·9	30·2	
8·8		32·3	34·4	9·0
9·4		34·3	8·8	
10·0		35·6	30·6	
10·2		45·5	2·6	
9·2		48·4	24·1	
10·0		54·1	1·2	
9·4	48	1·4	3·8	
9·6		5·1	24·3	
9·6		12·1	25·1	9·0
10·0		15·1	29·9	
10·2		25·1	34·4	
10·2		25·6	55·3	
10·2		26·0	28·3	
9·8		27·1	49·6	
9·5		52·6	34·1	
9·6		53·1	43·0	G
9·7		54·1	25·3	
10·2		54·1	8·7	
9·0		58·1	3·9	=
9·9	49	1·6	31·3	
9·8		2·1	38·8	
10·2		21·6	35·8	
10·2		26·6	10·9	
10·2		27·6	46·3	
9·6		39·1	26·7	
9·8	50	16·1	49·9	
10·2		23·6	33·6	
10·0		28·1	17·8	
9·8		31·1	20·5	
9·6		44·1	8·5	
8·9		51·1	7·8	
10·2		56·1	21·5	
8·8	51	3·6	58·5	8·5 G=
	+ 1	3·3	— 5·6	

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3481—3540.

mag.	8h. m	s	—28° ′	
7·9	51	12·6	52·0	8·0 GSb–
9·8		14·0	7·7	b
9·8		16·0	21·0	
10·2		20·0	21·7	
8·5		25·0	43·4	9·0 G
9·0		30·5	36·0	9·5 –
10·0		32·0	4·1	
10·2		40·5	6·1	
9·9		42·0	13·6	
10·2		57·5	29·6	
10·2	52	4·5	20·9	
10·2		4·5	15·1	
10·2		12·0	33·1	
10·0		25·0	33·9	
10·0		27·0	50·0	
10·2		28·0	26·0	
9·9		29·0	35·7	
10·2		31·0	35·8	
9·6		33·0	9·9	
9·6		35·0	32·9	9·0
8·6		37·0	14·1	9·0 a
10·0		39·0	8·3	
7·9		40·0	23·2	8·5 Ga
10·0		45·5	12·2	
10·0		52·0	44·8	
9·2	53	1·5	55·2	9·0
10·2		4·5	16·8	
9·4		5·5	11·4	9·5 a
9·2		8·5	21·2	
10·2		11·5	15·8	
9·7		20·4	2·3	
9·2		24·0	20·9	
9·5		26·5	35·6	
9·0		48·5	47·4	–
7·5		57·4	19·3	7·0 GSat
9·6		58·4	5·4	
10·0	54	3·9	34·9	
9·4		15·8	2·2	
10·0		21·9	56·4	
10·2		26·4	14·6	
9·8		32·4	55·0	
10·2		35·9	8·6	
10·0		37·9	41·0	
10·2		40·4	37·0	
10·2		42·9	23·2	
10·0		44·9	0·9	
9·1		45·9	28·0	8·5 a
10·0		46·4	54·6	
10·0		47·4	24·8	
8·4		51·9	36·4	8·5 a
10·2	55	0·9	1·0	
10·2		0·9	6·9	
10·2		1·9	55·4	
10·2		8·4	9·2	
9·7		30·4	16·2	
8·8		49·9	16·2	8·0 Ga
8·5		55·9	20·7	7·5 Ga
9·8	56	0·9	15·6	
10·0		21·4	19·7	
10·0		24·9	18·0	
25pr.	+1	3·6	–5·7	

3541—3600.

mag.	8h.–9h. m	s	—28° ′	
10·2	56	29·9	38·5	
9·8		40·9	34·7	
9·3		43·9	42·0	
9·6		45·9	45·0	
9·8		52·9	7·8	
9·7		54·9	4·8	
8·8		58·3	6·4	Ga
10·2	57	4·8	21·7	
9·8		8·3	47·2	
10·2		8·3	43·2	
10·2		8·5	1·0	
10·0		8·6	28·9	
9·2		10·3	31·8	
10·2		13·3	22·2	
10·2		23·3	16·3	
10·2		33·8	53·7	
9·6		36·3	6·1	
9·1		38·8	44·7	
9·8		39·1	56·7	
10·2		39·8	42·4	
10·0		43·8	30·5	
10·2		59·3	46·8	
10·0		59·8	43·9	
10·0	58	8·3	13·5	
10·2		9·8	43·1	
9·7		12·3	34·1	
10·2		39·8	5·8	
10·2		41·6	31·3	
9·9		47·3	10·6	
10·0		47·8	41·5	
10·2		53·8	50·0	
10·2	59	2·3	46·7	
10·0		5·3	38·0	
9·8		11·8	11·0	
10·2		14·8	58·1	
10·2		19·6	26·3	
10·2		19·8	11·1	
9·8		24·8	12·4	
9·8		28·3	25·9	
9·8		29·3	40·4	
10·2		42·3	33·7	
8·0		47·3	31·2	7·0 GSa
8·7		49·8	16·8	9·0 Ga
10·2		56·8	8·5	
10·2		57·5	1·3	
9·0	0	0·3	31·8	9·0 Ga
10·0		3·8	50·7	
10·2		7·3	32·9	
9·6		14·2	57·5	
9·4		19·3	9·7	9·5 a
10·0		22·3	33·2	
10·0		27·3	24·3	
9·5		32·8	41·4	
9·7		33·8	42·2	
10·0		39·8	1·9	
10·2		40·3	42·8	
10·0		41·8	47·4	
9·2		48·8	59·5	9·5
9·8		49·8	26·8	
10·2		49·8	18·9	
	+1	3·9	–5·9	

3601—3660.

mag.	9h. m	s	—28° ′	
10·2	0	57·3	29·9	
9·3	1	10·8	23·0	–
10·2		15·8	3·9	
10·2		22·8	5·2	
8·2		29·8	47·3	8·5 =
10·2		34·8	25·6	
10·2		44·8	31·2	
10·2		50·3	55·4	
10·0		53·8	19·6	
9·7		57·8	6·2	
10·2	2	0·8	4·0	
9·3		9·3	9·2	9·0 a
9·0		21·3	30·0	
8·5		26·8	5·5	8·0 Ga
9·8		32·3	8·7	
10·0		36·8	47·4	
9·8		41·8	15·8	
9·3		44·8	31·6	
9·7		51·8	18·3	
9·6		53·3	24·7	
10·2		54·8	50·4	
10·2	3	19·3	39·5	
10·2		19·3	57·6	
8·3		41·3	27·1	8·5 GW=
9·2		41·8	6·0	
10·0		44·8	3·2	
10·0		48·8	13·3	
9·0		50·8	18·7	9·0 –
9·6		53·8	8·1	
9·8		57·8	17·9	
10·2	4	0·3	30·5	
9·6		21·8	56·0	
10·0		23·3	17·0	
9·8		26·3	0·5	
8·8		35·3	14·7	9·0 –
9·6		37·3	28·4	
10·0		40·3	45·2	
10·2		45·2	38·5	
10·2		50·3	44·2	
10·2		56·8	8·3	
10·2		57·8	41·0	
9·6	5	4·3	10·6	
9·6		13·3	4·0	
10·0		13·8	10·9	
10·0		14·8	43·1	
10·2		22·3	50·4	
9·8		30·3	18·3	
10·2		44·8	6·8	
9·8		52·8	59·9	
10·2		55·3	55·7	
9·7	6	2·8	27·8	
9·8		12·8	49·5	
10·0		21·8	33·6	
9·5		23·1	1·7	
9·8		25·8	13·9	
10·2		29·8	15·9	
10·2		33·8	23·7	
10·2		35·3	33·7	
10·2		39·8	11·2	
9·8		41·8	27·6	
	+1	4·2	–6·0	

3661—3720.

mag.	9h. m	s	—28° ′	
7·3	6	59·8	26·1	7·5 GSb=
10·2	7	10·8	8·2	
10·2		13·3	28·8	
10·2		26·8	46·1	
10·0		39·3	55·9	
8·8		42·3	51·9	8·0 G=
10·2		43·8	6·5	
10·2		49·3	41·3	
10·2		51·3	42·1	
10·0	8	6·3	18·8	
10·2		15·8	6·9	
9·6		18·3	21·9	
10·2		23·3	44·1	
9·2		29·0	56·3	–
10·0		49·8	41·6	
9·2	9	6·0	9·7	
10·2		21·8	20·0	
8·4		21·8	40·5	a
9·7		21·8	55·0	
10·2		28·8	5·9	
9·4		39·8	42·1	
9·9		42·3	31·2	
10·2		44·8	6·3	
10·0		47·8	52·4	
9·9	10	9·3	7·4	
10·2		13·8	46·2	
10·0		22·3	46·2	
9·8		37·8	46·4	9·5 G
7·2		44·8	21·9	7·7 GSat
10·0		51·3	41·0	9·5
8·4		59·8	17·1	8·7 a
9·8	11	9·8	28·3	
7·8	12	18·8	53·7	8·5 –
9·6		21·8	36·8	8·5 W–
9·8		33·2	1·9	
10·0		39·3	15·2	
8·7	13	7·8	53·2	9·0 –
9·0		12·3	24·0	
8·4		14·8	49·6	9·0 –
10·0		19·1	44·0	
8·7		20·8	10·2	9·0 –
9·0		29·3	39·7	
9·2	14	49·3	43·8	9·0 –
9·6		49·8	33·9	
7·6	15	1·8	35·8	7·5 GS≡
7·4		18·8	41·4	8·0 GSa
7·8		21·8	16·4	8·0 GSb=
9·4		29·8	16·2	
9·8	16	19·8	43·7	9·5
8·2		23·8	11·9	8·0 G -
10·0	17	19·4	59·5	
9·6		29·8	12·2	
8·4		33·8	11·2	
9·0		34·8	27·4	8·0 GW
8·7		39·8	44·8	8·8 –
8·5		44·8	4·9	8·5
6·5		47·9	17·9	5·0 GStπ
9·0		54·9	34·4	8·0 GW=
9·0		55·4	5·7	8·5
9·0	18	4·9	32·6	8·5 W–
	+1	4·6	–6·2	

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3721—3780.

mag.	9h. m	s	—28° ′	
10·0	18	13·2	44·6	
10·0		53·4	22·5	
8·1		57·9	38·7	8·0 Ga
8·4	19	7·4	31·9	8·5 GW=
9·6		20·9	35·1	
10·0		29·9	55·5	
9·4		46·9	10·2	
8·4		52·9	26·4	8·0 GSat
10·0	20	9·9	6·5	
10·0		11·9	23·9	
9·8		11·9	6·0	a
8·0		15·4	47·7	9·0 GSa
8·2		19·9	47·3	9·0 GSa
10·0		27·9	46·7	
10·0		32·9	21·0	
9·8		32·9	28·2	
8·0		59·9	54·3	9·0 GSa
9·0	21	16·4	36·4	9·5 a
6·4		18·9	14·8	6·5 GSct
9·6		24·9	18·6	9·5
9·2		34·9	54·8	
9·8		43·0	31·0	
9·2		53·4	45·0	a
9·8		55·4	1·9	
9·2	22	16·4	21·9	8·8 —
9·6		34·4	3·4	
10·0		46·4	40·6	
10·0		57·9	35·9	
10·0	23	16·5	24·2	9·5
10·0		19·4	9·0	
9·0		37·9	31·1	9·5
10·0		56·7	57·4	
8·0	24	37·0	2·9	7·5 Ga
9·0		48·5	44·2	
10·0		55·5	32·9	
8·0	25	11·0	3·4	8·0 a
7·4		11·0	13·0	7·0 GSa
10·0		15·0	8·3	9·2
9·4		45·5	2·6	9·0 a
10·0	26	0·8	57·7	
10·0		27·0	51·5	
7·8		38·5	29·8	8·5 GW=
9·4		46·5	9·1	
6·8		50·0	4·8	7·0 GSat
10·0	27	0·0	42·1	
10·0		19·8	57·0	
9·2		21·5	22·2	
9·8		22·0	40·1	
8·6		34·5	15·4	9·2 G
10·0		42·8	46·8	
9·6	28	9·5	55·4	
10·0		18·1	51·1	
9·4		21·0	47·1	
8·4		26·0	13·3	9·0
9·0		41·5	39·7	
9·0		42·0	0·5	9·0 —
10·0		54·5	46·0	
10·0	29	9·8	21·5	9·5
10·0		11·0	27·2	
8·2		27·5	19·3	8·8 —
25pr.	+ 1	5·3	—6·5	

3781—3840.

mag.	9h. m	s	—28° ′	
9·4	30	0·5	9·4	
9·2		28·0	51·1	8·8 GSa
9·0		50·0	28·8	
8·9		55·0	25·2	
8·6		59·3	44·8	9·0 —
10·0	31	43·6	35·4	
8·2		47·1	50·7	9·0 GSa
9·4		49·3	14·9	
9·3		49·8	11·6	9·5
8·9		54·8	50·3	9·5
8·9		59·3	3·9	8·0 a
10·0	32	17·3	9·7	
10·0		22·8	30·4	
10·0		48·6	11·9	
9·0		56·1	0·8	9·5
10·0	33	19·6	59·0	
9·2		24·1	15·1	9·5
9·8		25·1	34·9	
9·2		58·1	22·9	9·5
10·0	34	8·6	27·2	
8·7		18·6	20·7	8·0 Ga
9·4		49·1	14·2	
9·0		58·6	58·9	9·0 a
9·2	35	22·1	16·7	9·0 a
10·0		33·6	48·1	
9·6		48·6	36·7	
10·0		57·6	14·1	
8·6	36	3·6	48·3	9·2 Ga
9·5		7·6	48·6	9·5 G
9·4		10·6	43·3	
9·8		15·1	32·5	
10·0		25·1	36·1	
10·0	37	33·6	35·5	
9·4		50·6	23·8	
10·0	38	3·6	33·5	9·5
10·0		4·1	15·9	
8·2		8·6	35·5	9·0 =
10·0		20·1	52·7	
9·2		31·1	45·6	
9·8		43·6	46·6	
9·7		48·6	46·3	
8·8	39	4·1	57·7	
9·7		41·9	56·0	
10·0		50·9	43·1	
10·0		57·9	40·0	
8·4		59·1	58·1	8·0 G—
9·2	40	15·4	8·7	
8·2	41	11·4	54·1	8·5 =
9·8		19·3	15·5	
8·4		21·4	23·8	Ga
9·7		29·4	1·5	
9·7		30·4	28·1	
9·6		39·4	22·1	
9·7		44·4	26·8	
10·0		48·4	32·7	
9·4		49·4	11·1	
9·6		54·9	15·4	
9·4		55·9	7·0	
9·2	42	1·9	7·3	
9·8		7·9	44·7	
	+ 1	6·2	—6·8	

3841—3900.

mag.	9h. m	s	—28° ′	
8·6	42	19·4	22·7	a
9·5		24·7	2·0	
9·4		39·4	5·6	
9·7		51·4	7·0	10·0
9·7	43	0·9	8·9	9·5
9·4		11·4	7·2	
9·7		12·4	36·7	
9·4		26·9	15·9	
9·8		29·4	30·6	
9·5		59·4	46·3	9·5
9·3		59·4	3·0	
8·4	44	14·4	27·0	8·5 a
10·0		20·4	49·1	
8·2		29·4	18·0	8·0 Ga
10·0	45	5·9	21·5	
10·0		15·9	4·1	
9·6		53·9	34·1	
9·6		59·4	31·1	
9·2	46	9·4	43·6	
9·0		11·4	43·9	
8·7		31·4	29·0	8·0 Ga
8·2		39·4	4·6	8·5 a
9·4		43·9	53·7	
9·4		54·4	48·1	
9·6		57·9	35·0	
9·0	47	29·4	1·9	
9·4		45·4	25·2	
9·6		55·4	5·8	
9·3		58·4	10·2	9·0 a
10·0	48	18·9	8·3	
8·8		49·4	14·1	8·5 Ga
9·8		54·4	43·0	
9·5	49	5·2	0·0	
9·6		7·9	55·9	
9·7		17·9	53·8	
10·0		39·4	21·4	
8·9		41·9	40·9	8·5 G—
10·0		44·4	23·1	
8·8		54·4	22·4	9·5
10·0		54·4	24·9	
8·8	50	4·4	19·3	9·5
9·4		14·4	28·2	
9·3		29·4	3·6	
9·8		34·4	10·7	
9·6		34·4	25·2	9·5
10·0		40·4	31·2	
10·0		52·9	46·0	
7·8	51	10·9	40·3	8·0 G≡
9·4		30·4	13·2	
8·8		37·9	26·3	9·5
9·0		41·4	26·7	9·0
10·0		57·4	20·8	
9·6		57·9	7·3	
8·6	52	10·4	27·1	9·0 —
10·0		12·9	34·0	
10·0		13·9	17·1	
8·8		19·4	9·5	9·0 a
9·8		23·4	56·7	
10·0		35·4	17·3	
9·3		37·4	33·6	9·5
	+ 1	6·9	—7·0	

3901—3960.

mag.	9h.–10h. m	s	—28° ′	
9·7	52	41·4	10·5	
8·6		44·4	19·8	9·0 Ga
7·5	53	7·4	42·5	7·5 GSat
9·0		14·4	21·9	
9·0		14·4	44·1	
10·0		26·4	26·9	
9·7		27·4	54·5	
9·3		29·4	54·1	
9·3	54	9·4	45·0	
10·0		12·9	35·0	
9·4		29·6	7·0	
10·2		48·9	46·6	
10·2		50·9	53·8	
10·2	55	18·9	8·9	
10·1		23·7	21·6	
9·7		25·4	11·2	a
10·2		32·9	53·1	
10·1		35·4	41·8	
10·2		43·4	21·5	
10·1		52·9	13·6	
9·5		58·9	39·9	
8·0	56	12·9	4·7	8·0 GSa
8·3		13·9	4·3	8·5 GWa
9·8		40·4	17·3	
9·5		40·9	59·1	9·8
10·2		50·4	50·2	
10·2		57·4	49·7	
9·7		59·9	54·0	
10·2	57	6·4	31·2	
8·8		14·9	42·3	9·2 =
9·4		19·9	35·1	9·5
8·7		27·4	3·7	a
8·0	58	0·9	26·3	8·0 G=
9·8		1·4	30·4	
9·7		9·9	56·1	
9·6		18·9	25·5	
10·1		20·4	28·2	
9·6		20·9	48·3	
9·3		54·4	47·4	
10·2		54·9	27·9	
9·7		58·9	33·0	
9·7		59·4	7·4	
9·1	59	4·9	54·6	
10·2		9·9	44·7	
9·9		13·4	27·2	
9·3		18·9	50·1	
10·2		20·9	41·0	
9·2		23·4	14·9	
9·7		24·8	56·9	
9·3		28·4	28·2	
9·2		30·9	52·3	9·5 —
9·9		32·4	10·8	
10·2		38·4	37·9	
9·8		43·4	26·6	
10·2		58·9	46·3	
9·6	0	3·9	50·1	
9·7		7·9	55·0	
9·9		16·4	15·5	
9·9		19·8	25·9	
9·4		26·8	33·3	9·2
	+ 1	7·5	—7·2	

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3961—4020.

mag.	10ʰ m	s	—28° ′	
8·0	0	26·8	30·6	7·5 G≡
9·5		36·3	15·2	
8·6		47·5	2·5	8·0 G≡
9·9		48·8	19·7	
8·4	1	0·3	31·6	8·0 G≡
10·2		18·3	55·0	
10·0		22·8	7·0	
8·4		26·8	15·5	7·8 G−
10·0		42·3	51·8	
9·7		44·8	27·1	
9·7		47·3	37·9	
9·5		51·8	25·0	9·0
9·9		51·8	43·5	
8·6		54·8	39·6	
10·2	2	1·8	44·1	
10·0		4·3	16·8	
10·2		12·3	50·5	
9·5		15·3	27·0	
10·0		19·3	1·8	
10·0		20·3	58·8	
9·9		32·3	7·4	
9·9		37·8	0·9	
9·8		42·8	43·2	
9·3		43·8	0·5	9·5 a
9·6		54·5	59·3	
9·0	3	0·8	22·1	9·0
10·0		6·3	5·4	
9·5		22·3	6·7	
10·2		24·8	13·6	
9·7		59·8	47·3	
9·7	4	3·3	45·1	
9·8		5·3	45·2	
10·2		12·3	36·7	
8·9		15·3	40·3	9·0 a
9·9		20·3	27·1	
9·4		20·8	26·7	
10·2		30·6	5·9	
10·0		35·3	6·5	
10·2		36·3	46·3	
9·4		36·3	41·1	10·0
9·9		40·3	6·1	
9·9		47·8	28·4	
9·9	5	1·3	44·5	
10·2		8·3	37·1	
10·2		26·8	18·5	
9·8		30·3	4·1	
10·1		49·3	28·0	
10·2		49·8	30·8	
10·2		54·3	48·1	
9·6	6	2·8	14·1	a
10·1		3·3	6·3	
10·1		8·8	49·5	
9·9		10·8	0·4	
10·2		11·3	51·5	
10·1		11·8	57·0	
9·8		21·8	0·8	W
10·2		22·8	9·9	
9·7		26·3	7·9	
9·5		31·8	28·1	
10·2		41·3	28·6	
25pr.	+1	8·0	−7·3	

4021—4080.

mag.	10ʰ m	s	—28° ′	
10·1	6	48·3	33·5	
10·2		51·8	23·9	
9·7	7	2·8	31·1	
8·0		6·3	53·0	7·6 GSbt
10·2		15·3	16·3	
10·1		15·8	58·2	
9·4		39·7	20·1	a
9·7	8	14·7	22·4	a
10·2		15·2	35·5	
9·2		16·2	32·6	9·5 a
9·6		16·2	5·4	
9·7		21·7	36·0	
10·2		23·2	34·6	
10·0		28·7	55·0	
9·5		30·2	35·0	
10·2		31·2	23·8	
9·9		34·7	19·6	
9·9		34·7	39·6	
9·5		50·7	7·4	
9·8		53·7	5·0	
10·2	9	0·2	43·1	
10·0		7·2	28·5	
8·7		8·2	12·0	9·2 a
9·7		23·7	14·6	
9·9		29·2	21·4	
9·7		35·2	26·2	
10·2		38·2	18·0	
10·1		40·2	12·0	
9·6		46·2	40·0	
10·2		47·7	5·8	
9·9		50·2	50·1	
10·2	10	0·2	55·0	
9·9		8·2	43·7	
10·1		12·9	1·8	
10·2		14·7	23·2	
9·8		26·7	22·8	
10·1		30·2	30·1	
7·8		35·6	21·2	8·0 GS−
10·2		41·1	32·3	
10·2		43·6	45·4	
9·7		49·6	54·0	9·5
9·6		55·1	35·6	a
9·1		57·6	6·5	
9·1		59·1	35·1	a
9·5	11	2·6	4·5	
9·7		12·6	59·3	
10·2		20·1	22·9	
10·2		20·1	18·9	
10·1		26·1	0·1	
9·9		29·6	7·7	
9·8		33·9	0·1	
10·2		34·1	50·4	
9·7		46·1	59·2	
9·3		51·6	49·8	
9·2		59·1	11·9	9·0 b
9·5		59·6	25·3	
8·9	12	2·6	36·6	8·5 Ga
10·1		5·6	50.3	
9·3		9·6	23·4	
10·0		12·6	17·1	
	+1	8·4	−7·4	

4081—4140.

mag.	10ʰ m	s	—28° ′	
10·2	12	22·1	12·0	
7·0		23·6	22·1	6·0 GStπ
9·7		29·1	53·5	
9·7		43·1	55·3	
9·7		57·1	22·1	
9·9	13	1·6	39·6	
10·2		5·6	13·7	
9·7		11·1	7·5	9·5
7·9		22·6	20·0	8·2 GWtπ
9·7		31·1	17·3	
10·2		38·6	57·5	
9·9		39·6	54·3	
9·9		44·6	25·3	
10·0		45·6	55·5	
9·6		47·1	10·6	
9·1		50·1	47·7	8·8 Ga
10·1		56·1	35·1	
8·0	14	2·1	19·9	8·5 GWa
9·5		18·6	1·8	9·2
9·0		23·5	2·5	8·5 Ga
10·2		28·1	9·7	
10·1		30·1	46·9	
9·7		32·6	29·8	
9·9	15	3·1	29·7	
10·0		11·6	2·8	
8·8		12·1	7·0	9·0 a
10·1		21·6	5·2	
10·2		23·6	50·8	
9·1		38·1	31·7	9·5
9·7		38·1	4·0	
9·9		56·1	41·5	
9·1	16	5·8	14·9	a
9·8		19·1	5·2	
8·9		34·4	21·1	
9·7		34·7	1·7	
7·6		37·9	55·7	8·0 GStπ
9·1		38·6	13·1	9·5 a
9·8		40·1	43·8	
9·9		52·2	44·8	
10·2		54·6	48·7	
10·1	17	0·1	43·8	
9·8		0·6	47·9	
10·2		1·6	53·5	
9·7		19·1	54·7	
10·1		20·1	9·7	
9·8		26·1	33·8	
10·2		41·2	14·7	
9·6		42·2	27·5	
8·8		46·5	49·3	9·0 a
9·0		48·5	56·5	G
8·6		49·0	30·4	8·0 a
10·2	18	9·2	20·1	
9·6		43·3	5·0	
7·8	19	38·7	33·6	7·0 GSat
9·6	20	33·7	13·0	
9·4	21	20·7	26·3	
9·6		31·2	20·8	9·5
9·6		38·7	13·0	9·0
8·8	22	33·7	52·2	9·2 b
9·6		53·5	23·7	
	+1	8·8	−7·5	

4141—4200.

mag.	10ʰ m	s	—28° ′	
8·6	23	18·0	56·7	9·0 a
8·8		19·0	16·4	9·0
9·6		26·0	3·7	
9·0		44·0	54·9	9·0
9·6		49·0	27·1	9·5
9·6	24	59·0	7·9	
9·6	26	2·5	38·7	9·5
8·8		21·0	38·1	9·5 −
8·2		43·0	24·0	8·8 a
9·0		44·0	51·4	8·5 a
9·6	27	8·5	22·8	10·0
9·6		52·5	58·0	9·5
9·6	28	11·5	53·8	9·2 a
9·6		45·5	58·9	9·2 a
9·6		47·0	27·2	9·5
9·6	29	9·6	43·5	
9·6		34·9	25·9	
9·6		49·6	56·9	
8·2	30	3·9	28·9	8·8 Gb
9·4		14·9	54·7	9·0
7·0		44·9	7·5	7·5 GSat
9·6	31	19·9	31·3	9·0 a
7·9		54·9	26·9	8·0 GWa
10·1†		58·9	56·0	a
9·6	32	52·6	22·6	
9·6	33	40·7	53·4	
8·8	34	5·1	38·7	
9·6	35	23·6	51·9	
9·6	36	22·3	14·0	
9·2		30·3	10·9	Ga
9·6		32·8	39·3	
9·6		46·8	51·8	−
9·4	37	21·8	44·4	
9·6		29·8	53·8	8·5 =
8·2		36·8	24·4	8·0 W−
9·6	38	12·8	43·6	
9·6		51·1	20·4	
10·2	39	47·1	56·6	
9·3	40	20·5	40·5	9·5
9·5		44·5	45·9	
9·6	41	20·5	6·4	
10·2		30·5	34·1	
8·6		44·5	20·0	9·0 −
10·2		57·0	53·4	
9·2	42	38·7	48·4	9·5'
8·2	43	3·7	26·5	8·2 −
9·1		19·7	28·3	9·0 −
10·2		37·7	40·7	
9·5		37·7	8·7	a
9·3	44	11·2	18·3	b
10·2	45	0·7	10·3	
10·0		26·7	43·2	
9·4		47·7	20·4	
7·8		51·9	59·3	8·2 Ga
10·0	46	3·7	54·3	
10·2		19·7	48·4	
10·4†		29·0	44·1	
8·8		37·7	51·0	9·0 a
10·2		42·2	56·1	
10·4†		55·1	58·8	
	+1	10·4	−7·8	

4201—4260.

mag.	10h—11h m	s	—28° ′	
9·5	47	17·2	18·5	
9·8		19·7	52·1	
10·2	49	9·7	26·7	10·0
10·2		21·7	2·0	
8·6	50	14·7	35·0	9·2 G=
9·5		21·2	55·1	
9·3		29·9	57·4	
10·2	51	2·3	44·2	
8·6		26·6	36·9	8·5 G≡
10·2		35·1	58·2	
8·2	52	12·6	34·2	8·0 Ga
10·2		17·4	46·2	
8·6		43·1	28·1	8·0 Ga
10·0		45·1	3·7	
9·2	53	10·6	29·4	8·5 a
10·0	54	1·1	10·6	
9·8		20·1	10·5	
10·0	55	11·1	36·8	
9·6		30·1	55·7	9·0
10·0		52·1	44·7	
10·2	56	26·1	59·2	
8·6		40·1	48·3	9·2 a
9·3		50·6	3·2	9·0 a
10·2	57	24·3	50·2	
10·2	58	9·1	52·7	
9·4	59	29·6	57·5	
9·4	0	15·1	23·8	
7·2		37·1	3·1	7·0 GSct
10·2	2	28·6	35·0	
9·8	3	1·4	29·5	
9·0		5·1	35·1	
10·2		49·2	10·6	
7·8		57·1	55·5	8·0 GSa
10·2	4	16·6	16·3	
10·0		22·6	44·1	
8·5		43·1	53·8	8·8 Wa
10·2		59·2	17·7	
10·0	6	14·1	44·7	
9·8	7	9·1	54·7	
9·6		15·1	33·2	
10·0		29·1	6·3	
9·2		46·6	17·6	9·5
9·6	8	11·1	11·1	9·5
9·4		41·1	35·5	
9·6	9	5·1	52·0	
8·4		16·6	50·0	9·2 a
10·2		31·1	28·5	
8·4		41·1	52·5	8·7 a
9·6	10	5·7	18·8	
10·0		10·2	12·8	9·5
9·6		11·7	14·0	10·0
9·6		13·2	33·0	a
10·2		32·7	58·1	
9·8		51·7	47·5	
8·8	11	43·2	43·4	9·5 —
9·3		44·7	28·9	9·0 a
10·2	12	26·7	41·5	
9·6		41·7	12·7	
10·2	13	2·7	18·6	
9·6		35·7	15·6	
25pr.	+1	12·3	−8·1	

4261—4320.

mag.	11h m	s	—28° ′	
9·2	13	36·2	49·8	
9·6	14	7·2	3·9	
9·0		59·7	3·3	9·2 —
8·2	15	17·7	54·6	8·8 GSb
9·6		28·1	3·0	
10·2		53·7	12·9	
10·2	16	25·7	10·5	
10·2		28·7	44·9	
7·4		56·7	12·6	7·8 GSb—
10·2	17	1·7	15·0	
9·8		36·7	22·2	
9·4		46·2	1·0	
9·6		48·2	37·9	
8·4	18	30·7	29·6	7·8 =
10·0	19	31·7	48·0	
9·4		52·2	48·7	9·5 a
9·6	20	9·7	1·1	
9·6		39·2	7·8	
10·0		52·7	24·0	
9·4		58·7	53·5	9·0
8·4	21	20·7	16·7	9·0 a
10·0	22	0·7	35·1	
9·4		17·2	3·4	a
10·2		31·2	30·8	
10·0		31·2	20·4	
9·2		39·7	37·5	
9·8		40·7	47·1	
10·2		41·7	8·6	
9·6	23	6·7	40·5	9·5
8·8		11·7	27·7	9·0 =
8·4		16·5	46·2	8·5 Ga
10·2		53·2	9·8	
10·0	24	23·7	56·5	
10·2		25·7	41·0	
10·0		42·2	2·4	
10·0		48·0	23·9	
8·4		52·2	6·4	8·0 GWa
10·0		52·2	28·9	
10·2		56·2	20·1	
10·0	25	16·0	20·8	
9·4		23·0	56·7	9·5
10·2		53·2	16·9	
6·0	26	4·5	34·5	*5·3* GSπβ
9·2		17·3	50·5	9·5 b
8·3		20·3	27·0	8·0 GSa
9·1		37·8	3·0	9·0
9·8		42·3	4·5	
9·6		47·8	21·9	
9·2	27	35·8	40·1	a
10·0		53·8	50·3	
10·0	28	6·9	8·9	
10·0		21·4	36·3	
9·6		32·4	31·5	a
10·0	29	38·4	26·0	a
10·0		56·4	29·2	9·0 a
9·1	30	45·9	8·0	9·0
9·6		56·4	29·9	
8·8	31	2·9	21·0	9·2 a
9·3		5·9	36·2	a
9·0		28·9	9·6	9·0 a
	+1	13·8	−8·2	

4321—4380.

mag.	11h m	s	—28° ′	
10·0	31	33·1	21·3	
9·8		59·6	15·2	
9·2	32	45·6	36·1	
10·0	33	1·1	38·4	9·5
9·2		20·6	28·0	
9·0		53·6	38·7	8·8 Ga
8·6	34	26·1	11·4	
9·8		44·6	28·7	9·2
8·4		52·1	10·6	8·5 G
6·6		56·1	30·5	6·5 GSat
9·1	35	2·6	35·5	
9·8		18·4	30·1	
8·2	36	19·4	56·8	7·8 Ga
10·0	37	20·1	39·8	
8·0		31·6	59·2	8·0 Wa
9·8		57·6	30·6	
9·4	38	6·6	25·6	
9·8	39	43·1	54·5	a
9·3		48·1	18·4	
9·2	40	9·6	35·0	9·0 a
8·8		13·6	4·6	—
8·6		32·6	39·6	8·5 a
9·6		37·6	35·0	
10·0		45·4	43·2	
8·2	41	2·4	47·8	7·8 Ga
9·8		8·9	3·1	
9·4		13·9	21·1	
9·5		31·9	8·3	
9·8		48·9	59·0	8·8 a
9·5	42	30·9	12·8	
9·8	43	11·9	15·5	
8·6		59·4	26·0	8·5 a
9·3	44	3·9	57·1	
9·4		21·9	19·7	a
9·3		51·9	47·7	9·5 a
9·8	45	23·9	10·7	
10·0		38·5	55·5	
9·3	46	2·9	11·9	9·5
9·8		15·4	26·7	
10·0	47	16·1	24·2	
9·3	48	2·1	40·8	9·5
9·4		7·9	20·0	
9·4		26·9	25·5	
9·0		36·4	12·9	
8·8		57·9	18·1	9·0 a
10·0	49	0·1	7·2	
9·5		9·4	4·8	9·0 a
10·1		27·4	29·7	
9·8		48·4	38·8	
8·6	50	55·4	24·3	a
9·4	51	3·9	7·7	a
10·1		59·4	6·9	
10·0	52	43·4	8·4	
9·5		49·9	47·3	
10·0		54·4	55·0	9·0
9·6	53	4·4	25·4	
9·2		6·4	15·0	9·0
8·6		9·4	30·8	9·0 G—
8·8		22·4	48·3	9·0 Ga
10·0		34·4	33·1	
	+1	15·4	−8·3	

4381—4440.

mag.	11h—12h m	s	—28° ′	
10·1	53	54·9	52·2	
10·0	54	12·4	3·4	
9·6		52·4	34·8	9·0
9·6	55	27·7	59·0	
8·4	56	46·4	33·8	8·0 Ga
10·1		57·9	15·9	
8·7	57	19·4	59·6	9·0 a
10·0	58	5·9	8·0	
9·6		11·8	21·3	
9·4		18·8	29·3	9·0 a
9·2		40·3	38·8	
7·8		46·8	0·7	8·0 Ga
10·1		53·8	51·0	9·0
9·8	59	19·8	5·1	
8·9		48·8	19·9	a
9·5	0	20·8	28·3	9·5
8·4		27·8	25·8	8·0 Ga
10·1		49·7	14·0	
9·8	1	1·8	32·3	
7·9		11·3	21·9	8·0 Gb
9·5		15·3	57·5	
9·2		15·8	16·3	8·0 Ga
8·9	2	5·3	40·7	9·0 Ga
9·5		15·0	58·1	
9·6		15·8	28·1	
10·0		22·8	38·7	
8·9	3	11·0	21·0	9·0
9·3		13·0	53·0	
9·0		40·0	26·9	9·0
9·3		53·0	43·4	
8·2	4	2·0	55·5	8·8 a
9·0		4·0	19·8	9·5
10·1		4·0	22·6	
10·1		33·0	52·7	
9·4	5	3·0	9·6	9·5
8·4		20·0	42·1	8·0 a
10·1		35·0	14·2	
10·0		53·3	0·3	
9·2	6	23·0	55·0	a
9·2		42·0	53·1	8·5 Ga
10·0		46·5	6·8	9·5
10·1		51·5	9·1	
9·8	7	0·0	21·4	
10·1		2·0	36·1	
10·0	8	2·2	54·0	
8·9		12·2	15·2	9·0 S
9·8		23·2	41·3	
7·2		38·1	32·4	6·5 GSat
10·1		58·7	11·0	
10·0	9	5·6	35·9	9·0
10·0		6·2	32·6	9·5
10·0		33·5	53·4	
7·9		33·9	55·8	8·0 GSa
8·6	10	15·8	16·8	9·0
10·2		35·3	57·6	
9·8		48·5	10·2	
8·8	11	25·5	55·6	8·8 a
8·8	12	44·0	11·7	9·5 G
9·8	13	22·0	38·7	
10·0		22·0	9·9	
	+1	17·1	−8·4	

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4441—4500.

mag.	12h. m s	—28° ′	
8·8	13 30·0	20·3	8·8 =
10·2	36·5	6·4	
10·2	48·5	35·9	
10·2	50·0	27·5	
8·6	14 0·5	35·0	Ga
8·6	6·5	17·3	9·0 a
9·4	8·5	20·8	9·0 a
8·8	23·0	32·8	9·0
9·8	31·0	29·4	9·0
10·2	34·5	8·5	
9·0	38·5	34·8	9·0
9·2	15 32·5	58·9	
9·2	45·5	16·2	
10·2	16 3·5	35·8	
8·9	17 14·5	8·1	
9·5	42·5	23·8	
10·2	44·0	3·0	
8·6	18 7·5	15·0	8·5 G≥
10·2	21·5	53·7	
10·2	23·1	12·4	9·0
9·4	38·1	46·1	
10·2	19 5·1	28·3	
8·4	19·1	58·7	9·0 =
10·2	21·6	37·8	
9·8	40·6	45·4	
8·9	20 6·6	8·2	
10·0	12·1	4·6	
8·8	21·6	22·3	9·0
9·0	33·9	57·7	
7·4	52·9	1·4	7·8 GSa
10·2	21 2·4	13·9	
8·6	26·4	42·6	8·5 a
9·8	32·9	18·9	
10·2	45·4	13·3	
10·2	51·9	10·6	
10·2	52·9	13·6	
9·8	56·9	34·6	
9·2	22 10·4	26·5	
8·4	15·9	45·7	8·5 Ga
10·0	30·3	16·9	
8·8	37·9	38·0	8·5 a
10·2	45·3	47·0	
8·3	50·4	45·1	8·5 Ga
10·2	23 2·4	49·4	
9·2	11·4	5·1	
8·3	13·4	37·2	8·0 Ga
8·9	45·4	59·5	
9·2	46·4	33·3	
9·0	24 13·4	22·0	
10·2	25·4	17·6	
10·0	37·4	27·4	
10·0	39·9	41·1	
9·8	44·4	23·3	
8·9	25 12·4	50·4	
9·3	20·5	25·4	
10·2	37·5	26·0	
10·2	26 15·5	42·6	
9·4	19·6	48·0	
9·2	21·4	59·7	8·8 a
8·4	32·6	19·0	–
25pr.	+1 18·5	−8·3	

4501—4560.

mag.	12h. m s	—28° ′	
9·4	26 52·6	52·0	
8·6	27 10·6	30·6	9·0 –
9·8	18·1	27·8	
9·5	28 27·6	5·3	9·0 a
9·4	29 38·6	57·8	9·0
8·9	38·6	54·0	9·0 =
9·5	50·1	8·6	
9·5	30 10·0	0·9	
10·2	31 2·6	52·6	
10·2	29·7	34·5	
10·2	46·1	46·3	
9·4	50·9	36·4	
9·2	32 5·7	34·2	
10·2	12·7	9·3	
10·1	30·1	32·0	
9·4	34·1	29·0	
9·2	41·6	6·4	
7·7	45·6	51·0	7·5 GSat
10·2	33 6·4	1·4	
8·6	9·6	58·2	7·5 GSa
9·6	13·1	4·2	
9·8	36·6	26·7	
8·1	40·6	55·7	8·2 G
10·2	34 29·6	10·0	
8·5	35 12·6	18·1	8·2 Ga
8·8	40·1	59·4	9·0 Ga
9·8	36 2·4	23·2	
8·8	47·3	7·8	8·8 Ga
9·0	52·8	45·4	
10·2	37 5·7	38·6	
8·2	10·2	1·1	8·5 Ga
9·6	20·2	1·5	
9·4	20·8	47·0	9·0
8·8	39·3	48·8	8·5 G≡
9·3	49·4	1·6	
10·2	56·8	31·5	
7·2	38 35·8	4·8	7·0 GSa
9·9	39 20·2	32·7	
8·8	40 10·2	18·1	9·0 =
8·6	41·7	54·5	8·8 –
9·7	58·7	50·7	
9·4	41 39·7	18·1	
8·8	42·2	3·9	9·0 a
9·7	44·2	19·9	
9·3	42 4·2	26·3	
10·1	12·7	24·7	
8·0	29·2	10·3	8·7 Ga
9·2	43 5·7	28·9	
10·1	21·2	44·3	
10·2	38·2	28·2	
9·6	44 3·2	10·2	
7·7	23·2	29·7	8·0 Ga
10·1	27·7	25·1	
8·4	38·5	18·0	8·8 a
10·1	45 5·0	35·6	
9·4	13·0	23·3	9·0
8·4	21·3	2·9	8·8 a
9·6	24·0	21·4	
9·6	52·5	48·9	=
9·6	54·0	50·2	
	+1 19·8	−8·2	

4561—4620.

mag.	12h. m s	—28° ′	
9·0	45 56·5	20·1	
7·8	57·3	1·6	8·5 a
10·1	46 2·5	11·9	
10·1	6·5	11·6	
10·2	17·5	23·0	
10·2	20·5	23·9	
10·0	27·5	45·6	
9·7	30·5	28·7	
10·0	36·0	38·3	
9·3	41·5	38·2	
10·2	47·5	7·3	
7·9	47 9·5	37·7	8·0 Ga
8·0	28·0	43·4	8·0 a
9·6	34·5	43·1	–
9·0	42·5	34·0	
10·1	50·5	45·6	8·5 Ga
9·9	54·5	43·7	9·0
10·0	48 10·5	47·1	
9·4	30·5	37·7	8·8 –
9·9	48·5	18·3	
10·2	50·0	40·5	
10·2	49 1·8	38·4	
9·9	12·8	16·8	
9·4	43·3	40·1	
9·6	50 18·8	38·5	
10·0	29·8	12·0	
7·5	34·8	11·3	7·5 GSa
8·8	56·8	14·5	9·0 b
9·0	51 0·8	46·2	9·0
10·2	10·8	58·0	
9·4	52·3	41·8	
9·4	58·8	19·2	
9·6	52 10·8	4·5	
10·1	20·8	51·8	9·0
9·6	26·8	5·3	
9·0	38·8	48·1	8·5 Ga
10·2	53 35·8	50·4	
10·2	36·8	12·7	
9·0	38·8	20·3	9·0
10·2	52·8	16·0	
10·1	54 14·8	25·4	
9·0	26·8	13·0	
9·1	38·6	35·9	9·0
10·2	42·3	21·1	
10·1	45·3	6·2	
10·2	56·3	34·1	
10·0	55 2·4	19·6	
7·0	38·2	35·5	7·0 GSb≡
9·7	56 35·5	23·5	
7·3	35·6	59·6	7·5 GSa
10·0	41·6	38·5	
9·5	52·1	30·2	9·0 –
9·8	52·6	3·4	
9·5	57 51·1	1·0	
10·0	55·9	10·7	
9·2	58 8·1	15·3	
10·0	40·6	21·9	
9·4	49·6	15·7	
9·9	54·6	25·4	
9·5	59 0·1	3·7	
	+1 20·8	−8·2	

4621—4680.

mag.	12h.–13h. m s	—28° ′	
9·8	59 29·1	30·4	
9·2	48·6	46·7	9·0 Ga
10·0	0 49·6	8·9	
10·0	54·1	25·2	
8·4	58·6	48·2	8·5 a
9·8	1 7·2	21·6	
8·8	2 20·7	22·5	8·5 –
10·0	31·2	6·5	
10·0	3 8·7	39·7	
10·0	4 14·7	26·1	
10·0	18·2	27·3	
9·4	21·2	26·3	
10·0	24·7	46·7	
8·5	25·7	10·1	9·0 a
9·7	35·2	41·1	
9·4	48·7	7·7	9·5 a
9·4	5 30·7	20·3	9·0 →
10·0	37·9	3·0	
9·9	45·7	54·8	
9·6	6 4·7	59·3	
7·9	7·2	26·1	7·7 GSbt
10·0	7 12·7	45·3	
8·8	30·7	35·9	9·0 –
10·0	50·9	0·0	
10·0	56·9	38·1	
9·2	8 50·8	31·3	8·8 =
8·8	55·3	50·4	9·1 Ga
9·5	9 2·8	8·0	
10·0	18·8	4·0	
9·5	20·8	34·8	9·5
10·0	27·3	35·1	
10·0	43·3	16·1	
10·0	10 1·8	22·4	
10·0	6·3	22·2	
10·0	22·8	8·3	
9·0	38·3	21·1	9·0
10·0	40·8	13·0	
9·4	11 4·3	43·0	
10·0	26·3	31·0	
8·3	51·8	0·9	9·0 Ga
8·3	12 4·8	7·5	8·0 Ga
10·0	13·8	25·0	
9·2	19·8	29·6	
10·0	31·8	47·8	
10·0	41·3	2·1	
9·7	13 10·3	13·9	
9·6	16·8	26·2	
9·7	20·8	46·6	
10·0	20·8	50·9	
9·4	44·8	54·6	9·0
9·0	14 18·8	47·0	9·0 Ga
10·0	20·8	51·8	
10·0	36·3	20·0	
9·1	39·8	5·8	
9·6	42·8	5·0	
8·8	46·3	36·7	9·5 a
10·0	58·8	7·4	
8·5	15 5·8	17·4	9·0 G
10·0	10·8	19·1	
9·4	39·7	0·9	
	+1 22·2	−8·0	

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4681—4740.

mag.	13h. m	s	—28° ′	
9·6	15	53·8	33·9	a
9·6	17	14·8	41·7	
10·0		45·3	53·6	
9·8‾	18	38·1	23·9	
10·0	19	20·5	26·1	
9·4		32·0	5·8	
9·6		39·5	55·8	
8·5	20	13·0	24·7	9·0 Ga
10·2		46·1	54·2	9·5
9·8	21	10·7	59·0	9·5
9·6		13·0	46·1	
9·0	22	34·5	26·6	–
8·4		55·0	17·8	9·0 =
9·4		58·5	32·3	
9·4	23	18·0	9·4	9·0 a
10·1		35·5	9·2	
10·2		43·1	16·0	
10·1	24	23·0	56·0	
10·1	25	1·5	4·5	
7·1		36·0	55·3	6·5 GSlπ
8·1		36·0	39·0	8·0 Ga
6·2		38·5	2·8	6·0 GSbt
9·6		56·5	33·9	
9·4	26	3·5	33·2	
8·5		10·5	39·2	a
8·6		15·0	19·6	9·0 Ga
10·2		32·4	1·6	
9·5		33·0	55·5	8·8 G
9·6		34·0	27·6	
9·6		44·5	31·9	
10·1	27	12·5	4·6	
9·6	28	0·0	6·9	
9·0		9·0	44·8	
10·2		17·1	48·1	
8·2		31·0	30·8	9·0 =
10·2		36·8	56·1	
7·9		41·0	44·2	=
8·4		45·5	27·6	9·0 =
9·2	29	6·6	3·9	
10·2		48·1	43·6	9·5
8·2	30	16·1	3·2	8·0 Ga
9·8		33·1	44·1	
10·1		56·1	24·2	
10·2	31	21·3	14·0	
6·8		41·1	55·3	6·3 GStπ
10·4†		42·3	53·0	9·5
9·6		47·6	27·0	
9·4	32	12·1	15·9	
9·6		17·1	28·2	
9·8		42·6	58·7	9·0
9·6		43·1	29·7	
9·6		44·1	21·6	
9·8	33	19·1	22·5	
9·6		39·6	21·0	9·5 –
9·8		50·1	14·9	
9·5		59·1	6·4	
10·2	34	16·4	48·0	
9·0		18·4	9·0	
9·2		22·4	28·4	
8·9		42·4	37·4	
25pr.	+1	23·6	–7·8	

4741—4800.

mag.	13h. m	s	—28° ′	
8·2	34	42·4	7·7	–
10·2		54·6	50·0	
8·8		54·9	19·0	
9·4	35	3·9	13·7	
9·2		16·4	29·5	
9·6		17·4	30·5	
9·2		20·9	33·6	
10·2		30·4	0·0	
9·0		43·4	2·6	9·5
9·2		55·4	19·1	9·0 =
9·5	36	7·4	47·6	
10·2		10·4	26·8	
10·3†		23·0	43·5	
10·4†		26·0	43·2	
9·4		51·4	5·0	
8·4		53·9	2·2	8·0 GWa
9·6	37	12·4	11·2	
10·2		28·4	9·1	
9·6		31·4	18·7	
8·9		50·4	17·8	9·0 a
8·8	38	14·8	23·2	9·0 a
10·2		31·8	54·3	
9·8		36·5	20·8	9·0
9·8		44·0	59·3	9·0 a
9·8‾	39	10·2	30·3	
9·9		18·2	9·1	
9·4		34·5	31·7	
9·4		44·7	11·8	
9·9		58·2	3·5	
9·9	40	9·4	34·0	
9·9		21·7	13·1	
9·9	41	1·8	42·9	
9·9		13·8	21·2	
9·9		15·3	44·5	
9·4		21·8	51·9	
9·0		34·8	7·3	
8·6	42	10·3	44·2	9·0
9·2		15·8	47·1	9·0
9·7		30·3	51·0	
8·4		36·8	49·4	8·5
8·2		44·2	1·1	–
9·8		50·8	10·1	
9·8		59·3	14·3	
6·4	43	1·8	27·4	6·5 GSb≥
9·2		3·8	51·9	8·5
9·1		11·3	10·0	
9·9		32·8	9·8	
8·8	44	19·8	30·3	
9·3		41·8	18·5	
9·9		42·3	6·1	
9·2		45·8	37·3	
9·9	45	56·8	22·9	
9·8	46	15·3	48·9	
9·9		18·8	58·9	
8·3		25·3	23·7	8·2 =
9·9		56·3	22·4	
7·5	47	10·8	7·6	7·2 GStπ
9·0		17·3	31·4	
9·6		32·8	32·8	
9·7		43·3	45·4	
	+1	24·5	–7·6	

4801—4860.

mag.	13h. m	s	—28° ′	
9·0	47	43·8	18·7	8·2 a
9·7		55·3	4·6	
9·4		58·3	28·2	
9·8	48	21·8	25·1	
9·8		51·3	55·3	
9·7	49	9·3	18·3	
9·7		19·3	36·3	
9·7		21·6	2·0	
9·6		46·8	3·6	
9·0	50	2·3	48·7	8·5 a
8·0		10·8	1·4	7·2 Ga
8·6		12·3	40·8	8·5
9·0		18·8	9·4	9·0 a
8·3		41·8	26·9	8·0 Ga
9·9	51	2·3	55·9	
9·8		29·8	18·4	
9·6		42·8	25·4	
9·4	52	5·3	0·8	9·0
9·6		9·3	30·4	
9·9		40·8	22·4	
9·6		50·3	17·2	
9·4	53	11·3	3·9	
9·0		15·3	39·1	10·0
9·1		40·8	50·0	8·5 a
9·8		44·3	36·6	
8·3		45·3	29·3	8·8 ≡
9·1		48·3	17·7	
9·4		49·8	26·7	
9·8		53·8	59·2	
9·4		54·3	20·7	
9·2		56·3	19·9	
9·7	54	4·3	31·6	
9·9		4·8	35·8	
8·8		27·8	47·7	9·0
9·6		41·3	52·2	9·5
9·4	55	10·3	41·3	
9·7		15·8	39·8	
8·4		36·8	47·7	9·0
9·6		50·3	16·7	
9·7		52·8	50·0	
9·9	56	17·3	46·7	
8·5		19·8	50·2	9·0
8·6		20·8	43·9	9·0
9·9		38·9	53·6	
9·9		39·3	40·9	
9·3		43·2	58·8	
9·1		50·8	18·0	
9·4		51·3	41·9	
9·9		54·3	2·5	
9·4		55·3	31·7	
9·3	57	4·8	25·8	
7·6		15·8	27·5	7·5 G=
9·3		36·3	55·9	9·0
8·4		40·8	31·7	8·2 G≡
9·9	58	0·8	44·7	
9·9		1·3	41·5	
8·8		32·3	14·9	
9·2		35·8	56·0	
9·4		37·3	54·5	
8·8	59	11·3	44·8	8·5 a
	+1	25·5	–7·3	

4861—4920.

mag.	13h.–14h. m	s	—28° ′	
9·6	59	33·3	53·9	
9·8		37·8	17·5	
9·1		48·8	35·2	9·0 =
9·1		51·3	6·8	
9·4	0	28·8	59·1	
9·1		32·3	25·7	8·5 =
9·4		53·1	3·3	
9·7	1	4·1	15·4	
9·8		21·1	29·0	
8·8		32·3	19·5	
9·9		32·3	7·9	
9·9		41·3	50·4	
8·8		49·3	56·8	9·0
9·6	2	1·3	19·6	
9·6		5·6	1·8	
9·9		21·1	4·3	
9·8		36·3	21·3	
9·4		39·3	50·9	9·0
9·9		40·1	30·8	
9·7		45·8	20·7	
9·6		47·3	2·1	
9·6‾		58·7	15·4	
9·2	3	17·0	32·3	–
9·4		31·0	30·8	
10·0		47·5	35·9	
9·0	4	18·5	30·4	
8·6		23·5	12·0	8·0 Ga
8·4		51·5	18·0	8·5 a
8·6	7	17·0	39·1	8·5 Ga
8·8		17·0	38·8	8·8 G
9·4		21·0	14·2	
6·9		47·8	41·7	6·5 GSct
9·0		51·3	44·9	8·5
9·0	8	55·3	20·0	9·5
8·5	9	5·3	22·1	9·0
9·2		11·3	8·3	
9·8		13·3	31·5	
9·8		14·8	52·8	
9·6	10	15·3	47·0	
10·0		15·8	57·5	
9·6		17·3	55·7	
9·2		22·3	30·9	9·5
8·6		23·3	53·3	9·0
9·2		34·8	28·1	9·5
9·0		37·3	31·1	8·5 =
10·0		51·3	20·5	
10·0		54·3	7·3	
10·0		56·8	39·3	
9·8	11	12·3	23·4	
8·2		23·3	45·3	–
10·0		48·3	32·9	
9·2		54·8	27·8	8·8
9·8	12	0·3	12·4	
8·0		1·3	28·6	8·5 G=
9·2		5·3	8·5	
9·6		20·3	23·8	
9·4		21·3	8·1	
9·8		46·8	53·5	9·5
10·0		50·3	37·6	
10·0		59·8	28·5	
	+1	26·3	–7·1	

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4921—4930.

mag.	14^h m s	−28° ′	
9·4	13 21·3	2·7	
10·0	22·5	2·5	
9·8	33·8	37·9	
9·0	14 1·3	51·8	9·0
10·0	12·3	4·4	
8·3	24·8	10·6	8·0 Gkb=
9·8	32·3	53·6	
10·0	55·8	28·4	
9·8	15 26·0	33·0	
9·4	32·5	53·9	9·5
8·4	54·5	28·1	8·5 Ga
9·2	56·5	29·9	9·0
9·2	16 29·5	17·9	
10·0	49·5	6·8	
9·6	59·0	33·5	
9·8	17 23·0	36·1	
9·0	32·5	21·1	a
9·2	44·0	28·2	
9·6	46·3	59·8	9·5
9·0	52·5	22·3	
9·0	18 8·1	30·1	9·0 a
7·4	10·0	19·5	7·5 GSat
9·8	29·0	1·6	
9·2	38·0	5·0	
9·8	39·5	6·8	
9·8	57·5	55·7	
9·6	19 3·0	31·7	
9·4	5·0	7·5	
9·2	30·0	30·1	
10·0	45·0	42·4	
9·4	49·0	41·7	8·8 a
10·0	20 7·0	44·9	
8·8	38·5	38·2	
5·2	51·5	55·7	5·0 GSπβ
9·2	21 2·5	13·1	
9·6	17·0	35·7	
9·4	41·0	47·4	
7·2	51·5	33·2	7·5 GSb≥
10·0	22 5·0	38·7	
9·4	6·5	5·5	
9·8	16·8	19·9	
9·2	32·3	44·9	
9·8	41·8	48·3	
10·0	47·8	22·4	
8·4	23 16·8	45·0	7·7 Gatπ
9·0	22·8	59·8	9·0
8·6	35·8	57·8	8·5 a
9·2	41·3	9·1	
9·0	24 9·3	48·7	a
10·0	11·8	0·0	
8·3	15·8	4·1	8·3 Ga
9·2	42·8	37·0	9·2 a
9·8	46·3	32·4	
9·0	51·8	41·4	9·0 a
8·8	25 24·0	45·9	9·2 a
9·9	29·7	53·4	
9·9	38·3	57·6	
9·1	42·7	51·9	9·0 a
8·6	26 1·7	29·8	
8·6	35·7	47·6	
25pr.	+1 27·2	−6·8	

4981—5040.

mag.	14^h m s	−28° ′	
9·0	27 13·2	35·8	
9·9	22·7	21·1	
8·6	50·7	47·8	9·0
9·9	58·7	45·8	
8·3	28 29·7	58·1	8·5 −
8·4	29 12·8	19·0	−
9·9	14·8	38·5	9·5
7·6	26·8	33·3	8·0 G≡
7·8	41·8	10·4	8·0 Ga
9·9	42·3	25·1	
8·8	30 10·8	49·2	9·0
9·0	31 39·3	10·8	9·5
8·4	32 23·3	4·7	8·6 a
9·9	28·3	54·5	
8·6	30·3	6·1	9·2
7·6	33 2·8	45·7	7·2 GSb
7·8	34 32·5	49·2	8·0 GSa
9·6	38·5	24·3	9·0 G
7·7	38·5	16·8	8·0 GSa
8·6	44·0	22·4	9·0 G−
7·8	49·5	19·6	8·7 a
9·3	51·5	51·3	
8·3	35 44·0	27·3	9·0 Ga
9·8	46·5	14·8	9·0
9·3	55·0	39·6	
9·2	36 2·0	33·1	
9·8	25·5	58·1	
9·4	40·5	16·0	
9·4	44·0	25·0	
8·8	52·0	32·0	9·0
9·9	59·5	13·0	
8·6	37 5·0	28·8	8·0 Ga
9·0	33·0	48·3	8·5 a
9·4	33·5	32·8	
9·4	42·0	59·4	9·8
9·1	38 21·0	39·9	9·0 Ga
9·9	29·0	5·0	
9·9	47·0	17·0	
9·7	39 32·0	52·7	
8·6	39·5	14·3	8·5 a
9·0	59·5	18·1	a
9·4	41 46·0	35·3	9·5
9·6	42 0·0	27·0	
9·1	3·0	20·6	8·8 G−
9·7	10·0	19·0	9·0
9·4	13·5	12·2	
9·3	29·5	49·4	
8·0	33·0	30·8	7·2 GSb≥
9·4	43 23·0	52·9	9·0 a
8·8	35·5	27·8	9·0
9·8	44 18·0	11·8	
8·3	45 24·0	23·8	−
9·6	27·0	52·9	
9·4	33·0	2·2	9·0
9·4	34·4	17·5	
9·9	47 7·3	55·9	
9·9	39·2	40·4	
9·4	42·8	22·3	10·0
9·5	49·8	25·6	
10·2	48 2·8	44·6	
	+1 28·3	−6·5	

5041—5100.

mag.	14^h–15^h m s	−28° ′	
10·2	48 16·8	14·4	
9·5	49 18·3	15·5	
9·5	27·8	47·6	9·0
6·6	46·8	38·9	6·5 GSka
10·0	50 0·3	42·9	
8·8	2·3	42·8	9·8 G
8·8	18·3	37·1	9·2 Ga
9·8	23·1	14·7	
9·6	27·1	43·4	9·2
9·2	27·1	3·8	9·0
8·8	31·1	13·6	a
7·8	51 5·1	12·2	8·2 Ga
9·4	16·8	58·2	
10·2	32·6	27·6	
9·8	52 33·1	44·0	
9·3	54 10·1	17·8	
9·3	55·1	32·5	
9·8	55 1·1	50·4	
8·4	13·1	30·6	8·8 Ga
8·5	23·1	7·4	8·5 Ga
9·5	29·1	19·6	9·5 a
10·2	34·1	29·6	
9·8	43·6	56·6	
8·2	57·1	33·2	8·5 Ga
10·2	56 11·1	31·6	
10·0	18·0	13·5	
9·5	19·1	44·2	
9·3	19·1	34·6	
10·0	58·6	47·0	
9·3	58·6	29·2	a
9·8	57 18·1	31·5	Ga
8·4	58 12·1	13·6	8·7 −
10·2	19·1	25·2	
10·2	23·1	8·2	
10·2	24·0	24·6	
10·2	44·1	12·8	
10·2	59 23·1	35·1	
10·2	36·1	2·5	
8·2	37·1	20·2	8·5 ≡
10·2	46·1	19·3	
8·6	0 11·6	24·1	8·5 −
8·2	36·1	43·2	8·2 G−
8·8	51·1	7·0	9·0 a
9·3	53·6	5·6	9·0 a
7·8	1 12·1	53·0	8·0 GWa
9·8	2 1·6	57·5	9·5
10·0	9·8	35·4	
10·2	24·3	55·1	a
10·2	26·8	40·8	
9·3	42·3	11·2	
9·3	3 33·3	54·8	a
10·2	37·3	20·7	
10·2	50·3	48·7	
10·0	5 40·8	17·3	8·5 −
9·4	55·3	46·5	
10·0	6 11·8	30·7	
10·2	18·2	33·6	
9·8	21·3	16·5	9·5
9·4	22·3	33·3	
10·0	31·2	22·0	
	+1 29·5	−6·0	

5101—5160.

mag.	15^h m s	−28° ′	
9·8	6 33·3	49·9	
10·2	42·3	15·9	
8·6	7 10·3	36·3	8·5 =
10·2	16·8	1·3	
9·6	33·3	7·5	9·5
9·9†	39·9	59·0	
9·3	9 18·2	8·7	9·0
10·2	53·3	8·6	
9·4	56·6	18·8	
9·5†	11 4·9	57·2	
8·8	22·6	45·8	8·5 a
8·4	46·6	30·9	8·2 Ga
9·4	12 16·6	17·1	
9·6†	13 11·9	57·2	
10·0	30·1	19·0	
9·2	59·6	13·8	9·0 =
9·6	14 54·6	50·1	
6·9	15 10·6	53·7	6·7 GSat
9·6	20·0	43·4	8·5 a
9·6	16 6·7	52·1	
10·0	52·6	19·7	
9·8	17 2·6	10·2	
9·2	3·6	47·4	
9·8	18 14·6	5·9	
9·2	28·2	59·4	8·5 a
9·0	33·6	15·0	
9·1	19 41·6	17·4	−
9·4	20 4·6	21·4	9·0 Ga
9·8†	6·9	59·3	
6·9	21 23·6	25·8	6·8 GSct
10·0	38·1	15·3	
8·3	52·6	24·7	8·5 a
10·0	22 34·6	57·6	
9·4	45·1	11·2	9·5
10·0	24 0·6	58·9	
9·0	23·6	19·8	9·0 G
9·7†	26 23·1	41·8	
9·6	27 4·1	28·7	−
10·0	10·4	16·5	9·0 G
9·7†	15·7	41·9	9·5
9·4	23·6	32·8	9·0
9·8	30·1	0·0	9·0
8·2	37·6	3·2	7·8 Ga
7·6	43·6	37·8	7·7 GSb≡
8·1	28 35·1	34·8	6·8 GSb≥
9·1	44·4	0·0	8·8
8·8	56·5	7·7	9·0
8·3	29 6·5	25·9	8·5 G
9·4	9·5	46·7	Ga
10·0	33·5	52·3	9·5
9·7†	36·0	58·3	a
10·0	44·8	59·7	
8·4	46·5	53·9	8·4 Ga
10·0	46·5	49·2	
10·0	30 32·5	52·9	
9·8	43·3	10·2	
9·4	31 12·7	3·7	
9·5	29·0	15·9	−
8·7	55·2	5·7	9·0 a
8·4	32 27·7	48·9	9·0
	+1 30·8	−5·3	

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5161—5220.

mag.	15h. m	s	—28° ′	
9·5	32	52·0	43·9	
9·0		56·2	55·1	8·8
9·2		56·2	40·1	8·0 —
9·4		56·5	16·1	
9·5	33	2·0	22·8	
9·5		9·0	38·0	
8·6		11·7	59·8	8·9
9·7†		42·0	48·7	9·0
9·1		46·0	26·4	
9·6†		46·5	46·3	
8·3		53·0	53·8	7·5 GSat
8·3		58·0	46·9	7·7 GSct
9·5	34	12·0	38·6	
9·2		30·2	1·6	
8·6		31·0	29·0	8·8
8·9		32·0	41·0	
8·9		43·0	11·2	
8·5	35	41·0	47·6	
8·7		56·0	10·3	
8·2		59·5	10·0	a
9·1	36	3·0	11·6	
9·5		4·5	24·8	
9·3		15·5	44·9	
8·7		30·0	25·9	9·0 —
9·1		34·5	7·2	
9·2		53·9	1·8	
9·2		56·0	30·9	9·0
9·3	37	9·0	40·9	
8·4		34·2	8·1	8·0 Gb
9·2		43·2	3·9	
9·3		43·2	15·0	
8·7		52·2	6·1	:
8·9		57·2	49·3	8·5
8·4	38	19·2	47·1	8·8 G
9·5		19·2	2·9	
9·5		23·4	43·9	9·5
9·5		45·2	55·1	9·5
9·4		54·7	47·6	9·5
9·5	39	1·0	58·7	
8·7		21·2	10·3	9·2
9·3		45·2	46·9	
8·5	40	0·7	55·3	8·7 a
9·0		36·2	15·1	
9·2		40·2	18·7	9·2 G
8·0		43·2	24·0	8·2 GSct
8·7	41	32·2	23·4	8·8 —
8·9		48·2	31·3	8·0 G—
8·9	42	2·7	31·2	8·0 G—
8·3		32·2	19·2	8·8 G=
9·0		42·2	51·3	
9·5	43	15·2	51·2	
9·4		19·7	44·2	
9·5		20·2	32·7	
8·9		32·2	51·8	
8·9		37·4	1·1	9·0
9·5		43·7	48·7	
8·7	44	9·2	21·7	9·0 —
9·0		36·7	5·2	
9·4	45	20·7	55·2	
9·5		39·6	24·9	
25pr.	+1	31·6	—4·9	

5221—5280.

mag.	15h.–16h. m	s	—28° ′	
8·3	45	45·7	36·6	9·0 a
8·6	46	52·2	46·8	9·0 a
8·9		54·2	28·0	
9·4		54·2	27·0	
9·0		56·2	48·8	
9·0	47	3·7	42·1	9·5
9·5		25·7	37·8	
8·5		49·2	49·2	8·2 Ga
9·5		50·7	5·3	
9·2	48	2·2	3·0	9·5
9·2		5·7	43·6	
9·4		14·7	35·6	
9·0		15·7	57·6	
9·0		25·7	30·6	9·0 —
8·9		46·7	22·1	9·5
9·1	49	7·7	55·2	
4·8		10·2	51·0	4·7 GSμβ
9·0		12·7	47·4	8·8
8·4		25·7	18·8	8·5 a
9·5		26·2	38·0	
9·5		30·7	16·9	
9·2	50	22·7	9·2	
9·4		29·2	12·4	
9·5		36·7	32·0	
9·3		42·2	9·0	
9·5	51	29·2	14·4	
8·4		51·7	37·8	a
9·4	52	0·2	44·0	
9·2		1·7	19·0	
9·4		3·2	18·6	
9·0	53	6·3	28·5	
9·0		27·7	14·2	
8·7		30·3	38·9	9·0
8·8		56·5	6·7	9·0
9·5	54	0·7	6·2	9·0
9·5		2·6	0·6	
8·3		11·0	1·3	9·0 a
8·7		16·0	9·8	9·0 —
9·4		17·3	37·9	—
9·0		36·8	30·8	
9·5		36·8	21·9	
9·2		44·1	51·3	
7·5		55·1	47·2	7·0 GSac
9·0		58·6	23·2	
9·5		59·8	12·9	
8·7	55	12·8	7·4	8·3 a
8·6		45·8	8·9	9·0 —
9·6†		52·5	47·6	9·5 G
8·4		59·8	3·0	9·0 a
8·4	56	46·3	35·1	8·0 GSct
9·6		51·4	4·7	
9·0	57	21·3	9·6	9·0 —
9·6		36·8	50·4	
8·4		53·3	13·9	8·5 =
9·6	58	23·3	39·6	8·5
9·6		34·6	1·6	9·0
9·6		51·4	43·8	
9·6	59	38·3	44·0	
8·4		40·8	31·6	9·0 a
9·6	0	21·7	46·7	
	+1	32·3	—4·4	

5281—5340.

mag.	16h. m	s	—28° ′	
9·2	0	43·3	33·8	9·0
9·0		43·8	5·6	9·5
8·2		44·8	38·0	8·2 Ga
8·7		55·3	31·0	9·0 G—
8·6		56·8	49·6	b
9·0	1	12·5	1·9	9·0
9·0		23·3	15·4	
9·6		25·8	23·6	
8·4		27·8	58·2	b
9·2		59·3	37·8	
9·6	2	12·6	58·3	
8·8		37·3	57·2	8·3 Ga
9·2		53·3	0·1	9·0 —
9·6	3	32·3	55·6	
9·5		52·5	21·0	
9·3	4	21·0	45·0	
8·1		32·5	40·4	a
6·6		33·0	5·3	GSπμβ
10·0†	5	1·8	40·6	
9·6		48·1	44·6	
7·6		53·0	44·0	7·5 GSac
9·2		57·0	33·1	
9·6	6	29·0	57·0	
9·2		43·0	54·6	
9·6		55·0	2·2	
9·4		57·5	43·6	9·5
8·7	8	2·5	41·6	a
8·8		28·0	55·7	9·0 a
9·0		33·5	25·5	
9·6	10	27·5	15·8	
5·5		33·0	17·9	5·5 GSπμ
9·5	11	55·6	27·5	
8·8	12	23·0	47·7	9·0
8·4		30·5	24·7	a
8·8		56·5	26·3	9·0 a
9·6	13	16·4	48·1	
9·6		36·5	26·8	
9·3	15	36·5	45·2	
10·2	16	14·2	53·1	
10·0	18	1·2	34·9	
9·4		56·7	45·6	
8·4	19	10·2	49·2	a
10·2	20	44·2	55·5	
9·3	21	10·2	46·0	
9·6		51·7	23·9	
9·0	22	2·2	47·3	9·5
9·3		21·2	17·2	
9·4	23	1·7	3·4	
9·4		39·2	16·4	
10·2		40·1	25·8	—
10·0		52·2	7·8	—
10·2		52·9	59·4	
9·6	24	5·7	47·6	
9·4		16·2	14·0	
9·4		22·2	50·6	
7·6		36·2	46·2	GSac
9·2		52·5	59·2	
9·6	25	3·2	46·7	
9·4		4·2	4·5	
9·6		23·2	26·4	
	+1	32·9	—3·8	

5341—5400.

mag.	16h. m	s	—28° ′	
10·2	25	30·2	51·0	
9·8		48·7	20·4	
9·9†	26	2·8	59·7	9·5
9·4		23·2	59·8	9·0 —
9·6		24·2	38·3	
10·2		33·2	10·0	
9·6		52·7	6·0	
9·4	27	5·2	5·8	
9·8		17·2	43·7	
9·6		22·7	0·5	
9·4		23·2	18·5	—
8·3	28	15·7	5·9	8·8 a
9·4		28·2	54·2	8·8 =
9·1		53·2	43·5	
9·4		56·7	52·0	9·0
9·8	29	13·2	31·0	
9·4		49·2	21·5	9·0 =
10·2	30	8·2	28·0	
8·7		41·7	40·2	9·2 W—
9·6		49·2	18·3	
9·3	31	14·2	32·0	
8·6		16·7	39·0	9·0 SWa
9·4		27·7	14·0	
10·0		36·2	35·2	
10·0		36·4	59·0	
7·9	32	21·2	41·3	7·2 GScl
9·3		26·2	38·6	10·0
10·2		35·7	17·8	
10·2		38·2	26·7	
10·2		43·7	25·0	
9·1	33	13·2	28·6	
10·2		13·2	48·6	
10·0		20·2	24·8	
9·8		23·2	25·0	
8·4		46·2	20·4	9·0 a
10·2		46·7	54·6	
10·2		48·2	47·0	
9·6		59·2	24·2	
7·9	34	16·2	52·7	8·0 GSac
8·6		16·7	36·0	9·5 —
9·4		17·2	15·8	—
9·6		52·2	41·4	
10·2	35	13·7	43·7	
10·2		14·7	27·5	
9·4		33·2	26·6	
8·2		37·7	4·3	8·0 Ga
10·2		48·7	43·6	
9·6	36	3·7	45·6	8·8
8·4		7·2	25·6	9·0 a
9·4		23·2	51·6	9·5
10·2		35·2	19·7	
9·2		40·7	46·7	
9·3		48·7	14·8	
10·2	37	4·7	51·6	
6·8		11·7	16·3	6·5 GSπμ
10·2		27·2	50·0	
8·4		38·2	51·0	=
7·2		44·2	36·3	7·5 GSct
9·6		52·2	53·0	
10·0		56·2	36·8	
	+1	33·7	—3·1	

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5401—5460.

mag.	16ʰ m	s	—28° ′	
8·3	38	3·0	58·5	8·0 Ga
8·8		11·2	37·0	
9·3		12·2	33·3	
9·0		25·2	56·2	9·2
9·0		42·2	17·7	
8·4		52·9	40·8	8·0 =
9·1	39	0·7	6·2	9·5
8·6		2·2	1·7	
10·2		3·3	53·0	
10·2		12·3	8·7	9·0
9·6		23·3	36·8	
9·0		25·8	3·2	
10·2		27·3	39·0	
9·6		42·8	24·6	
7·9	40	4·8	43·8	8·0 GWa
8·0		8·1	9·2	8·2 a
9·5		25·1	31·3	
9·1		26·3	31·3	
10·0		35·8	49·9	
9·4		43·0	11·9	9·5 a
8·6		56·3	56·0	—
10·2*	41	4·7	12·8	9·5 —
8·0		24·0	54·0	8·5 Ga
9·1		25·8	29·2	9·0
10·0		32·9	0·4	
9·8		53·3	46·5	
9·8†	42	3·6	48·3	
9·2		16·8	31·1	
9·4		21·8	30·5	
9·2		49·8	36·0	
8·4	43	17·3	48·5	9·0 G=
10·0		19·8	48·8	
10·0		29·3	20·3	
10·0†		30·0	59·7	
8·6		37·3	14·7	—
10·0		59·4	58·9	
9·4	44	3·3	10·9	
10·0		21·8	0·0	
9·3		23·8	23·5	
9·8		33·8	16·1	
8·8	45	11·8	2·1	8·5 a
9·3		16·8	26·0	
8·4		22·8	14·1	8·5 Ga
9·4		25·8	34·7	
8·6		47·8	11·6	10·0
9·8	46	0·8	52·3	
8·0		5·8	44·6	9·0 —
9·4		26·8	28·0	
9·6		31·8	26·7	
9·0		34·8	52·7	
9·0		39·8	21·1	a
9·6		46·3	3·1	
9·8	47	0·8	59·1	
9·8		3·3	12·5	
9·1		12·4	57·7	
10·0		14·8	29·9	
9·2		18·8	51·5	
9·4		25·3	50·9	9·0
9·0		44·8	7·5	8·8 —
9·4		46·3	6·5	8·8
25pr.	+1	33·9	—2·8	

5461—5520.

mag.	16ʰ m	s	—28° ′	
9·8	47	57·8	23·9	
8·5	48	0·8	48·0	9·0
10·0		5·8	41·6	
9·8		15·6	9·7	
9·4		20·6	31·2	
10·0		22·4	58·8	
9·5		32·1	32·4	—
10·0		32·5	49·9	
10·0	49	6·6	11·7	10·0
10·0		48·1	31·0	
9·4		56·1	4·9	
9·8		58·1	57·5	
9·0	50	2·1	30·5	9·0 —
9·6		6·1	8·4	
9·4		22·1	13·0	
10·0		37·1	41·9	
8·8		42·1	37·5	9·0 —
10·0		53·1	45·5	
9·8		53·1	36·0	
10·0		53·3	2·2	
8·4		57·1	16·1	9·0
9·0	51	3·1	58·0	9·5
8·5		12·1	22·0	8·5 —
9·8		14·6	43·6	
9·3		23·1	2·3	
8·4		27·1	16·0	8·5 —
9·3		33·1	40·0	
9·2		52·6	47·2	9·5
9·4	52	6·1	54·0	
9·6		14·1	10·0	
7·5		37·1	26·6	8·0 G≡
9·4		38·6	28·0	
9·8		52·1	25·8	
8·3	53	3·1	12·6	8·5
10·0		6·6	32·8	
8·3		12·1	21·8	8·0 G—
8·4		14·6	26·2	9·5
10·0		59·3	0·1	
9·3	54	17·6	37·5	
9·1		21·6	8·5	
9·3		24·6	22·3	
8·4		34·6	47·6	8·8 G—
10·0		44·7	20·8	
8·4		46·1	13·4	9·5 —
9·3		48·6	17·8	
9·8	55	4·1	6·9	
9·3		7·6	30·6	
9·3		9·3	0·9	
9·3		14·1	16·5	10·0
10·0		42·6	18·1	
9·2	56	3·6	16·1	
9·2		6·6	39·1	
7·8		8·6	4·6	8·0 Gb–l
9·8		13·6	16·1	
10·0		26·6	6·8	
10·0		35·6	5·6	
7·7		35·6	23·7	7·0 GSac
9·3		35·6	49·6	
10·0		44·4	1·9	
9·4		54·6	44·1	9·5 W
	+1	34·1	—2·4	

5521—5580.

mag.	16ʰ–17ʰ m	s	—28° ′	
10·0	57	13·9	58·0	
9·0		23·6	3·5	
9·4		44·6	15·9	
9·0		47·6	38·3	
9·4		47·6	13·5	
10·0		53·6	39·5	
9·8	58	2·6	26·9	
8·6		3·6	6·9	
7·7		3·6	41·9	7·5 GScl
9·0		35·6	49·2	8·8 a
10·0		36·6	36·6	
10·0		36·9	57·0	
8·5		39·1	24·9	
10·0		49·1	5·5	G
9·8		54·6	54·3	
9·8		58·1	25·9	
9·6	59	31·1	49·5	
8·6		34·6	38·5	9·5 —
8·3		56·6	24·7	9·0 —
9·1	0	11·0	39·9	
8·4		33·5	44·1	a
9·2		34·5	48·0	
9·0		58·0	3·1	8·5 G—
10·4	1	17·0	20·0	
10·4		23·4	19·1	
9·4	2	10·2	16·9	
10·4		17·4	2·9	
9·8		41·4	10·0	
8·6		44·9	53·8	10·0
9·4		45·2	18·3	
9·8	3	20·9	28·2	9·5
10·4		23·9	48·7	
10·4		24·4	43·9	
9·2		29·4	40·4	
10·4		45·5	56·8	
10·4		47·9	39·8	
10·2		53·4	9·5	
9·6		59·9	18·9	
9·6	4	17·9	11·0	
9·5		45·4	56·2	9·5
10·0		57·4	7·0	
9·4	5	4·9	47·5	
9·2		6·4	52·3	9·5 G
10·1		12·4	10·0	
9·0		23·6	58·3	10·0
9·6		27·9	35·9	
10·4		35·9	2·6	
9·2		39·9	19·1	
9·6		40·9	58·2	
10·4		49·6	1·4	
9·5		53·4	30·4	
9·8		58·9	20·3	
9·5	6	0·9	5·3	
9·2		23·9	33·4	
10·4		26·4	48·2	
9·5		31·7	59·9	
9·0		43·9	15·5	9·0 a
9·0		51·4	46·5	9·5 —
10·2	7	3·4	28·4	
10·4		4·9	24·1	
	+1	34·4	—2·1	

5581—5640.

mag.	17ʰ m	s	—28° ′	
10·4	7	7·9	36·3	
9·6		30·9	29·9	
10·2		58·9	40·3	
8·8	8	3·4	48·7	9·5
10·2		5·4	21·9	
9·8		12·9	35·1	
10·4		23·9	29·1	
10·4		40·4	44·3	
9·0		42·9	11·3	
10·4		48·6	0·7	
10·4		54·0	34·8	
9·6		55·4	13·9	
10·4		57·9	35·2	
10·4	9	10·9	56·0	
8·8		12·9	32·0	10·0
10·4		18·0	16·6	
10·4		20·0	17·2	
9·6		27·9	28·1	
10·4		38·9	20·1	
8·7		47·9	47·8	9·0 =
9·6	10	3·4	39·1	
8·5		20·2	58·3	10·0 —
10·0		22·9	17·3	
10·4		23·9	16·1	
10·4		32·9	18·3	
10·4	11	7·9	3·5	
9·6		12·9	53·7	
10·4		19·9	43·5	
10·4		30·9	7·9	
8·8		32·9	22·5	—
10·4		33·9	48·5	
10·4		48·4	27·1	
10·4		56·4	16·7	
10·0		59·6	18·9	
10·4	12	2·8	1·1	
10·4		3·8	1·5	
10·2		4·1	52·4	
9·1		10·1	28·2	
10·4		14·1	43·4	
10·0		16·6	35·3	
10·0		39·6	28·5	
10·2	13	27·1	30·6	
10·1		31·1	15·4	
10·4	14	35·6	22·2	
10·4		40·0	44·4	
7·6	15	29·7	1·2	6·0 GSμβ
10·4		33·6	13·8	
9·8	16	12·6	8·9	
10·0		23·1	58·5	
8·0		29·6	31·9	8·5 GSac
9·5		36·1	57·9	
9·0		45·1	15·1	9·5
9·5		56·1	38·9	
9·0	17	12·1	48·9	9·0 a
10·4		14·1	12·6	
9·0		15·6	50·1	
9·0		57·1	32·1	9·0 Wa
10·2	18	10·6	20·0	
8·2		13·6	25·5	8·5 Gal
10·0		21·6	52·0	
	+1	34·5	—1·7	

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5641—5700.

mag.	17h. m	s	−28° ′	
7·9	18	22·6	18·1	7·5 GScl
9·6		35·1	33·9	
10·4		37·0	9·9	
10·4		47·6	59·6	
9·5		52·6	15·3	
8·8	19	6·1	40·9	
7·6		22·1	39·5	8·0 GScl
9·2		26·6	7·9	
10·0		27·1	54·1	
10·0		32·1	32·4	
9·2		44·6	10·6	
8·6		47·6	4·2	8·8 b
7·8		53·1	14·9	8·5 G
10·4		53·4	18·4	
9·4		57·6	3·6	8·8 b
9·8	20	22·1	43·2	
10·0		24·1	2·2	
10·1		24·1	30·6	
8·4		31·8	57·1	8·0 Ga
10·4		32·6	46·0	
10·4		35·6	34·6	
10·2		38·6	49·9	
10·1		41·6	18·8	
10·4		44·1	31·4	
10·4		44·6	48·6	
10·2		47·1	29·9	
9·6		51·6	17·2	
8·4	21	3·4	44·3	9·5
8·6		16·4	51·9	9·2 b
10·4		32·4	44·4	
10·4		42·9	3·1	
8·4		48·4	31·7	–
8·8		56·9	35·9	
10·0	22	8·4	10·9	9·5
10·4		13·4	40·0	
9·8		21·4	4·3	9·5
10·0		25·9	30·5	
10·4		31·4	55·7	
9·6		36·4	49·9	
10·4		41·9	51·0	
10·0		43·9	27·5	
10·1		54·4	23·5	
8·8		58·7	56·8	9·5 –
8·8	23	3·4	18·9	
9·5		9·9	4·8	
10·4		14·4	46·0	
10·4		32·9	21·8	
9·5		38·4	48·0	
10·2		39·4	26·5	
10·2†		46·5	59·8	
10·4		50·9	45·1	
10·0		50·9	56·1	
9·8		57·4	56·4	
8·8	24	4·1	1·3	9·2 Ga
8·9		10·2	44·2	9·0 a
10·2		14·2	1·2	9·2 G–
10·2		22·4	41·5	
9·6		49·2	52·4	
10·2	25	8·9	57·0	
10·2		10·4	53·7	
25pr.	+1	34·7	−1·4	

5701—5760.

mag.	17h. m	s	−28° ′	
9·5	25	11·4	20·8	
9·7		24·7	56·5	
10·2		33·4	15·4	
10·0		41·4	49·6	
9·9		43·4	29·0	
10·2		46·4	22·0	
9·7	26	27·9	36·5	
9·5		39·4	11·9	
10·2		44·9	23·6	
10·0	27	8·5	25·4	
9·8		13·4	33·4	
8·8		17·4	6·9	9·2 a
9·9		52·4	5·5	
10·2		53·9	51·4	9·5
9·7	28	6·9	52·5	
9·0		23·4	29·3	9·5
8·6		43·4	54·7	9·5 a
9·2		53·4	5·9	
9·4	29	9·1	57·4	
9·8		17·4	47·1	
9·7		24·4	24·5	
9·8		24·4	35·8	
9·4		37·4	9·9	9·2
10·2		46·9	39·6	
8·6		47·4	33·9	a
7·9		50·9	21·4	8·0 GScl
10·2		51·4	37·1	
10·2		59·9	52·7	
9·1	30	3·4	4·5	9·0
9·8		13·4	50·7	
10·1		15·9	0·8	
10·2		19·4	50·7	
10·2		26·4	26·6	
9·0		28·9	11·9	
10·2		29·4	49·5	
9·8		37·4	55·4	
10·1		38·4	31·6	
9·8		47·4	52·1	
9·8		56·9	41·7	
9·7	31	3·4	44·6	
8·2		7·4	20·1	7·0 GScl
9·7		8·4	45·8	
10·0		12·9	51·8	
9·1		27·4	19·0	10·0
10·2		27·4	1·3	
9·5		27·4	15·2	
9·3		35·9	25·5	
9·3		44·9	46·8	
9·6		51·4	9·8	
9·8	32	3·4	50·0	
9·4		18·4	21·4	
7·6		27·4	51·1	7·5 GScl
10·1		38·4	50·6	
10·1		39·9	50·5	10·0
9·9		46·4	0·4	
10·2		58·4	14·8	
8·8	33	7·5	0·3	9·5 a
9·5		8·5	40·0	
10·1		11·5	10·9	
10·0		24·5	15·8	
	+1	34·8	−1·1	

5761—5820.

mag.	17h. m	s	−28° ′	
8·9	33	29·5	38·0	
9·8		35·0	28·3	
10·1		44·5	31·1	
9·6		47·0	9·0	
10·2		49·9	0·8	
10·1		55·0	7·8	
10·2	34	1·6	53·8	
10·0		10·5	38·5	
10·2		15·0	21·6	
8·8		34·5	40·9	
9·6		35·0	40·2	
9·8		35·5	53·4	
9·1		38·5	14·9	a
10·2		39·5	17·0	
10·0		40·6	41·9	
9·8		45·5	9·0	
9·9		46·5	52·7	
9·8		51·0	21·9	
10·2		53·0	3·8	
9·1		58·0	10·2	10·0
9·1		59·5	23·2	
10·2	35	2·6	34·7	
9·8		3·5	22·5	
10·2		17·0	0·8	
10·2		22·5	24·9	
9·6		22·5	0·9	W
9·6		24·5	24·3	
9·8		24·6	36·8	
10·2		25·5	13·5	
10·1		28·0	40·8	
9·8		30·0	9·4	
9·3		31·5	43·2	
10·2		33·5	4·7	
9·7		34·5	54·7	
10·0		36·5	43·6	
9·0		37·5	17·6	
9·8		38·5	14·3	
9·6		39·5	3·7	
9·8		43·5	18·6	
10·1		47·5	35·0	
9·9		48·5	22·8	
9·8		52·5	14·0	
9·8		58·5	58·1	
10·0	36	0·0	38·6	
9·4		0·5	10·8	
10·2		5·0	37·2	
10·1		17·5	45·2	
10·0		23·5	5·8	
10·1		27·0	13·8	
10·1		27·5	17·8	
10·2		38·5	7·5	10·0
8·5		43·5	7·1	9·0 GWb
10·2		52·5	45·8	
9·5		53·5	2·0	
10·0		58·2	2·1	
9·5	37	3·5	11·0	9·5
10·0		5·0	38·8	
9·7		17·5	16·0	9·5
8·7		19·0	9·3	9·5
9·5		19·5	24·2	
	+1	34·9	−0·9	

5821—5880.

mag.	17h. m	s	−28° ′	
8·8	37	26·5	21·9	
8·3		27·5	26·2	9·0
10·0		29·0	53·0	
9·2		35·5	43·8	
8·4		38·0	0·6	Wb
9·1		39·5	14·8	
8·4		43·5	21·0	8·5 G=
9·5		44·5	0·6	
10·2		59·5	54·4	
10·2	38	3·0	51·1	
9·2		4·5	37·2	
9·7		4·5	44·5	
9·8		5·5	25·7	
9·0		5·7	2·1	
10·2		7·5	53·5	
9·2		15·5	28·0	
9·8		17·5	33·6	
9·6		25·5	55·4	
9·1		43·5	50·7	
9·7		45·5	8·0	9·0 G
10·2		46·0	52·8	
9·9		57·5	48·8	
9·1	39	12·5	6·0	9·2
9·8		15·5	41·1	G
9·1		15·5	39·6	G
10·2		17·5	58·2	
10·0		22·5	50·8	
10·2		24·5	31·0	
9·8		34·5	54·7	
9·0		43·0	30·0	
8·8		46·0	24·9	Ga
10·0		57·0	21·6	G
9·5		58·5	34·6	G
10·2	40	3·5	0·4	
9·5		8·5	22·0	G
8·8		17·0	42·8	9·0 b
10·0		22·5	9·8	
10·2		27·5	39·7	
9·8		28·5	13·2	
10·2		30·2	46·0	
10·0		32·0	38·8	
10·1		37·0	59·9	
10·2		38·0	50·8	
9·9		43·0	44·7	
9·6		47·0	37·5	9·0
9·7		48·5	55·2	
10·1		53·5	13·5	
10·2		53·5	13·6	
8·9		57·5	12·0	8·5 =
9·6		57·8	56·8	
9·9		59·5	51·2	9·5
9·6	41	3·0	56·4	
9·8		14·5	51·2	
10·2		15·5	27·8	
9·7		26·5	54·4	
10·2		29·0	6·4	
10·2		29·5	46·6	
10·2		34·5	11·0	
9·4		45·5	4·4	
9·5		46·5	27·6	9·5
	+1	34·9	−0·7	

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5881—5940.

mag.	17h. m s	—28° '	
9·8	41 49·5	44·2	
8·8	51·5	21·7	9·5 –
8·8	51·5	10·0	
9·9	55·0	43·2	
10·2	56·0	2·4	
10·0	57·5	12·4	
10·1	58·7	21·9	
9·0	42 3·5	19·3	
8·8	4·5	44·5	
9·8	7·5	5·3	9·5
10·2	11·5	14·1	
9·7	14·5	28·2	
10·2	15·5	48·0	
9·7	23·5	26·8	
10·0	25·0	12·9	
10·2	33·5	23·0	
10·1	35·5	14·3	
10·2	36·5	23·1	
9·3	39·0	28·0	
9·3	47·5	17·3	
10·0	50·0	32·0	
10·0	54·5	22·7	
10·2	43 0·5	48·4	
10·1	3·5	42·9	
9·8	6·0	37·9	10·0
9·9	6·5	32·5	
9·0	8·0	37·1	8·5 W–
10·2	9·0	40·9	
10·1	12·5	35·2	
10·1	16·0	35·3	
10·1	18·0	30·9	
9·5	23·5	51·5	
9·4	23·5	26·9	
10·2	32·5	20·9	
9·8	33·0	53·2	
10·2	34·5	37·8	
10·2	38·0	40·4	
10·1	39·5	18·7	
10·2	42·5	21·6	
10·1	42·5	36·6	
9·3	45·5	49·0	
9·5	48·0	44·5	
10·0	49·5	3·8	
9·5	50·5	28·8	
10·2	54·5	10·9	
10·2	55·0	26·5	
9·6	57·5	44·8	
8·0	57·5	35·0	8·5 W=
10·2	44 3·5	6·1	
9·9	4·5	25·5	
9·9	4·5	45·8	
9·8	4·5	19·9	
9·3	6·5	30·7	
10·0	6·5	8·5	9·5
9·7	7·5	43·2	
9·8	8·5	45·8	
9·6	13·2	20·2	
9·3	16·2	24·9	8·5 G=
10·1	17·7	4·7	
9·2	17·7	11·2	
25pr.	+1 34·9	—0·6	

5941—6000.

mag.	17h. m s	—28° '	
8·8	44 18·2	44·1	
8·5	19·2	26·5	8·5 G=
10·2	19·3	14·7	
10·2	19·7	51·3	
9·5	23·2	13·6	
9·2	23·2	50·9	9·0
10·1	24·7	48·4	
9·5	24·7	55·8	
10·2	32·7	38·4	
10·2	38·2	7·2	
10·1	42·3	56·5	
10·1	42·3	46·8	
10·2	44·3	10·6	
10·0	49·2	34·5	
9·6	54·2	14·8	
10·2	45 3·7	24·0	
9·6	5·8	1·7	
10·1	8·2	55·9	
10·1	8·3	31·6	
9·5	8·7	42·5	
8·5	8·7	49·9	
9·2	11·2	13·9	
9·8	13·2	4·9	
9·5	14·2	50·1	
10·1	14·2	29·6	
9·8	14·7	55·6	
10·1	15·7	35·3	
10·1	19·7	54·7	
10·2	26·2	30·5	
9·4	27·2	31·9	
8·3	27·7	1·5	9·0 GWb–
9·6	33·7	8·9	
10·0	37·2	15·2	
8·6	44·7	49·3	9·0 a
10·1	45·7	15·7	
8·8	45·9	58·9	9·0 a
9·5	47·2	38·7	:
10·2	47·7	33·8	
9·7	49·7	45·8	
10·1	51·2	45·7	
8·6	53·2	39·4	8·5 GWb
10·1	53·7	52·2	
9·8	53·7	3·3	
10·1	54·3	26·7	
9·7	55·7	19·8	
9·7	56·5	17·8	
10·2	57·5	39·1	
9·5	46 1·5	24·0	
10·0	3·5	39·4	
10·2	4·7	30·2	
10·1	5·0	8·8	
9·3	6·0	16·4	
9·5	9·0	34·7	
9·3	9·5	59·7	
10·2	13·7	28·5	
10·2	17·0	37·5	
9·3	21·5	24·7	
10·2	22·5	7·2	
10·2	24·1	9·7	
9·2	30·4	59·7	9·5
	+1 34·9	—0·5	

6001—6060.

mag.	17h. m s	—28° '	
10·0	46 35·4	42·2	
9·7	40·5	32·8	
9·3	41·0	6·4	10·0
9·7	42·0	57·0	
10·2	44·5	31·6	
10·1	52·5	19·5	
9·7	54·2	7·1	10·0
10·2	55·5	37·7	
9·1	59·4	42·3	
9·5	59·5	13·1	
8·9	47 3·5	43·7	W
10·0	8·5	11·0	
10·2	10·0	54·0	
10·2	17·5	9·7	
9·6	19·5	20·6	
10·2	20·7	5·1	
8·9	26·0	19·2	
9·1	26·5	32·8	
10·2	27·4	1·8	
10·0	27·4	45·9	
9·5	28·0	56·3	
10·3	29·8	14·6	
10·4	31·5	7·4	
10·4	34·3	15·7	
10·4	35·8	18·7	
10·3	39·3	25·4	
9·2	41·3	9·5	9·5
10·4	42·3	42·4	
9·2	50·3	3·3	10·0
9·8	48 1·3	10·5	
9·5	1·8	34·5	
10·3	3·3	44·2	
8·8	5·8	41·8	
9·8	9·3	7·0	
9·6	14·3	42·9	
10·4	17·4	40·4	
8·9	27·8	59·9	
9·3	36·3	3·8	
9·2	40·3	23·0	
10·3	40·8	44·7	
9·4	45·3	17·9	
10·2	45·8	50·9	
6·8	48·3	2·5	6·0 GScl
9·5	51·3	8·7	
8·6	49 5·8	6·5	9·5
9·3	7·8	15·2	
9·8	9·3	3·5	
10·4	11·8	45·3	
10·0	14·3	22·1	
9·6	16·8	0·4	
10·4	20·8	34·8	
9·0	27·3	9·9	9·8
10·4	30·8	3·1	
8·8	32·3	14·0	9·5 G
9·0	35·8	26·3	
10·4	36·3	30·1	
9·2	42·3	9·7	
10·0	46·8	14·2	
10·0	47·3	20·5	
9·4	48·8	32·9	–
	+1 34·9	—0·4	

6061—6120.

mag.	17h. m s	—28° '	
9·4	49 53·3	40·2	
8·1	55·3	37·1	–
10·4	55·3	32·9	
9·8	59·8	46·9	
10·2	50 3·3	34·1	
9·8	11·3	17·8	
10·0	11·3	35·7	
9·2	11·8	44·2	
8·1	15·3	8·6	9·2 W–
8·0	15·8	7·4	8·8 W=
9·8	16·3	6·4	
10·4	18·3	32·6	
10·0	21·3	29·1	
9·6	22·8	4·5	9·5 G
9·2	23·3	28·1	
9·0	25·8	56·1	
10·4	32·6	56·8	
10·3	32·8	20·5	
10·3	36·7	20·9	
10·4	38·2	17·5	
8·6	41·7	2·1	9·2
9·5	42·2	9·5	
6·5	43·2	44·5	GS≥cl
9·9	48·7	7·5	
10·4	51·7	33·3	
10·2	56·2	55·9	
8·7	51 1·7	53·1	8·5 =
9·9	2·2	48·3	
8·8	2·7	4·1	9·5 b
9·8	6·7	51·1	
10·4	8·2	54·2	
8·9	8·7	45·1	
9·6	13·7	17·6	
10·3	15·7	49·1	
9·6	16·7	40·9	
9·3	18·2	22·9	
9·8	20·4	59·3	
10·4	22·7	15·5	
9·0	23·2	39·2	
10·2†	25·0	47·5	
10·4	34·7	29·0	
10·3	35·2	10·1	
10·4	39·7	17·6	
9·0	43·2	41·5	
9·8	45·7	22·3	
9·4	47·7	8·9	
10·0	48·2	14·7	
10·3	51·2	48·9	
10·3	52·2	14·7	
9·4	52·7	37·9	
9·2	54·2	0·8	
10·0	54·2	57·8	
10·4	55·8	46·9	
9·0	58·2	10·1	10·0
10·3	58·2	9·7	
9·4	52 0·2	7·5	
10·4	0·8	47·6	
10·2	2·4	0·8	
10·4†	5·0	45·6	
10·4	12·7	48·2	
	+1 34·9	—0·3	

6121—6180.

mag.	17^h m s	—28° ′	
10·4	52 16·2	41·6	
10·4	17·2	39·7	
9·6	21·7	31·1	
9·4	21·9	59·2	
10·0	22·2	35·9	
10·0	23·4	0·4	
8·6	24·7	36·6	9·5
9·4	24·7	3·9	
9·8	26·7	44·5	
10·4	28·7	55·2	
10·4	35·2	43·2	
9·4	35·7	37·1	
10·2	38·7	55·0	
10·0	39·2	36·7	9·5
9·6	43·7	1·5	
9·8	45·7	10·0	
9·9	47·2	53·3	
8·2	47·7	42·1	9·0 GW≡
10·2	48·3	21·3	
10·4	51·7	40·1	
10·4	52·3	34·0	
10·0	52·9	32·7	
10·4	55·3	45·9	
9·4	57·7	42·5	
9·4	58·2	43·2	
10·4	53 0·2	42·7	
10·0	1·9	52·7	
10·2	2·4	1·1	
8·6	2·7	35·2	10·0
10·4	3·2	25·6	
9·6	5·7	43·9	
10·4	7·7	1·0	
10·4	11·7	45·5	
10·4	12·2	49·9	
9·3	14·7	39·8	
9·3	16·2	45·3	9·5
9·0	18·7	31·0	
9·0	19·7	59·2	
8·9	32·7	31·3	
9·2	32·7	42·9	9·5
8·9	33·2	46·7	9·5 —
10·4†	36·3	59·9	
9·2	42·2	6·5	
10·4	43·2	26·1	
10·4	45·7	55·9	
9·4	55·2	4·9	
10·4	59·7	6·5	
9·9	54 5·7	37·1	
10·3	12·2	51·2	
8·4	12·7	23·0	>
9·8	12·7	53·9	
9·5	15·7	0·0	
10·0	16·2	21·1	
9·3	30·7	46·9	
9·5	32·7	12·9	
9·0	33·2	5·7	
10·0	35·2	44·6	
8·8	36·7	35·0	
10·4	38·2	51·7	
10·4	41·9	26·9	
25pr.	+1 34·9	—0·3	

6181—6240.

mag.	17^h m s	—28° ′	
10·3	54 45·7	26·9	
9·4	49·7	24·3	
9·5	52·2	0·9	
10·4†	52·6	57·8	
9·8	55·7	55·5	
10·4	57·2	45·5	
10·4	59·2	0·9	
9·8	55 2·1	1·9	
9·2	2·7	3·4	
10·4	4·7	32·1	
9·4	5·7	47·9	
10·3	9·2	42·5	
9·3	11·7	53·3	
9·5	12·0	33·4	
9·5	12·5	3·6	
10·4	12·9	53·8	
9·4	15·5	50·8	
10·3	15·5	50·4	
9·4	17·3	57·8	
10·4	18·7	58·4	
9·6	22·0	5·7	
10·4	26·0	28·9	
9·8	26·5	9·2	
9·2	33·0	14·5	
9·6	43·0	4·9	
10·4†	46·6	58·6	
10·2	50·0	24·5	
8·0	51·5	44·0	8·5 ≥
10·4	51·5	54·0	
9·4	52·0	31·7	
9·4	52·0	44·6	
10·4	53·0	40·6	
9·4	53·5	44·2	
10·3	55·5	5·0	
10·4	56·8	2·2	
9·9	56 0·0	18·9	
10·4	2·0	57·3	
10·4	2·7	48·2	
10·4	5·0	53·2	
10·4	7·0	52·1	
10·4	11·0	17·0	
10·4	11·0	3·8	
10·4	15·0	14·7	
10·4	16·0	34·8	
10·3	17·0	2·1	
10·0	18·0	1·9	
9·5	19·0	46·2	
10·4	21·9	59·0	
8·4	25·0	25·8	9·0
10·4	27·2	42·2	
10·4	29·0	40·7	
10·2	30·5	42·4	
8·8	35·5	9·1	
10·4	39·6	58·6	
10·2	40·4	49·5	
9·3	40·5	18·4	
10·4	41·4	47·2	
9·5	44·9	58·8	
10·2	44·9	22·3	
9·4	45·4	11·0	
	+1 35·0	—0·1	

6241—6300.

mag.	17^h m s	—28° ′	
10·0	56 49·4	1·2	
10·4	50·4	3·0	
9·2	52·9	34·0	
8·6	55·4	32·3	10·0
9·6	56·9	31·2	
10·2	57 0·4	25·8	
9·3	1·9	6·6	
9·2	2·6	56·7	
9·4	6·4	6·1	
9·0	7·9	0·8	
9·2	8·9	30·0	
9·8	9·2	1·6	
10·0	15·4	37·3	
8·4	20·9	41·2	9·5
8·8	27·4	49·1	
10·4	29·4	37·8	
10·4	29·4	47·6	
10·3	31·9	48·1	
9·4	38·4	23·0	
9·8	39·4	34·4	
9·6	40·4	14·6	
10·0†	42·9	48·4	
8·8	43·9	33·5	
9·8	48·9	47·2	9·5
10·3	51·2	0·1	
9·8	51·9	21·2	
10·2	58 1·4	17·8	
10·0	4·4	22·8	
10·4	12·9	5·6	
10·2	16·4	26·6	
10·2	21·5	9·0	
9·8	27·9	41·3	
8·4	32·4	34·2	9·5
8·2	40·9	32·3	8·5 Ga
10·4	42·9	6·2	
10·4	45·9	28·1	
7·4	51·4	22·3	7·5 GSlπ
9·5	55·4	38·5	
10·0	59 3·9	17·2	
10·0	4·9	12·5	
9·5	5·4	0·5	
10·3	9·9	25·6	
10·4	16·1	46·7	
9·5	16·9	6·2	
9·9	20·4	57·9	
9·8	25·4	10·5	
9·8	25·6	59·3	
9·6	28·4	44·3	
10·0	30·4	34·9	
9·9	34·9	52·4	
10·4	37·9	59·1	
10·4	38·9	4·8	
9·8	40·4	0·1	
10·4	40·9	9·2	
10·3	47·4	15·4	
10·4	49·4	2·5	
10·3	50·4	24·8	
10·4	50·5	37·9	
10·3	55·9	31·0	
10·4	56·4	6·0	
	+1 35·0	—0·1	

6301—6360.

mag.	17^h–18^h m s	—28° ′	
10·4	59 58·4	6·2	
9·6	59·4	31·8	
10·4	0 2·9	42·0	
6·4	10·4	28·0	5·0 GSπμ
10·2	12·4	28·6	
10·0	21·3	54·0	
9·5	21·4	37·0	
10·4	25·4	55·0	
9·6	28·4	54·3	
10·3	34·9	45·4	
9·0	39·4	13·8	
10·0	52·9	32·9	
10·4	55·4	0·5	
7·8	55·9	46·1	8·0 Gam
10·2	59·4	37·2	
10·4	59·9	3·4	
10·4	1 1·9	1·7	
9·4	8·9	13·9	
10·3	20·4	57·2	
9·4	21·9	38·3	
10·2	23·4	21·2	
10·0	24·4	27·3	
9·9	25·4	21·5	
9·8	32·2	1·8	
10·4	35·4	41·8	
9·5	35·4	7·0	
8·8	37·4	52·3	9·0 —
9·2	37·9	25·9	
9·6	43·4	39·1	
10·3	44·9	9·7	
9·8	46·4	8·7	
10·0	51·4	23·9	
10·2	53·4	23·1	
10·4	53·9	10·1	
9·8	54·9	46·3	
9·5	57·4	44·2	
10·4	2 3·4	40·2	
9·8	4·4	6·4	
9·6	7·9	52·5	
10·0	12·9	8·6	
10·4	14·9	8·2	
9·8	15·4	21·3	
10·4	20·9	20·9	
10·4†	25·4	57·4	
9·4	26·4	7·4	
8·7	26·9	27·0	
10·4	29·9	52·6	
9·6	33·4	8·6	
10·2	35·9	6·5	
8·2	38·9	10·4	8·5 am
10·0	45·2	57·1	
9·6	51·4	7·9	
9·9	51·4	57·0	
9·6	3 1·4	50·1	
10·4	1·9	13·8	
9·3	2·2	47·6	
8·8	2·4	5·6	9·0 am
10·4	2·4	56·0	
8·3	5·2	20·7	9·0 G—
9·8	10·2	26·2	
	+1 35·0	+0·1	

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6361—6420.

mag.	18h. m s	—28° '	
9.6	3 11.2	14.6	
9.8	15.2	49.8	
9.6	21.7	27.1	
9.8	23.2	33.2	
9.8	26.2	37.7	
9.8	28.2	36.8	
9.0	31.7	27.9	9.5
10.0	32.2	34.0	
10.0	35.7	19.5	
10.4	42.3	6.0	
10.0	46.7	11.8	
8.4	51.2	3.3	8.0 Gbm
10.4	56.2	27.4	
6.6	4 1.7	55.5	7.5 GScl
10.3	2.2	51.8	
10.4	3.2	21.1	
10.4	7.2	17.7	
10.4	7.2	16.5	
9.0	10.2	37.9	
9.3	11.2	15.4	
9.8	11.6	57.1	
10.0	20.7	35.9	
9.6	26.2	6.6	
9.6	35.7	17.4	
9.0	37.3	15.5	9.0 Wamc
10.3	42.2	44.4	
8.0	43.2	15.7	7.5 GSal
10.0	47.2	41.6	
9.8	47.2	18.0	
9.9	48.2	37.0	
8.7	48.6	59.3	9.5
10.0	51.2	43.2	
10.2	55.2	2.4	
8.8	5 0.2	18.3	10.0
8.7	5.2	20.6	9.5 –
10.2†	9.0	39.7	
10.2	9.3	53.1	
9.3	11.2	14.9	9.5
10.4	11.4	46.0	
9.6	14.7	46.8	:
9.8	16.2	14.7	
9.5	16.6	52.9	
9.8	20.6	28.2	
9.9	21.6	16.7	
10.4	25.1	23.2	
10.4	26.1	18.5	
8.8	36.1	17.0	9.5 a
10.4	43.0	7.1	
9.8	46.6	24.0	
10.4	46.8	53.8	
9.0	51.1	51.3	8.5 a
9.3	6 1.1	44.0	
10.3	5.1	46.9	
8.3	6.1	43.1	a
10.2	12.1	47.9	
10.3	13.1	44.7	
10.4	14.1	57.3	
10.2	15.1	43.7	
10.0	15.1	20.7	9.5
9.4	21.1	29.4	9.5
25pr.	+1 35.0	+0.2	

6421—6480.

mag.	18h. m s	—28° '	
10.2	6 21.1	35.1	
10.4	26.1	29.7	
10.2	26.1	52.1	
7.5	36.6	52.2	Wam
10.4	37.0	44.6	
9.2	38.6	0.2	
10.0	40.6	1.9	
8.6	43.0	23.5	9.5
10.2	43.1	59.7	
8.2	43.4	0.8	8.5 =
10.4	44.6	12.9	
9.2	45.1	32.7	
8.8	45.1	44.3	
10.2	45.1	16.1	
10.0	45.6	46.6	
9.2	53.1	12.7	
8.8	57.6	29.7	10.0
9.2	7 2.1	42.2	–
9.2	5.1	24.7	9.5
10.2	5.6	3.9	
10.3	7.6	18.1	
10.3	11.6	29.1	
10.2	12.1	30.9	
9.5	13.1	52.8	
10.1†	13.7	56.6	
10.4†	16.4	43.9	
9.6	17.1	46.9	
10.0	17.5	3.4	
7.8	18.0	38.7	Gaml
9.4	18.0	55.8	
9.3	26.0	51.2	
9.8	32.1	33.4	
10.4	34.4	43.1	
9.5	35.5	10.0	
8.8	36.0	38.5	
9.9	38.5	38.1	
9.5	39.0	33.7	
10.3	41.0	53.7	
9.8	45.0	37.6	
10.0	45.0	0.3	
7.8	45.5	6.9	8.8 Ga
10.4	48.0	32.2	
9.5	49.5	22.2	
10.4	52.5	43.9	
10.3	55.0	14.7	
9.8	8 5.0	20.4	
9.3	5.0	18.9	
9.8	11.0	10.9	
10.0	11.5	55.2	
8.3	15.0	8.1	9.2 a
10.4	16.0	13.6	
9.6	22.5	21.1	
8.5	23.5	58.2	8.0 GWam
10.3	25.0	24.6	
10.1†	27.9	51.3	
9.8	28.5	56.0	
10.2	31.0	39.5	
9.0	35.0	20.6	–
10.0	41.5	58.8	
9.5	45.0	22.8	
	+1 34.9	+0.3	

6481—6540.

mag.	18h. m s	—28° '	
10.0	8 47.0	58.4	
10.2	47.5	43.5	
10.4	55.0	22.3	
9.6	58.7	48.4	
9.6	9 1.7	48.7	
9.4	2.4	35.8	
9.3	3.0	45.4	
9.6	3.5	25.6	
9.8	5.0	21.6	
10.2	7.1	48.5	
9.5	8.5	18.7	9.5
10.3	11.0	49.4	
10.4	12.0	10.8	
9.2	21.0	23.2	
10.4	22.0	34.2	
9.6	22.0	27.9	
6.8	28.8	41.4	6.5 GScl
6.9	28.8	19.5	6.5 GSlπ
9.6	33.5	10.8	
8.6	35.0	18.3	9.0
10.4	35.8	34.6	
8.0	44.0	8.6	9.0
8.8	49.1	1.8	
10.2	58.2	33.2	
9.6	58.3	27.5	
10.2	10 18.8	9.3	
8.8	19.3	55.1	
8.4	25.3	41.9	9.0
9.8	26.3	9.1	
8.4	11 8.8	15.6	9.5 =
10.2	11.3	41.7	
10.2	22.8	56.7	
8.5	47.3	29.4	9.5 G
10.0	56.3	29.9	9.5 G
10.2	12 19.3	8.4	
9.4	24.3	34.6	
10.2	44.6	0.3	
10.0	53.8	16.0	
8.1	13 2.8	10.1	8.5 =
9.0	3.8	45.5	9.0 G
8.5	5.8	23.9	W
9.6	17.3	50.3	
9.8	17.8	46.2	
10.0	28.8	0.5	9.5
10.2	53.8	8.6	
7.2	14 5.8	29.1	6.8 GScl
9.2	8.8	31.5	9.5
9.6	9.8	46.1	
10.2	10.8	40.5	
9.4	17.3	12.7	
9.0	18.8	58.6	
8.4	27.8	14.7	8.5 al
9.6	29.8	16.8	9.2
10.3†	15 13.3	57.7	
9.1	19.8	28.0	8.2 Gam
9.9	33.8	20.9	
10.2	38.8	14.1	
10.2	44.8	36.7	
9.5	49.5	4.7	8.8
9.6	52.8	24.1	9.0
	+1 34.9	+0.4	

6541—6600.

mag.	18h. m s	—28° '	
9.0	15 56.8	43.7	
10.2	16 33.3	34.1	
10.2	39.8	20.9	
9.2	42.8	46.1	
9.8	17 14.8	8.0	
10.2	17.8	2.4	
10.2	28.8	34.8	
10.2	28.8	14.7	
10.0	38.3	18.9	
9.6	39.3	11.0	
10.2	50.8	25.5	
9.8	57.3	28.1	
10.0	18 2.3	9.7	
10.2	3.3	32.1	
10.0	17.8	24.2	
9.0	20.3	6.1	
10.2	25.8	31.0	
9.9	31.8	51.9	
9.4	39.8	39.2	9.5
10.2	19 3.8	34.1	
10.2	18.8	9.9	
9.5	23.8	34.5	
9.5	32.3	49.6	
10.0	33.8	40.5	
9.6	38.8	17.8	
9.6	51.8	20.9	
10.2	59.8	52.6	
8.3	20 10.3	27.3	8.5 Ga
10.2	20.1	49.6	9.0
9.4	32.3	51.2	9.0 W=
9.6	45.8	51.8	
9.2	21 30.3	2.2	9.0
9.6	31.8	14.0	9.0
10.2	41.3	7.4	
9.2	22 17.8	6.8	
8.1	35.3	52.6	8.0 GSac
9.6	52.0	0.8	
10.2	52.8	8.9	
8.8	23 1.3	2.1	Ga
9.6	12.6	13.1	
9.9	21.9	1.7	
10.0	25.6	46.0	
8.5	58.1	35.6	8.5 G≡
9.0	24 17.1	30.3	9.0
9.0	50.6	12.0	
9.9	52.6	29.9	
9.5	54.6	46.4	
9.6	25 22.6	32.5	
9.5	36.6	11.6	8.5 =
10.2	39.6	49.8	
9.0	26 7.6	10.4	9.5
8.5	18.6	26.1	M≥m
9.4	25.6	56.0	
9.6	45.6	47.7	
8.8	-- 51.1	9.7	9.0 –
9.4	53.6	43.1	
9.4	53.6	45.6	8.5
10.2	27 6.6	25.9	
10.2	8.6	16.7	
10.2	10.1	14.3	
	+1 34.9	+0.8	

SO 11705.

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6601—6660.

mag.	18h. m	s	—28° ′	
10·0	27	24·6	21·9	
10·0		36·6	49·4	
9·8		43·6	11·8	
8·6		44·1	25·2	8·5 a
10·2		45·6	12·4	
10·2		48·6	4·3	
9·0		56·1	54·8	
9·6	28	4·4	17·9	
9·8		17·1	3·8	
9·9	29	3·6	19·9	
8·0		8·6	36·5	GSacl
10·2		23·1	8·3	
10·2		24·4	42·7	
10·2		28·3	56·6	
10·2		28·6	32·6	
9·2		32·6	51·7	9·0
10·2		34·6	39·1	
8·4		48·1	5·3	9·0 –
10·2		55·6	8·9	
9·8	30	17·1	21·7	
10·3†		21·6	57·9	
10·2		29·6	9·3	
9·8		37·1	6·7	
10·2		40·6	56·0	
10·2		53·6	39·8	
9·5		54·1	9·6	
9·5	31	5·1	45·3	9·5
10·0		9·1	20·6	
9·4		16·1	48·9	
9·0		20·4	37·2	8·5 bm
7·9		21·2	17·2	8·0 GScl
10·1		27·4	44·2	
10·1	32	27·0	2·4	K
10·1		31·2	27·8	
9·8		44·2	42·8	
8·6	33	11·2	22·0	8·0 Gb≥l
7·9		23·3	56·3	8·5 =
9·2		31·2	4·3	K–
8·8		32·7	13·4	
8·6		44·6	4·0	K
9·5		48·6	30·5	
9·2	34	0·6	26·3	
10·1		5·1	7·0	
10·4†		12·4	57·8	
10·0		12·6	40·8	
10·0		25·6	34·4	9·5
10·0		27·6	18·4	
9·6		35·6	11·5	
9·8		43·6	10·5	
10·0		51·6	12·9	
9·8	35	4·6	10·8	
10·0		15·0	14·3	
9·1		15·5	17·5	
8·8		26·0	34·0	=
9·2		53·5	21·1	9·0 –
10·1	36	21·5	45·4	
10·0		40·0	21·9	
9·6		43·0	9·9	
10·0		52·5	55·1	
9·8	37	1·0	21·8	
25pr.	+1	34·8	+1·1	

6661—6720.

mag.	18h. m	s	—28° ′	
9·0	37	5·9	20·9	9·5
8·0		16·4	20·7	8·5 G≡
9·1		21·4	29·2	
8·6		25·9	14·2	–
9·6		42·6	1·2	
8·1		45·4	54·2	9·0 =
8·8		46·4	53·3	9·5
9·6		51·6	0·9	
10·1		58·4	48·6	
10·0†	38	8·2	50·9	
10·1		11·4	54·3	
9·8		20·8	2·7	
9·6		21·4	3·1	
9·2		28·6	2·8	
10·1		32·4	42·2	
10·0		44·9	56·4	
10·0		47·9	54·4	
10·0	39	16·9	41·1	
10·1		18·7	7·7	
7·6		45·4	24·6	8·0 GSbc
10·1	40	3·4	16·3	
10·0		5·4	45·8	
9·0		6·4	34·2	9·5
9·2		12·6	1·3	
10·1		34·9	12·0	
9·4	41	0·9	28·1	
9·8		5·4	38·5	
9·5		6·4	31·1	9·5
10·1		12·4	27·5	
10·1		12·7	25·0	
9·5		30·7	25·3	9·0 Mm
9·6		41·7	49·5	
9·8		42·2	58·9	
9·6	42	4·7	13·9	
10·0†		5·5	48·2	
10·0		7·7	21·1	
8·8		27·7	44·9	MK=m
9·4		35·7	46·5	
10·1		41·7	55·4	
9·5		41·7	56·3	
10·0		49·7	21·9	
10·1	43	10·1	54·9	
10·1		21·7	3·7	
10·0†		25·5	45·3	
9·6		59·7	23·9	
8·6	44	1·9	20·5	a
9·8		2·9	28·2	
9·8		7·4	51·7	
10·0		18·9	42·4	
8·8		50·9	52·6	9·0
9·4	45	1·9	42·8	
9·8		3·4	30·0	
8·8		6·9	17·5	8·5 Ga
9·2		44·9	5·9	
9·4		48·9	53·2	9·0
9·8†	46	2·4	45·6	:
9·2		11·4	45·6	9·0
9·8†		38·9	49·1	
9·1		41·9	51·3	8·5 G=
10·1	47	7·9	57·4	
	+1	34·7	+1·5	

6721—6780.

mag.	18h. m	s	—28° ′	
10·2†	47	15·9	42·2	
8·8		26·9	42·1	9·0 M–m
10·1		29·9	55·8	9·0
9·5		41·9	55·0	
9·6	48	2·9	17·9	
10·1		5·4	48·9	
8·0		6·9	17·2	8·5 Wal
10·3†		46·4	57·9	
8·8	49	15·3	16·4	a
10·1		26·8	39·4	
10·1		43·3	39·1	
9·5		54·8	5·3	
8·3	50	20·3	54·9	9·0 Wa :
9·2		53·3	6·8	
9·2		56·3	26·8	
10·1	51	0·3	15·2	
9·8		2·3	33·8	
8·6		14·3	45·4	8·5 a
9·1		32·3	36·2	
7·9	52	8·8	13·1	8·0 GSlπ
8·4		11·3	52·1	8·5 Wa
9·5		23·3	35·9	
9·6		28·3	42·5	
10·0†		45·3	42·8	
10·0	53	8·3	46·2	
8·6		13·3	53·0	9·0 GWal
9·5		27·5	59·6	9·0 Ga
9·8		35·3	14·6	
9·6		59·1	59·2	
9·5	54	2·6	31·1	
10·0		18·1	19·6	
8·5		21·9	49·3	8·5 G–
10·4		28·6	56·7	
8·4		39·6	49·0	8·5 G=
9·4	55	22·9	53·8	
10·4		25·6	18·6	
10·3†	56	0·4	51·6	
9·8		14·6	23·1	
9·6		46·6	17·2	
10·4		51·6	38·3	
10·4		54·0	38·5	
9·2	57	12·0	57·2	
9·2		20·5	10·5	
10·3†		25·4	55·0	
8·6		25·5	17·8	b
8·8		33·3	2·2	
9·0		46·0	19·9	=
9·6	58	2·0	30·3	
10·4		22·5	11·3	
9·9		32·0	51·7	10·0
9·8		40·5	49·1	9·5
9·6		52·3	57·9	
10·2†		56·3	52·1	
10·4	59	7·0	32·5	
9·4		18·5	43·3	
10·4		20·0	2·8	
10·4		22·2	57·9	
9·1		25·0	50·3	9·2 –
10·2		28·5	33·3	
10·4		30·3	40·5	
	+1	34·4	+2·0	

6781—6840.

mag.	18h.–19h. m	s	—28° ′	
7·4	59	38·0	49·5	6·5 GSπμ
10·4		45·0	46·9	
9·4		49·0	31·5	
10·4		59·0	30·4	
10·0		59·5	45·5	
9·6	0	14·0	45·6	
9·2		23·5	12·9	
9·8		23·9	14·6	
10·2		32·9	53·2	
10·4		36·4	52·8	
10·4		42·4	52·4	
10·0		46·4	57·9	
9·0		53·4	43·2	
8·6	1	3·4	56·0	8·0 Gaml
9·2		35·9	44·5	8·5 G
9·7		36·9	22·1	
10·3†	2	16·0	58·8	
9·5		17·9	7·0	9·5
10·4		26·4	30·0	
9·2		33·4	12·0	
10·0		54·4	53·1	
9·6	3	2·4	1·0	
8·8		3·4	17·1	8·2 G=
10·4		3·4	48·5	
8·8		20·6	44·0	8·0 am
9·8		43·6	27·0	
10·4		53·6	24·2	
9·9		56·6	48·2	
9·9	4	3·6	44·9	
9·4		6·5	15·0	
9·7		10·6	52·0	
9·1		15·1	41·1	
9·7		29·6	53·8	
8·6		32·6	20·7	8·5 am
9·6		37·1	2·2	
10·4		40·4	58·1	
10·4		43·7	50·6	
9·6		54·6	2·2	
10·4	5	3·6	41·3	
10·4		6·6	47·9	
9·4		11·6	4·0	
9·1		13·6	11·5	9·5 –
9·4		15·1	58·8	
10·4		26·6	32·9	
9·0		32·1	5·8	9·5
9·4		40·6	52·7	
10·4		44·6	50·3	
10·0		45·1	27·1	
10·4	6	22·6	17·2	
9·2		33·8	52·9	9·5
9·7		39·8	1·6	
8·6		44·8	59·3	9·0
10·4		45·3	22·6	
8·5	7	1·8	14·4	–
9·2		8·8	38·0	
9·2		10·8	26·0	9·5 –
9·7		26·5	59·0	
9·5		37·8	37·4	
10·2†		44·8	50·6	
10·4		47·9	54·1	
	+1	34·2	+2·3	

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6841—6900.

mag.	19h. m s	—28° ′	
8·4	7 51·8	4·2	9·5 =
10·2	54·3	50·5	
10·2	57·8	10·8	9·5
10·4	8 4·7	58·3	
10·0	5·3	12·0	
9·2	6·3	6·1	
9·2	13·8	9·8	9·5
10·2	28·8	51·2	
9·5	31·8	39·6	
10·4	43·9	55·9	
10·0	45·8	50·7	
8·6	57·2	53·0	7·8 GWbl
10·4	9 12·7	12·2	
10·4	14·2	32·6	
9·8	32·2	53·4	
9·1	37·2	41·6	
10·4	40·2	9·3	
10·0	41·7	51·0	
10·0	54·2	41·9	
10·4	54·7	37·8	
10·4	56·2	57·3	
9·4	10 4·2	32·9	
10·4	29·2	3·6	
9·5	31·7	4·9	
9·9†	32·5	57·6	
9·2	41·2	34·6	
9·4	43·0	1·9	8·8 am
9·5	53·2	19·5	
9·7	54·2	31·4	
9·2	54·2	25·0	9·5
9·2	11 1·2	52·1	
8·8	3·2	27·1	8·5 am
10·2	14·6	58·5	
9·0	23·2	4·3	–
9·6	24·2	20·7	
10·4	29·4	44·0	
9·0	39·7	46·7	9·0 –m
9·1	48·2	49·8	9·2
10·4	58·4	22·0	
10·4	59·7	17·4	
9·8	12 16·2	45·9	
9·9	18·2	45·0	
10·4	21·7	8·4	
10·4	35·2	4·5	
10·4	38·2	19·7	
9·2	48·2	13·7	G=m
10·0†	13 1·3	53·2	
10·0†	8·3	45·8	
9·8	13·2	43·9	9·0 G–
10·4	24·2	42·8	
9·0	26·2	43·5	8·0 Ga
10·2†	27·8	49·6	
9·5	38·2	8·2	
9·0	47·2	27·4	9·5 G
9·8	48·2	18·8	
9·1	55·5	58·5	
9·6	14 2·2	10·6	
9·7	41·2	47·7	
10·4	45·7	36·2	
10·0	15 13·2	46·7	
25pr.	+1 34·1	+2·5	

6901—6960.

mag.	19h. m s	—28° ′	
8·8	15 44·0	0·8	8·5 Gam
9·4	48·2	54·4	8·5 GWam
10·4	52·2	10·3	
9·1	57·2	54·9	8·8 GWam
8·8	16 8·4	56·6	9·2 GW=
10·4	15·2	5·6	
9·9	17·2	6·9	
9·8	23·2	13·6	
9·0	27·2	5·0	8·5
9·2	42·7	51·2	8·3 Gam
6·4	43·0	6·3	6·0 GSlπ
9·4	49·2	29·3	
9·2	17 9·2	19·2	
10·4	13·2	10·8	
10·4*	15·8	59·9	
10·2	17·5	53·0	
9·9	19·2	8·9	
10·4	33·2	3·5	
9·8	43·2	18·0	
10·3	50·7	24·3	
9·4	55·2	55·4	
8·8	18 5·2	6·6	9·0 G
10·4	14·2	32·9	
9·6	54·2	39·8	
9·4	19 17·2	15·9	
10·3	20 9·2	51·0	9·0 Ga
9·4	12·7	10·0	
9·4	29·2	45·1	9·5 a
9·2	30·7	38·7	10·0
10·4	33·7	49·0	
10·2†	35·1	41·1	
10·2	40·7	51·4	
10·3	48·7	17·5	
10·4	56·7	52·1	
9·6	21 15·2	22·9	
10·4	56·9	43·3	
10·4	58·9	42·0	
10·3†	22 5·8	58·0	
9·6	15·1	12·7	
10·3	35·6	21·2	
10·4	45·1	22·8	
10·3	46·1	24·3	
10·4	57·4	42·8	
10·3	23 10·6	4·1	9·5 G–
8·8	23·6	35·5	8·5 Gb–
9·2	32·1	12·7	–
10·3	35·6	11·0	
7·5	24 15·1	28·3	7·8 GScl
10·3	16·7	49·1	
8·8	25·6	38·1	8·2 Gb≡
9·4	26·9	0·7	8·5 GWam
10·4	31·6	6·3	
9·2	32·1	8·9	
10·2	34·6	5·0	
10·4	44·1	47·9	
9·2	45·1	58·5	9·0
7·8	52·6	15·5	7·5 GStl
10·4	25 19·6	30·8	
10·4	21·6	31·1	
10·4	35·6	11·6	
	+1 33·8	+2·9	

6961—7020.

mag.	19h. m s	—28° ′	
10·4	25 36·7	37·8	
8·6	44·6	17·8	9·0 M=m
8·1	52·6	47·9	8·0 Gb=l
9·8	57·1	35·3	
10·4	26 52·5	53·0	
8·8	27 14·1	17·4	–
10·4	17·1	20·8	
10·4	17·6	9·4	
10·0	41·1	49·2	
10·4	50·1	16·4	
8·2	28 5·6	58·4	8·8 GWam
7·6	14·6	56·4	8·3 GWal
9·6	28·6	3·3	
8·4	37·0	56·8	7·7 GWal
9·8	29 7·0	18·5	
10·4	48·5	54·1	
9·8	55·0	1·8	
10·4	55·8	52·7	
10·4	59·5	16·0	
9·4	30 39·0	4·0	9·0 GWa
6·8	31 8·0	53·2	6·5 GScl
9·4	22·0	28·4	
9·4	27·0	46·0	10·0 G
8·8	28·5	54·6	9·5
10·3	32 5·0	33·8	
10·0	6·0	2·7	
10·4	32·5	4·6	
10·4	46·5	4·6	
9·8	33 5·5	4·4	
9·4	58·1	58·3	9·0 M–m
9·4	34 4·8	27·4	
9·8	11·8	39·9	
10·0†	12·1	50·2	
10·4	35 1·2	48·3	
8·6	22·8	56·3	9·2 Gam
10·3	36 4·8	55·9	
9·8	35·8	8·7	G
9·8	41·3	34·3	
10·0†	42·5	59·5	
10·4	58·8	44·8	
10·4	37 2·8	10·7	
10·4	33·8	9·9	
9·0	43·2	0·8	9·0 G=
8·8	55·2	52·6	9·2 Gam
10·4	38 5·3	45·9	
9·0	27·2	55·6	9·8 G
10·4	33·2	44·7	
9·8	49·2	48·9	
10·4	39 30·5	39·9	W
10·0	51·6	9·7	
10·2	56·3	47·9	
7·3	40 2·3	47·7	GSb≡m
9·4	6·3	24·5	
7·8	8·5	2·3	Kb–ml
10·2	11·3	33·5	
9·0	12·3	41·1	
10·2	23·3	55·1	
9·4	34·3	8·1	
10·2	34·3	23·6	
10·0	47·3	9·9	
	+1 33·4	+3·3	

7021—7080.

mag.	19h. m s	—28° ′	
10·0	40 59·3	28·3	
10·2	41 3·3	25·9	
9·0	19·3	43·0	8·5 W
9·8	42 16·3	29·1	
9·8	17·3	37·7	
10·2	55·8	14·7	
9·2	43 1·3	18·1	
9·4	2·3	28·7	
9·8	23·8	12·3	
9·1	27·8	57·9	
8·6	40·3	46·5	8·5 Gam
8·2	40·3	32·3	
8·4	41·8	18·2	–
10·2	48·3	50·7	
9·0	44 3·3	56·6	9·2 G
9·4	3·3	15·8	
8·4	4·3	52·3	7·8 GMam
8·6	12·8	48·9	8·0 Gam
10·2	16·3	25·4	
10·2	21·3	32·3	
10·2	29·3	49·7	
10·2	38·3	50·6	
10·0	45 0·3	42·0	
8·4	1·3	27·5	8·5 G≡m
10·2	10·3	41·5	
9·6	17·3	20·4	
10·2	30·3	7·0	
8·8	36·8	7·7	9·5
10·2	37·3	56·0	
10·2	53·3	26·7	
8·8	46 21·3	10·4	9·5
10·2	37·3	53·9	
8·7	46·3	39·7	
10·0	53·3	45·3	
8·7	47 18·3	45·3	
9·6	20·3	25·0	
9·0	28·3	22·9	
10·2	46·8	26·1	
9·4	52·3	36·2	
10·2	55·3	31·1	
9·8	48 18·8	45·9	
10·0	24·8	17·2	
9·8	27·3	22·0	
9·6	29·3	52·5	
10·2	49 17·3	27·2	
10·2	24·8	48·0	
10·2	37·3	19·9	
10·2	50 8·3	1·3	
9·0	11·3	39·4	–
8·0	15·3	55·5	8·8 ≡m
9·4	18·3	29·2	
10·0	33·3	30·4	
10·2	36·3	29·6	
9·6	41·8	18·1	
9·3	43·8	42·4	
10·2	48·3	29·2	
8·8	54·8	4·0	9·2 =
8·2	51 4·5	59·2	7·8 GWal
9·8	9·8	0·3	
10·2	10·8	12·9	
	+1 33·0	+3·7	

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7081—7140.

mag.	19h–20h m s	−28° ′	
9·6	51 50·8	8·0	9·8 G
9·4	52 10·3	41·0	
9·8	14·8	12·5	
9·6	16·8	25·5	
10·0	20·3	15·0	
9·0	27·8	42·0	
10·2	33·3	49·5	
10·2	39·3	26·6	
9·4	42·3	15·2	
10·2	48·3	50·2	
7·2	52·3	55·5	7·2 GScl
10·2	52·3	39·1	
9·1	53 3·3	53·7	
9·8	32·3	27·8	
10·0	33·3	51·1	
10·2	47·0	0·4	
9·6	58·8	39·1	
10·0	54 6·3	9·0	
8·2	23·3	20·3	8·4 GWal
9·0	25·3	32·7	M=m
10·0	40·3	44·6	
9·6	47·1	3·0	
8·7	48·8	17·5	9·2 a
10·2	52·3	40·7	
6·7	58·3	3·3	4·8 GSμβ
8·4	55 1·3	43·2	am
8·2	1·7	57·2	8·8 –
10·0	8·3	52·0	
10·0	13·7	22·6	
9·6	27·2	38·9	
10·0	33·2	53·8	
10·2	40·0	1·2	
10·2	52·2	15·9	
10·2	53·2	49·4	
9·6	57·2	52·8	
10·2	56 0·2	7·8	
10·2	3·2	7·7	
8·8	17·7	58·6	
8·6	26·7	22·0	9·0 Wam
8·2	44·2	5·8	7·3 GWam
8·8	44·7	52·3	
9·8	44·7	50·6	
10·2	54·2	58·2	
10·2	57 4·2	35·9	
8·6	6·2	37·4	–
10·2	6·2	49·5	
10·2	22·2	39·9	
8·2	36·7	9·8	8·0 Gam
9·8	51·2	27·3	
9·6	55·2	52·1	
10·2	58 0·2	12·6	
9·4	26·2	7·4	9·0 a
9·6	48·7	18·3	
7·6	57·2	43·5	8·2 Gam
10·2	59 8·2	22·8	
10·2	12·2	2·1	
10·2	22·2	22·5	
10·2	23·2	31·4	
10·0	0 17·2	9·0	10·0
10·0	33·2	34·0	
25pr.	+1 32·7	+4·1	

7141—7200.

mag.	20h m s	−28° ′	
10·2	0 42·2	31·5	
10·2	44·2	33·7	
8·8	1 24·5	18·7	8·6 Gaml
7·8	36·2	48·1	7·5 GSbc
8·0	40·7	19·0	8·4 Gaml
8·7	53·2	4·6	8·5 –
10·2	2 4·1	29·9	
9·4	12·6	38·9	9·0 –
9·8	18·3	11·6	
8·4	25·7	3·7	8·5 =m
9·5	27·9	30·5	
9·2	44·9	21·1	
9·6	56·5	51·4	
10·1	3 14·4	13·7	
8·8	38·6	59·7	9·2 –
10·1	4 26·4	24·8	
9·2	45·7	32·2	
9·8	55·2	47·9	
8·8	5 4·2	17·4	9·0 ≡m
10·1	35·2	20·3	
10·0	52·7	28·0	
10·0	6 0·7	28·5	
9·6	8·7	43·0	
9·6	14·7	11·0	
9·4	18·2	30·1	
10·1	55·7	33·9	
9·4	7 5·7	56·8	–
8·6	35·7	32·5	9·5 G
8·6	45·2	51·5	Gam
8·8	8 0·2	27·3	9·0 G=
8·5	9·5	35·0	9·0 –m
10·1	50·8	23·4	
10·1	56·0	31·9	
9·4	9 38·0	16·8	
9·0	41·5	52·9	
10·0	10 7·5	28·5	
8·6	19·5	31·0	8·4 G≡m
9·8	25·0	18·8	
10·0	29·5	45·1	
10·1	31·5	32·9	
10·0	37·0	3·6	
10·0	41·0	55·4	9·5
10·0	50·5	36·5	
9·0	51·5	11·8	a
8·8	53·5	31·4	–
10·0	11 14·5	31·7	
10·0	12 28·8	59·9	
8·8	32·8	13·7	a
9·5	50·3	12·9	
10·0	52·8	34·6	
9·1	13 58·8	44·4	
10·1	14 0·8	1·1	
8·6	47·0	7·4	9·2 GMam
10·1	57·0	38·4	
10·1	15 2·0	10·1	
9·1	14·0	9·3	
9·6	14·5	52·7	
9·8	34·0	38·3	
9·0	47·0	33·3	
9·0	47·0	50·6	–
	+1 32·3	+4·4	

7201—7260.

mag.	20h m s	−28° ′	
10·0	16 0·0	56·4	
10·0	3·0	5·3	
10·0	6·0	20·9	
9·4	13·5	36·3	
9·8	18·0	17·9	
8·8	29·5	47·1	8·0 G–
8·8	31·9	24·3	8·5 G–
8·6	40·4	23·9	8·2 G–
9·6	47·9	6·9	
9·6	56·4	43·0	
10·1	58·9	52·4	
10·1	17 7·4	8·4	
8·8	12·4	38·5	9·5 G
10·0	39·4	47·3	
9·2	18 8·4	10·7	a
9·5	57·9	53·1	a
9·4	19 33·8	51·9	a
10·0	37·3	24·4	
8·8	47·3	54·5	9·5 a
10·1	47·3	18·1	
10·0	20 13·8	32·0	
8·1	17·8	40·2	7·6 GScl
10·1	21·3	14·5	
9·4	23·8	20·1	
9·4	21 28·8	10·0	
9·5	42·3	14·8	
9·6	51·8	26·6	
9·2	22 0·8	22·1	9·5 a
9·8	32·3	32·7	
10·0	49·7	26·6	
9·8	54·2	17·1	
8·8	23 39·7	50·6	–
8·0	49·9	10·0	8·1 Gal
10·0	56·2	43·7	
9·2	57·2	25·0	
10·1	24 1·5	32·1	
10·0	5·2	39·2	
9·8	9·5	40·7	–
8·0	9·9	29·5	7·4 Gaml
9·1	14·2	42·2	
9·5	17·0	30·7	
10·1	19·2	33·8	
10·0	27·9	28·5	
10·1	36·2	54·8	
10·4	25 6·2	17·4	
10·0	36·7	25·3	
9·9	26 10·7	24·4	
10·4	20·3	54·0	
10·4	38·2	18·2	
9·6	40·2	5·8	
10·4	44·2	58·1	
9·6	54·7	19·0	
10·2	27 0·7	4·6	
10·4	6·2	3·0	
10·2	56·5	3·6	
8·6	58·5	24·6	9·0 G–
9·6	28 44·5	55·0	
9·2	54·5	38·3	
9·4	54·5	10·8	
9·2	58·0	38·6	
	+1 31·6	+4·9	

7261—7320.

mag.	20h m s	−28° ′	
10·4	29 10·5	44·7	
9·0	12·5	28·1	
10·4	21·0	53·6	
9·6	52·5	42·6	
10·4	30 21·2	57·3	
10·4	21·5	13·0	
9·2	30·5	14·2	a
10·4	36·5	14·4	
10·2	50·5	18·2	
10·2	57·9	34·3	
7·6	31 26·9	51·7	7·9 Gaml
10·0	35·9	36·8	
9·8	39·9	57·8	
10·0	42·4	46·6	
9·2	49·4	36·1	
9·8	32 5·9	12·8	
7·9	21·9	9·3	7·7 GSal
10·4	32·9	54·7	
7·4	33 2·7	1·7	7·6 GScl
7·8	16·6	59·4	6·8 GSbc
10·0	19·4	30·2	
7·2	59·9	26·1	7·4 GScl
8·8	34 1·9	31·9	9·5 a
9·2	51·4	48·9	
9·8	35 15·9	50·9	
9·6	45·2	20·0	9·0
9·8	45·7	16·5	
9·6	36 12·2	29·3	
10·0	19·7	15·7	
7·6	22·2	21·7	7·6 Gaml
9·4	36·2	46·2	
9·4	41·2	36·2	
7·3	37 2·2	39·1	7·5 GSac
10·0	38 9·2	16·4	
10·4	14·9	37·3	
9·0	19·7	3·5	9·0 G
9·9	20·7	28·6	
10·4	29·2	29·7	
8·6	42·2	53·6	9·0 G=m
9·4	39 0·7	38·1	
8·6	12·6	44·5	Mm
7·8	45·6	9·3	8·0GW=m
10·0	47·6	28·9	
10·4	50·1	33·1	
9·8	40 10·6	21·5	
9·0	18·1	54·2	
10·2	21·6	12·8	
8·0	22·1	12·5	7·5GW≡m
10·4	57·4	51·8	
10·4	58·7	57·7	
8·6	41 7·1	31·7	=
10·4	19·5	2·1	
9·6	22·6	5·6	
10·4	36·4	2·9	
9·6	42·1	35·1	
8·4	55·1	48·5	8·5 am
9·8	57·1	43·8	9·5 G
9·6	42 49·1	25·2	
8·8	53·0	8·9	
9·0	56·0	28·2	8·6GM–m
	+1 30·9	+5·3	

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7321—7380.

mag.	20h. m	s	—28° ′	
8.8	43	8.0	26.3	8.7 G–
9.2		30.0	12.1	G
6.8	44	5.5	27.6	6.8 GSac
10.4		13.0	44.1	
10.0		19.0	24.5	
9.0		51.0	52.6	–
10.4	45	1.0	8.1	
10.4		6.2	54.3	
9.4		14.5	31.1	
8.8		16.0	46.9	
9.6		21.5	34.4	
9.8		25.5	4.1	
8.8		47.8	49.2	
8.0		49.3	29.5	8.1 GWal
10.4		54.0	15.5	
7.3	46	36.7	23.7	6.7 GSal
8.2	47	5.8	24.2	7.3 GSal
9.8		22.2	43.6	
9.2		26.2	18.3	9.2
9.8		31.5	30.2	
8.4		36.8	57.9	9.0 =
9.8	48	23.0	10.0	
9.6		37.5	6.6	
10.4	49	7.0	13.3	
10.2		14.0	47.8	
10.4		46.6	57.9	
8.3		50.5	49.1	Ga
8.1	50	11.5	13.4	8.2 G≡m
10.4		23.5	11.0	
10.4		23.5	42.0	
9.8		27.5	33.5	
9.6		42.5	48.2	
10.4	51	0.9	1.1	
10.4		2.0	18.6	
9.0		13.0	43.3	10.0 –
9.8		38.5	56.9	
10.0		47.5	58.6	
10.4	52	27.2	51.0	
10.0		28.5	20.8	
8.6	53	16.5	48.2	8.5 M–m
10.4		22.5	18.9	
9.1		24.5	23.8	a
10.4		25.0	40.1	
8.6		29.5	42.8	8.0 G=
9.0		41.5	39.4	
9.6		47.5	15.5	
9.0		53.7	11.7	8.2 GWam
9.6	54	1.7	50.7	
8.0		4.7	17.3	7.8 GSam
10.4		32.2	35.0	
10.4		46.7	50.0	
10.0	55	19.4	59.2	
10.0		19.7	42.1	
10.4		28.7	44.8	
7.2		42.8	13.2	6.6 GSal
9.6		44.2	5.1	
9.0	56	6.7	23.8	9.0 –
10.2		24.2	51.1	
8.5		54.5	1.6	8.2 GWal
9.8	57	34.8	59.4	–
25pr.	+1	30.2	+5.6	

7381—7440.

mag.	20h–21h. m	s	—28° ′	
10.4	57	49.3	24.2	
10.0	58	50.8	30.5	
10.4		53.8	28.8	
10.0	59	3.3	24.6	
9.6		24.8	9.8	8.9 Gam
9.1		28.3	57.0	9.2 =
9.6		59.3	38.1	
9.6	0	23.3	13.8	
9.0		33.3	45.6	
10.4		36.9	46.0	
10.0	1	19.3	39.1	
9.6		27.8	9.6	
7.4		31.4	58.6	7.0 GSlπ
8.3		52.0	35.6	8.5 Gm
10.0	2	25.0	27.4	
9.6		29.0	8.4	
10.4		29.5	47.4	
9.6		37.8	23.4	
8.3	3	2.5	59.9	7.5 Gtlπ
10.4		28.0	41.0	
10.4		37.8	13.4	
9.6	4	43.0	6.0	
9.1		44.0	6.3	9.5 G
8.3		53.0	24.8	7.8 Gblπ
10.0	5	11.0	21.5	
9.4		13.3	0.6	
10.0		23.5	39.0	
10.4		33.0	43.0	
9.6		46.5	30.6	
9.8		51.8	50.1	
6.8		52.5	7.7	5.8 GSπβ
8.6		53.5	58.3	9.0
8.8	6	35.0	50.9	9.0 a
10.0		41.5	14.8	
9.8		52.0	59.4	
10.4		53.8	33.5	
9.8	7	2.5	23.6	
9.8		14.8	5.9	? ?
10.4		19.0	49.9	
9.8		47.1	33.7	
10.0	8	1.1	6.1	
9.6		2.1	48.2	
10.2		18.1	3.7	
8.0		56.6	47.3	8.1 al
10.4	9	11.6	17.1	
10.4		27.6	28.0	
9.4	10	52.8	22.9	
11.2	11	20.3	27.6	
9.9		40.3	45.0	
11.2	13	1.8	56.5	
10.6		2.8	29.5	
8.1		46.8	15.6	8.0 M=m
10.6†	14	11.3	59.6	
10.5	15	17.8	19.6	
8.3		41.8	37.8	8.5 Gb–l
11.2	16	13.8	42.1	
8.6	17	4.3	38.6	8.5 m
10.5		21.3	32.3	m
11.2		27.8	47.3	
11.2		49.1	47.0	
	+1	29.3	+6.1	

7441—7500.

mag.	21h. m	s	—28° ′	
9.4	17	58.8	13.0	8.5 ≡
9.9	18	6.8	21.8	
11.1		26.8	36.0	
10.0	19	7.3	53.5	
8.0		24.8	30.6	8.8 G–m
11.2		26.8	8.1	
10.6		48.7	56.3	
10.5	20	2.8	43.0	
8.0		12.8	16.0	7.8 GSlπ
11.1		12.9	25.4	
9.2		32.8	23.6	
11.0		34.8	42.7	
11.2	21	14.2	51.7	
9.4		26.8	44.6	
9.2		27.8	16.8	≡
9.0		29.8	30.0	9.2 GMm
10.6	22	19.8	9.0	
10.6		26.8	7.5	
11.0		44.3	41.3	
10.0		46.8	12.8	
9.8	23	16.8	29.5	
11.1		46.8	36.0	
10.5		54.3	50.0	9.5
11.0	24	14.3	22.4	
10.3		24.8	59.0	
8.6		36.8	53.2	9.2 am
9.9	25	5.8	45.6	
10.0		33.3	25.0	
8.8		34.3	34.0	9.0 m
11.0		37.8	35.6	
11.2	26	5.8	7.8	
7.6		10.8	26.3	7.8 G≡tπ
11.1		13.8	41.6	
11.2		21.3	25.0	
8.0		50.3	27.1	8.2 G≡tπ
9.6	27	22.8	5.2	10.0
9.8		27.3	21.2	
9.9		44.8	18.2	
8.5		46.8	10.0	9.2 am
10.6		54.8	33.8	
10.6	28	57.3	14.3	
8.6	30	6.8	11.2	9.0 Gam
11.1		52.8	26.2	
10.5		54.8	29.1	
9.4		57.3	37.0	
11.2		57.8	25.0	
7.6	31	14.2	27.2	8.0 Gtlπ
11.0		21.1	33.5	
10.5		25.8	7.2	
11.2		32.3	31.2	
10.2		44.2	19.4	
11.0	32	0.8	17.5	
9.8	33	6.6	38.4	10.0
8.1	34	49.6	15.2	7.8 GSal
8.8		56.5	2.2	8.5 GWal
10.6	35	2.6	55.2	
9.6		5.6	54.6	
9.4		29.1	3.5	9.5 Ga
10.2	36	24.1	31.1	
9.6		35.6	31.9	
	+1	28.1	+6.5	

7501—7560.

mag.	21h.–22h. m	s	—28° ′	
8.6	36	45.1	27.5	9.0 m
8.9	37	1.6	54.4	8.5 a
10.0		1.6	14.9	
10.2		3.5	40.6	
10.0		33.1	3.0	
9.6		52.6	7.6	
10.0		55.6	12.2	
10.8	38	12.1	12.9	
8.0		12.6	41.9	7.2 GSa
9.4	39	23.0	32.2	
7.7	40	27.0	19.6	7.5 GSbl
10.6		53.3	50.1	
8.5		57.0	47.2	8.0 Ga
10.0	42	0.5	13.4	
9.0	43	22.5	23.5	9.0
9.6		29.0	6.2	
7.3		33.0	30.8	7.8 GSb=
8.9		52.0	18.3	9.2
10.2	44	10.0	46.7	
9.2		10.0	50.4	
9.8	46	24.5	7.2	
8.9		42.9	21.0	9.0
9.4		58.9	54.8	
10.2	47	1.4	56.1	
9.0		8.4	59.2	
8.6		18.4	23.4	9.2 –m
10.6		38.9	58.2	
9.2	48	6.4	52.9	
9.6		41.9	52.6	
9.0	49	11.9	31.7	9.0 G
9.2		21.9	37.7	
10.2		27.9	58.9	
7.7		45.9	48.2	8.0 Gaml
8.8	50	32.9	22.4	9.0 –
9.8		36.4	17.4	
9.4		43.4	17.0	9.5
10.0	51	9.2	29.7	
7.2	52	24.4	13.6	7.5 GS≡m
10.2		43.7	38.0	
8.8		52.4	1.9	8.0 GMam
10.0	53	40.9	7.2	
9.8		54.4	18.6	
8.8		57.8	54.7	9.3 G
8.2	54	3.9	55.5	8.7 GSa
7.8		20.8	29.1	am
8.5		36.4	37.1	
8.9		38.9	55.9	9.3 G
10.2		48.7	47.3	
10.0	55	3.4	31.3	
10.0		29.9	45.1	
10.0		30.8	19.8	
10.0	57	17.7	17.5	
9.1	58	2.2	47.2	8.2 Gam
7.8	59	1.7	37.8	8.0 am
9.0	0	1.7	39.4	8.5 Gam
7.6		33.2	40.0	8.0 Gaml
7.3		36.2	45.3	8.5 Gaml
9.8		46.2	40.0	
9.6		56.2	7.0	
6.8	2	52.7	54.3	6.2 GStl
	+1	26.6	+7.0	

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7561—7608.

mag.	22h. m	s	—28° ′	
8·4	3	3·2	17·0	8·5 Gam
10·0		13·7	52·3	9·5
10·0†	5	52·2	58·9	
8·8	6	3·6	54·4	8·5 a
8·4		34·1	4·6	8·5 Gam
5·4	7	13·6	23·0	5·5 GSπβ
9·4		38·6	19·4	9·5 Mm
9·4	8	46·1	35·2	9·5
7·9	10	13·6	6·8	7·2 GSal
8·4	11	31·0	44·5	8·0 Gaml
10·0		35·4	46·1	
10·0		55·5	8·3	
8·2	12	16·0	50·0	7·0 GSal
9·1		29·0	47·9	9·2
8·3		45·7	1·0	7·8 Gam
8·8	13	37·0	51·5	9·0 am
10·0		38·9	32·8	
9·6	14	59·9	56·1	
8·5	15	32·7	3·0	8·5 Gam
9·2		49·0	12·8	9·0 G
8·2		53·0	11.0	8·3 GMam
8·8	16	28·0	31·0	8·0 Gam
10·0		45·0	47·8	
9·4		47·0	25·9	9·0
10·0	17	3·3	18·5	
9·8		7·8	38·0	
8·8		57·8	47·1	
7·8	19	9·3	38·8	7·5 GSbl
9·1		24·0	59·2	8·9 GW=
8·3	20	21·3	40·1	9·0 am
9·2	21	3·2	53·1	9·0
9·8		27·7	50·2	10·0
9·2	22	36·2	13·5	
10·3		36·7	48·4	
8·8		53·2	28·7	8·5 G
9·2	24	5·9	0·1	
9·6		58·2	46·3	
9·5	25	33·9	14·2	
8·6		35·9	21·2	8·0 GWam
8·4	26	25·9	47·4	8·5 GMm
10·3		30·9	9·4	
9·0		35·9	36·9	
9·5		46·9	5·9	W
10·3		52·9	46·6	
9·0	27	1·4	57·2	
10·2		2·9	47·2	
9·2		10·9	17·7	8·8 GMam
8·4		22·9	11·4	8·3 GMam
25pr.	+1	24·7	+7·5	

7609—7656.

mag.	22h. m	s	—28° ′	
8·2	27	31·9	2·2	8·2 GWa
9·8		42·9	10·5	9·0 G
8·8	28	7·4	7·0	8·4 GWam
8·8		7·4	12·8	8·7 GW
9·8		32·4	9·9	9·0 a
8·2		35·9	23·6	8·0 G
10·3		40·9	46·4	
10·0		41·9	24·2	9·5 G
9·0	29	17·2	57·5	9·0 Mm
10·3	30	24·7	33·9	
7·8	31	11·7	5·6	8·0 GWlπ
10·0		35·2	44·5	
8·4		53·2	55·2	GWM
8·8	32	2·2	13·0	8·0 Wa
7·1		46·7	58·5	7·0 GStl
7·1		49·3	59·9	7·7 GStl
8·6	33	13·9	18·8	9·5 –
8·8	34	18·4	41·0	
8·2	35	23·1	2·2	8·0 aml
10·3		39·4	16·0	
8·2		56·4	32·2	8·0 Gbm
7·5	36	14·9	48·3	8·0 Gam
9·8	39	9·2	3·1	9·5 –
8·1	40	31·3	2·5	7·8 Gaml
10·0		44·4	1·6	8·5 Gam
7·4	41	36·0	13·1	7·0 GSal
10·2	44	12·7	36·0	
10·0	45	13·2	44·8	
9·3		26·2	49·7	9·0 M
8·6		36·2	3·0	9·0 am
9·8	46	30·7	53·0	
10·6		46·2	13·5	
9·8	47	16·2	57·1	
10·6		57·2	21·2	
9·3	48	4·2	30·8	9·0 –m
7·4	49	11·7	41·2	am
10·2		51·5	33·3	
9·8	50	3·0	16·2	–
9·2		21·5	25·6	–
7·6		53·5	38·0	8·0 Gam
9·4	51	9·0	2·2	–
9·6		24·5	40·0	
8·6		50·0	58·4	8·8 am
7·8		50·5	49·1	8·2 Gam
10·6	52	54·3	54·3	
7·8	53	24·3	35·5	8·5 =m
10·6		27·8	30·7	
9·3		46·8	32·4	9·0 –
	+1	22·9	+7·9	

7657—7703.

mag.	22h.–23h. m	s	—28° ′	
9·6	54	13·8	5·9	
8·4		35·3	40·8	8·0 Gam
9·6		43·8	50·5	
9·4		48·3	42·6	
8·6	55	22·8	1·4	–
9·4	57	9·2	10·2	
8·6		19·7	54·6	8·0 Gam
9·8	58	3·2	57·9	
10·3	59	42·2	8·0	–
10·6	0	0·2	25·0	
7·0	2	59·2	45·9	6·0 GSlβ
9·6	3	56·9	31·4	–
8·4	4	5·9	42·9	Gam
9·6		55·4	12·8	
9·6	5	24·4	21·5	9·5 G–
9·6		55·8	59·3	
9·4	6	25·9	42·5	
9·4	7	58·9	16·0	
9·3	8	44·9	11·0	–
9·0	9	4·4	29·4	
8·9	11	8·9	54·6	
9·4	13	2·9	44·2	
9·6		34·1	49·0	
8·7	14	14·2	21·5	8·0 Gam
9·1		26·2	48·6	10·0
9·3		35·7	29·9	–
9·2	15	59·7	9·0	–
9·6	17	1·7	33·1	
9·2		5·7	53·2	
9·2		47·7	54·9	
9·3	18	3·2	24·5	8·5 M–m
7·7		4·2	2·3	8·0 Gal
9·4		33·2	24·5	9·0 G
7·4	19	33·7	6·8	7·0 GSal
8·3	20	40·2	43·9	Ga
9·6	22	18·1	42·7	
7·5		28·6	57·2	8·2 Gaml
8·1		39·1	17·0	8·0 Gam
8·4	24	36·3	3·9	8·5 Ga
10·0	25	48·5	51·8	
10·0	27	17·4	41·2	
10·0		55·5	22·8	
9·3	28	9·5	6·5	G=
8·0		16·0	24·0	8·0 M=m
7·2	29	4·5	10·6	7·0 GSal
9·9	32	6·5	44·5	
8·2		16·3	57·6	8·5 am
	+1	20·4	+8·2	

7704—7750.

mag.	23h. m	s	—28° ′	
10·0	34	16·5	0·2	
9·3		43·0	5·7	=
8·2	35	44·0	19·8	8·0 Gaml
10·0†	36	0·2	47·3	
8·1		3·5	52·5	8·2 Gam
9·9		51·0	14·7	–
10·0		56·0	41·0	
9·2	37	23·5	44·1	
10·0		44·0	17·5	
10·2†	38	36·2	53·7	
8·2	39	7·0	12·7	≥
9·6	40	26·0	1·1	9·0 =
10·0		42·5	34·1	
9·9	41	40·5	6·9	
8·6		50·0	35·3	8·5 GWal
9·3	42	16·0	14·6	–
8·5		20·0	48·7	9·0 a
5·0		24·5	49·3	5·0 GSlπ
9·4		38·5	41·1	
7·0		50·0	32·7	7·0 GSal
10·0	43	3·5	32·0	
9·3		12·5	30·0	
10·0	46	46·4	57·9	
9·8		54·7	1·1	
10·2†	47	24·8	55·4	
10·0		49·9	26·0	–
9·7	49	3·9	8·1	
10·0	50	28·9	14·3	
10·0		33·9	37·2	
10·0		44·2	58·1	
8·4	51	2·9	44·1	Gam
10·2†		33·8	50·7	
8·5		35·9	41·7	8·5 a
10·0		39·3	0·5	
10·0		44·9	37·7	
9·8	52	19·9	51·6	9·5
8·0		24·3	28·2	8·0 aml
10·0		29·3	55·0	
10·0	53	29·6	58·0	
9·2		31·3	24·1	8·5 am
8·4	54	19·3	36·2	Wam
9·6		54·3	14·2	9·5 –
10·0	55	9·3	35·0	
9·4		17·3	54·8	a
9·6		31·3	49·6	
10·0	56	52·8	8·6	
10·0	58	27·3	23·2	
	+1	17·8	+8·3	

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ZONE — 29°.

1—30.

mag.	0h. m	s	−29° ′	
9.0	1	9.1	26.7	
10.3		20.6	37.2	
8.7		28.6	1.3	9.2 a
10.3		40.6	31.3	
10.3		59.1	36.9	
10.4	2	15.1	0.7	
8.7		41.6	1.7	9.2 a
9.2	3	26.6	55.4	
9.8		39.1	10.7	
9.2		45.6	2.1	
10.2	4	33.1	23.1	
10.4	5	3.1	27.1	
9.4		58.6	20.9	
10.0	6	13.1	7.9	
10.3		37.1	55.9	
8.8	8	3.6	37.6	9.5 a
9.2		28.1	40.1	
9.4		30.6	40.9	
8.4		48.6	42.1	8.8 Gb
10.4	9	43.6	0.1	
8.8	10	34.3	25.4	
10.2	12	2.5	49.4	
10.2		21.0	32.7	
9.8		50.0	56.1	
8.4		56.5	11.0	
10.2	13	0.5	52.9	
10.2	14	49.0	40.6	
5.8	15	14.0	40.2	5.5 GSlπ
9.3		26.5	8.9	
9.2		43.5	4.4	
25pr.	+ 1	16.2	+ 8.4	

31—60.

mag.	0h. m	s	−29° ′	
9.4	16	34.0	11.6	
9.8		34.0	18.3	
10.2		40.5	33.5	
8.4	17	23.0	21.2	–
7.1	18	3.0	40.3	8.0 GWa
8.4		16.0	6.5	8.8 a
9.6		21.0	41.9	
10.2	19	12.0	40.6	
9.2		19.0	50.0	8.5 –
8.2	20	16.0	6.2	8.0 G
8.4		53.0	59.4	
7.4	22	1.0	43.8	6.8 GSa
6.6		12.2	58.6	7.0 GSb
9.8		23.0	46.1	9.0
8.2		30.0	35.4	8.2 a
9.8	23	30.0	21.1	
9.4	24	6.0	8.8	
10.2		14.0	4.1	
8.4		25.0	13.6	8.5 Ga
9.8	25	59.7	38.9	
8.2	26	21.2	26.2	8.2 Ga
10.2		21.7	32.3	
8.7		51.7	45.8	9.5 –
8.6	27	1.7	3.9	8.8 Ga
8.6		24.8	1.2	9.2 a
9.6		57.7	38.2	
8.2	28	17.7	32.9	8.2 Ga
9.4		33.2	28.1	
8.2	29	5.2	53.8	8.3 a
10.2		29.2	10.8	
	+ 1	14.9	+ 8.3	

61—90.

mag.	0h. m	s	−29° ′	
9.4	29	52.2	5.9	
10.2	30	16.2	58.3	
9.4		22.7	40.6	
8.2		22.7	32.5	8.0 a
9.4	31	53.7	26.9	
9.2	33	21.7	46.3	–
9.0		58.4	15.4	
10.4	34	6.9	12.1	
10.4	36	22.4	15.8	
10.6		40.3	0.7	K
10.4	37	8.9	8.2	
8.9	39	24.4	22.1	
8.7		56.9	30.6	9.0
9.8	40	8.4	21.0	
9.0		24.4	5.2	
8.7		24.9	14.1	9.0 Ga
8.7	41	1.9	49.0	8.8 a
6.8	42	34.3	10.6	6.7 GSa
10.6		34.8	9.3	G
10.6		49.3	5.9	
10.4	43	28.8	54.8	
9.8	44	3.3	41.1	9.0 –
10.6		5.3	10.5	
8.2	45	43.3	19.9	8.0 Ga
10.2	46	3.8	26.5	
10.0		26.8	49.3	
8.8	47	34.3	38.3	–
8.7		45.8	13.4	8.5 a
9.0		51.8	29.0	8.0 Ga
10.0	48	3.3	25.8	
	+ 1	13.5	+ 8.2	

91—120.

mag.	0h.–1h. m	s	−29° ′	
9.6	50	23.3	20.0	
10.2		25.3	6.5	
10.6	51	39.3	53.0	
10.6	52	2.3	38.0	
10.2	53	28.3	23.6	
10.0	55	9.8	46.2	
8.7		14.3	33.4	8.5 a
10.0		46.8	17.8	
10.6		47.3	15.5	
10.4	57	8.3	35.5	
11.0		31.8	19.6	
10.8		45.3	19.5	
10.0	58	2.7	43.9	
10.8		49.2	43.1	
11.0	59	22.2	51.6	
11.0		26.2	57.3	
11.0		57.2	33.5	
10.6	0	10.7	21.1	
10.2		28.2	42.0	
10.5		46.2	4.4	
8.6	1	36.4	57.5	9.0 –
8.2		37.2	22.4	8.5 a
9.8		48.2	13.8	
10.8	2	17.2	35.8	
10.8		45.2	19.3	
10.6		47.2	7.4	
11.0		56.7	26.1	
8.8	3	53.2	26.2	9.0 –
10.8	4	13.2	55.0	
10.6	5	0.2	2.0	
	+ 1	12.0	+ 8.1	

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121—180.

mag.	1h. m	s	—29° ′	
10.4	5	29.2	46.4	
10.4		31.2	21.7	
11.0		58.2	22.6	
10.6	6	29.2	28.5	
9.6		32.2	42.8	9.0 a
8.6		43.2	50.6	9.0 Gb
11.0	7	59.2	2.0	
10.4	8	0.2	54.2	
10.6		6.2	44.1	
9.6		23.2	13.8	9.5 a
10.2	9	25.2	34.6	
9.0	10	31.2	52.4	9.5
10.8		33.2	53.6	
9.2	12	34.7	56.1	9.5 G
9.6		37.2	4.4	
8.1		37.2	23.4	8.0 GWa
9.8		58.2	31.5	
8.8	13	4.2	50.9	8.8 –
10.6		45.7	31.7	
9.0		48.2	31.1	9.0 a
9.8	14	19.7	11.9	
10.2		23.9	4.0	
7.6		29.9	38.6	7.8 GSa
10.6		45.9	10.4	
8.6	15	30.9	26.9	8.5 Ga
9.7		34.9	14.1	
10.2		39.9	47.1	
11.0	16	16.9	57.5	
10.0		30.9	46.1	
8.8		51.9	10.1	8.7 b
10.5	17	0.9	59.4	
10.6	18	2.9	24.0	
9.4		17.9	35.8	
8.2		31.9	9.2	8.0 GWb
9.7		37.9	24.9	a
9.8		50.4	1.0	
9.7		51.9	13.5	
8.0	19	35.9	25.9	8.2 Ga
10.2		42.9	8.8	
9.6	20	4.9	18.9	a
10.8		29.4	32.5	
8.2	21	57.9	32.7	8.0 a
9.4	22	42.6	14.5	
9.8		46.8	19.0	
10.1	24	12.8	14.7	
8.0		23.8	30.6	7.8 Ga
9.2		36.8	54.8	9.5 a
10.1	25	14.8	9.6	
9.3		40.3	42.6	
9.3	26	42.3	0.8	
8.7	27	16.3	44.0	8.5 a
10.1		42.3	24.4	
9.8	28	11.8	12.1	
8.8		16.3	56.8	9.5
7 6		17.3	25.5	7.8 GSb–
8.2		46.3	16.8	8.0 G
9.8	29	8.8	28.7	
10.1	30	53.3	1.3	
9.8	31	57.8	28.5	
9.8	32	5.8	25.4	9.5
25pr.	+1	10.5	+7.9	

181—240.

mag.	1h.–2h. m	s	—29° ′	
9.6	32	36.8	18.2	
8.9		37.8	12.0	9.0 a
7.2	33	31.8	39.4	7.5 GSa
8.6	36	41.9	12.7	9.0 Ga
10.1	38	29.9	48.6	
7.8	39	12.9	21.1	7.3 GSal
10.0		17.4	38.9	
8.1		20.4	10.2	8.0 Gal
9.4	40	30.4	46.1	
8.7	41	39.6	25.0	8.9 a
8.2		43.1	18.5	8.2 Ga
9.2		49.1	32.3	b
9.4	43	0.1	53.6	8.8 a
10.0		25.1	12.5	
10.0		35.1	50.0	
10.1		42.1	3.1	
9.3		53.6	54.3	a
9.8	44	11.6	43.8	9.3 a
8.1		15.1	39.7	7.2 GSa
8.6		51.1	16.3	8.2 b
10.1	45	31.4	37.7	
8.7		32.1	12.0	9.2 Ga
9.4		52.9	13.4	9.2 Ga
9.3		58.9	26.0	a
9.4	46	23.5	38.8	
9.6		32.5	11.3	9.0 Ga
10.2		58.5	39.4	
9.0		59.0	17.1	a
10.2	47	14.5	57.9	
10.2		52.5	41.4	
10.2	48	33.0	54.7	
9.2	49	10.0	44.0	9.0
7.8	50	10.0	43.6	7.8 GSb
8.6		54.0	29.0	8.0 Ga
8.2	52	12.5	27.4	8.0 Gb
8.2		24.5	25.4	7.8 Gb
10.2		34.5	50.6	
8.6	54	22.5	40.0	9.0 a
9.6	55	36.5	36.2	
9.6	56	6.5	58.1	a
9.9	58	6.0	56.7	
9.8		9.0	7.0	
9.8		33.5	47.1	
9.9		33.5	26.2	
4.1		53.5	53.8	5.0 GSlπ
9.4		56.5	9.4	
8.0	59	39.0	9.4	7.5 Ga
9.8	0	12.5	23.5	
8.8		34.5	49.3	9.0 a
9.4	1	24.5	17.4	
8.2		50.0	29.4	7.5 Ga
8.8		59.8	55.7	9.0
8.8	2	36.3	19.7	8.5 Ga
9.4		57.8	8.7	9.0 Ga
10.2	3	17.3	5.1	
9.4		36.8	44.8	
9.0		46.3	31.7	9.0 a
8.5	4	7.3	35.9	7.2 GWa
8.6		9.8	11.7	8.5 Ga
10.2	5	35.7	30.1	
	+1	8.2	+7.4	

241—300.

mag.	2h. m	s	—29° ′	
9.4	5	39.7	45.9	9.0 a
9.8	6	2.2	13.3	
8.6		28.2	32.7	8.5 GWa
8.8		39.2	34.9	9.0 W
9.2		43.2	49.9	9.5 G
9.0	7	51.7	16.5	9.0 a
8.5		51.7	33.3	Wa
10.2	8	3.7	43.0	
9.2	9	2.4	9.5	
9.9		11.4	56.5	
8.8		26.2	46.2	Ga
10.2		26.2	54.3	
9.4	10	13.9	14.4	9.0 Ga
8.3		33.4	10.0	8.0 Ga
10.2	12	13.1	6.6	a
10.2		23.1	21.4	
9.4		50.1	54.0	
9.8	13	28.6	24.0	
8.3		32.1	30.0	7.8 Gb
9.4	14	59.6	25.5	9.0 Ga
9.6	15	38.1	18.7	a
8.0	16	29.1	55.2	8.0 Ga
8.0	17	40.1	36.6	8.0 Ga
9.2		46.6	48.6	9.0 G
8.2	18	13.6	48.7	8.5 Ga
10.2	19	3.6	22.5	
9.4		10.5	24.1	
8.0		13.5	13.0	8.0 Ga
8.8		17.0	26.8	
9.0	20	1.5	33.0	9.0 G
9.0		18.0	19.4	8.5 Ga
8.2		51.0	42.3	8.8 Ga
10.2	21	1.0	3.2	
9.0		10.5	39.1	
9.0		26.0	59.2	Ga
9.8		28.0	46.1	
8.4	22	26.5	21.4	8.5 Ga
10.0		28.5	46.0	
10.0	23	8.0	50.0	9.0 G
9.4	24	25.5	21.1	
9.4	25	0.5	13.1	9.2
8.2		2.2	11.6	8.8 Ga
9.0		36.2	4.3	
8.0		36.7	20.3	8.8 Ga
10.2	26	19.2	29.9	
9.4	27	55.7	7.1	a
9.6	28	5.2	25.9	
9.6		15.2	22.8	
8.3		26.7	58.6	8.0 Ga
10.4		54.7	17.7	
9.8	29	8.2	39.3	
7.4		44.2	14.7	7.8 GSa
9.8		57.2	30.6	
9.4		58.2	34.4	
9.8	30	2.2	45.3	
10.4		13.2	6.5	
10.0		24.7	3.3	
10.0		39.7	42.5	
8.6		40.7	28.3	8.5 Ga
10.2		52.7	40.6	
	+1	6.0	+6.8	

301—360.

mag.	2h.–3h. m	s	—29° ′	
7.4	31	39.2	32.2	7.2 GWa
8.3	32	14.8	52.0	8.5 Gb
9.8		26.3	29.1	a
9.8		50.8	6.2	
10.0		52.2	58.2	
9.2		58.9	19.0	a
10.6	33	56.5	6.6	
9.9	35	0.5	45.0	
9.1	36	31.5	4.9	9.0 –
10.2		53.0	31.4	
8.4		55.5	6.5	8.8 S=
10.0	37	10.0	29.8	a
10.4		37.2	33.9	
10.4	38	12.2	37.6	
10.0		20.7	56.1	
8.6		23.2	20.2	7.5 Ga
9.9		58.7	44.2	a
10.4	39	54.3	46.6	
8.8	40	29.7	11.7	8.5 =
10.2	42	7.2	8.0	
10.2		38.7	7.0	
9.1		54.0	57.6	9.0 G
10.6		56.2	52.8	9.5
9.0	43	12.2	3.9	9.0 b
10.6		12.2	35.7	
10.4		48.7	39.3	
8.8		58.2	34.7	a
9.3	44	11.7	39.7	7.0 Ga
10.6		30.5	57.6	
10.0	45	39.0	25.8	
8.6		39.0	31.0	9.0 Ga
10.4	46	57.0	15.8	
10.4	47	9.0	12.9	
10.2		13.5	16.9	
9.4		49.5	8.6	
10.6	48	3.7	1.3	
9.4	49	1.2	21.4	=
9.9		51.7	20.2	
10.6	50	42.7	42.7	
9.0		54.2	4.8	9.2 Ga
8.0		59.7	27.2	8.2 Ga
7.1	53	46.7	24.3	6.5 GSct
9.8	55	6.7	11.4	
10.4		51.7	21.2	
10.4	56	32.7	35.7	
9.3		53.7	13.5	
10.2	57	52.2	16.9	
9.6	58	3.2	32.3	9.0 Ga
9.0		28.7	43.9	8.5 Ga
10.0	59	20.0	57.4	
9.6†		44.5	2.1	
10.0	0	6.8	26.7	
10.0		25.0	36.8	9.0 a
9.4		35.5	25.1	9.0 a
8.8		51.5	17.7	8.8 Ga
10.2	1	48.5	29.0	
9.8	4	36.5	30.2	a
8.8	5	38.5	54.9	8.5 Ga
10.0	6	16.5	33.3	
7.6		33.5	37.9	7.5 GSlπ
	+1	4.2	+6.3	

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361—420.

mag.	3h. m	s	—29° ′	
9.6	6	44.8	38.9	9.2
4.2		46.5	28.5	3.8 GSπβ
8.8		54.0	33.9	9.0
8.0	7	14.5	53.6	
7.9		36.5	14.6	7.8 Ga
7.6	8	8.5	26.3	8.0 GW
9.2		20.0	5.9	9.0 Ga
10.2		58.8	43.9	
9.6	10	19.0	29.6	9.5 a
10.4		32.8	44.8	
8.0		48.0	5.8	8.5 Ga
10.0	12	7.0	1.8	
10.0		14.0	15.6	9.0
10.0		38.5	51.6	
6.0		46.5	15.2	6.0 GSb
10.4	13	0.5	44.2	
10.0		16.5	30.0	
8.2		27.1	58.4	8.7 a
9.8	14	33.6	46.1	
8.2		44.1	26.7	7.5 Ga
8.2		46.1	14.1	8.2 Gb
7.6		46.6	18.3	7.2 Ga
9.8	15	45.1	52.4	
9.2	16	3.6	19.1	9.0 G
9.8		11.6	51.5	
10.0		46.6	56.1	
9.4	17	48.6	28.2	
8.6		55.6	48.7	9.0 G
8.2	18	33.1	34.1	8.8
9.4		41.6	27.9	9.2
9.4	19	52.6	5.1	
10.0	21	6.8	58.5	G
8.9		12.3	59.1	9.0 Ga
9.4	23	2.3	51.8	8.8 Ga
10.4		16.8	34.6	
9.4		53.8	25.4	8.3 G
10.3	24	37.8	44.6	
9.4		40.3	49.5	a
10.3		51.3	48.4	
9.4	25	46.3	30.1	8.5 a
9.8	26	9.8	52.8	9.5 G
10.2		28.3	5.1	
8.0		54.3	26.4	8.5 Ga
8.6	27	21.8	6.0	8.8 G
9.8		25.8	35.5	
8.8		25.8	38.2	9.0 Ga
10.4		53.6	59.3	
8.5	28	20.6	25.4	
9.4		22.8	40.1	
8.8		42.6	38.7	9.0
10.3	29	38.1	46.1	
9.8		45.1	15.6	9.0 G
8.6	30	6.1	30.5	8.2 G
10.0		8.1	57.7	
9.8		21.1	9.7	
10.0		25.1	45.4	
9.2		33.6	7.5	9.2
9.4		42.8	57.0	
8.2	31	2.1	9.9	8.2 Ga
10.3		37.1	6.1	
25pr.	+ 1	2.4	+ 5.4	

421—480.

mag.	3h. m	s	—29° ′	
9.8	31	47.6	47.8	
10.0		47.6	54.1	
10.4	32	17.6	43.6	
9.8	33	10.6	5.5	
9.4		51.1	43.1	
8.4	34	24.6	30.4	8.0 Ga
9.8	35	27.6	17.1	
9.8	36	6.1	30.0	a
9.4		32.1	14.1	8.8 G
8.6		41.1	11.4	8.8 G
10.3	37	3.6	48.0	
10.3		12.1	45.8	
10.0		42.6	2.6	
9.8	38	4.6	54.5	
10.3		12.6	52.9	
9.4		14.1	46.3	a
9.4		19.6	49.2	
9.4		22.6	54.1	
9.8		39.6	55.4	
9.4		40.1	41.7	
7.3		49.6	1.5	7.2 GSa
10.0	39	53.1	58.2	
10.0	40	5.1	18.6	
10.3		41.6	29.7	
10.2	41	14.6	2.1	
6.0		21.6	43.6	6.5 GStπ
10.4		24.6	7.7	
9.8		26.1	28.4	
9.2		38.1	35.9	
10.3		40.1	0.4	
7.4	42	17.1	51.2	7.2 GStπ
10.4		30.6	44.8	
10.0		49.1	33.3	
9.2	43	40.6	37.7	9.0
9.4	44	0.6	8.4	9.0 G
10.4		40.1	14.1	
10.4		42.8	0.5	
10.4	45	23.7	39.7	
8.6		54.6	46.8	8.0 Ga
9.8	46	1.3	13.3	
10.2		5.4	38.7	
9.6		30.2	56.1	
8.2		44.8	12.7	8.3 Ga
9.6	47	42.8	48.5	
9.4	49	29.3	21.9	a
10.2		38.4	36.5	9.5 a
10.1		42.8	27.7	
8.9		55.8	34.8	8.8 Ga
9.2		59.8	45.9	
10.2	50	1.3	31.6	
10.0	51	17.8	12.4	
10.2	52	13.8	51.7	
10.2		18.2	8.7	
10.0		19.3	2.3	
9.9	53	59.8	42.9	
9.0	54	6.8	55.0	9.2 Ga
8.6		22.8	7.9	9.0 GWa
10.0		23.8	18.1	
8.6		33.8	41.6	9.0 a
9.8		59.3	23.6	
	+ 1	1.2	+ 4.7	

481—540.

mag.	3h.–4h. m	s	—29° ′	
10.1	54	59.8	9.8	
10.2	55	8.9	2.2	
8.5		21.3	35.4	9.0 Ga
10.0		42.3	7.5	
10.2		57.4	0.0	
9.1	56	36.3	31.6	a
9.8		51.8	53.0	
9.3	57	30.6	1.0	9.5 a
9.6		35.3	14.1	
9.2		42.3	58.4	
10.0	58	36.3	43.0	
9.7		54.3	13.3	
10.0	59	20.3	24.0	
8.8		23.3	51.4	
9.6		39.8	37.9	
9.4		46.3	59.3	
9.6		48.3	7.4	
9.4		48.3	15.8	
9.9	0	26.3	43.4	
9.8		38.8	29.5	9.5
10.2		58.3	10.3	
8.4	2	1.3	8.9	8.5 Ga
8.8		15.3	1.7	8.8 a
9.8	3	21.3	28.7	
10.2		22.3	21.3	
10.2		34.8	21.1	
9.8		38.3	38.3	9.5 G
10.2		38.8	48.6	
9.9		54.7	58.8	
7.9		54.8	14.3	7.8 GSa
10.0	4	0.3	34.7	
9.9		2.3	57.8	
9.0		14.3	7.2	8.1 Ga
9.6		45.7	2.0	
9.9		59.8	15.0	
10.2	5	25.3	55.1	
9.9		33.8	23.8	
9.9		39.8	55.2	
9.0		52.3	22.8	9.0 a
9.4		55.8	18.8	9.5 a
9.6	6	13.3	20.2	
10.0	7	3.0	31.5	
8.5		28.5	25.2	Ga
9.6		32.5	7.9	
10.2		37.5	6.1	
10.2		50.5	48.3	
9.7	8	1.5	31.2	
9.1		11.5	43.6	
9.4		46.0	36.7	
9.6		53.5	30.4	
9.1	9	1.5	23.5	9.0 Ga
10.2		20.2	35.5	
9.2		35.3	59.9	
10.0		40.1	33.7	
10.4	10	12.2	44.1	
8.5		12.2	14.0	8.2 G–
9.0		13.1	15.6	8.8 G
9.5		21.2	53.1	
8.4	11	2.2	27.9	9.0 G
9.6		12.2	6.3	
	+ 1	0.2	+ 4.1	

541—600.

mag.	4h. m	s	—29° ′	
10.2	11	31.2	28.0	
8.5		45.2	35.8	9.0 G
9.8		53.7	54.2	
8.0		55.2	12.2	8.2 Gb–l
9.2	12	39.7	41.3	
10.4	13	0.2	14.1	
9.2		31.2	15.1	
10.4		41.2	30.3	
9.5		44.7	32.1	
9.0		45.2	12.2	
9.8		49.2	3.0	
8.2	14	32.7	5.4	7.9 GWal
10.4	16	1.6	22.5	
9.0		30.9	13.0	9.0 a
9.2		35.9	51.2	9.5
10.4		44.9	4.2	
10.4		49.9	47.4	
10.4	17	15.9	28.6	
8.6		18.9	39.4	9.0
9.0		25.9	27.2	
10.4		53.8	2.2	
8.8	18	43.3	3.2	8.8 Ga
9.6		46.4	5.9	
10.1	19	26.9	21.8	
8.4		32.5	30.2	8.8 G–
9.0		42.0	7.7	9.1 Ga
10.0	20	6.0	31.1	
8.9		7.5	42.1	9.0
8.7		12.0	11.4	8.8 a
10.2		20.5	37.0	
10.0		37.0	44.0	
8.6		48.9	2.3	8.8 a
10.2		52.0	53.1	
9.8		55.7	27.5	
9.3	21	19.5	3.9	
10.4		26.7	6.0	
8.8		39.0	14.0	9.0 Ga
8.9		54.5	36.9	9.5 G
8.9	22	7.5	37.1	9.5
8.9		19.5	28.3	9.2
10.4		22.0	44.0	
8.0		28.5	28.8	8.0 GSal
9.0		57.5	29.5	9.0 a
9.2	23	20.0	49.7	
10.2	24	9.5	4.2	
10.1		44.0	35.2	
8.2		44.5	18.1	8.0 GSb–
7.9		58.8	9.2	7.6 GSb–
10.2		59.0	47.9	
10.2	25	8.3	48.3	
10.1		8.3	10.9	
9.0		15.3	30.8	
10.0		24.8	30.6	
9.2		39.8	47.3	
8.9		41.3	33.8	9.0 G
10.4	26	13.3	36.3	
7.8		21.3	9.1	7.5 GSbl
9.0		24.3	41.9	9.0
9.2		48.3	35.7	
10.4		49.3	42.6	
	+ 0	59.7	+ 3.5	

SO 11705.

601—660.

mag.	4h. m	s	−29° ′	
9·0	27	5·8	56·2	
8·0		6·3	4·3	7·5 GSal
9·3		14·3	29·6	
10·0†		22·8	1·9	
9·8		30·5	58·4	
9·8		44·5	27·6	
9·6		53·5	39·0	
10·0	28	37·0	42·7	
8·6	29	5·5	27·9	9·0 a
10·4		34·5	2·3	
9·2		45·0	33·6	
10·0		49·5	10·7	
8·7	30	17·5	53·8	
8·4		18·5	36·9	9·0 Ga
9·2		52·5	16·2	
9·4	31	10·5	52·2	
10·2		32·5	23·1	
8·2	32	4·5	12·4	8·5
8·7		11·0	32·9	9·0
10·1		49·0	51·9	
10·4	33	27·6	10·0	
11·0	34	37·1	9·9	
10·6		53·8	33·6	
9·4	35	16·3	56·0	
10·8		30·3	31·5	
9·1		32·8	49·0	9·2 a
9·1		32·8	49·2	
9·8		58·3	14·8	
8·2	36	2·8	37·5	8·8 Ga
9·1		22·3	54·6	
11·0		28·6	1·0	
8·6		36·3	17·6	9·2
11·0		50·3	53·7	
11·0		56·1	23·8	
10·6		58·3	42·9	
10·6	37	0·8	1·5	
10·4		4·3	46·1	
8·2		8·8	52·4	8·7 a
8·8		25·8	56·8	9·0
9·9		30·6	57·2	
10·8		55·6	23·5	
11·0	38	14·1	40·2	
9·9		47·6	8·5	
10·8		56·6	30·2	
10·6	39	12·6	56·4	
9·7		39·6	3·2	
9·6		45·6	35·9	
10·3		48·1	37·8	
9·2	40	56·6	33·9	
9·9		58·1	6·0	
9·4	41	3·6	1·0	
8·4		8·1	17·4	8·8 a
11·0		40·6	11·2	
11·0		42·6	44·9	
9·0	42	1·6	30·9	9·5
7·8		4·1	38·0	7·5 GSa
10·6		6·6	49·2	
7·8		7·9	59·2	8·8 GW
10·8		41·6	50·9	
10·4		44·6	23·4	
25pr.	+0	59·1	+3·0	

661—720.

mag.	4h. m	s	−29° ′	
9·2	42	52·6	0·2	
10·4		58·1	23·3	
11·0	43	8·6	50·2	
9·9		10·6	3·5	
9·6		13·6	2·1	
9·4		15·6	34·4	
11·0		30·6	12·8	
10·8	44	27·6	43·3	
11·0		52·6	56·8	
10·6		52·6	45·8	
9·4	45	2·6	16·1	
11·0		16·6	3·4	
9·1		33·1	53·6	9·5
10·4		44·6	54·2	
9·4		46·6	20·8	
8·1		49·4	59·4	8·7 Ga
10·3	46	3·4	55·3	
10·8		38·4	1·5	
10·8		52·4	25·0	
11·0		54·5	28·0	
8·4	47	25·4	38·4	8·8 a
9·9		27·4	6·5	
9·9		32·9	6·9	
10·2		46·0	57·0	
9·7	48	3·9	42·7	
9·0		16·4	54·4	
10·3		18·4	42·8	
9·2		31·9	5·0	a
10·3		45·9	17·3	
8·8		53·4	11·2	9·2 Ga
11·0		53·9	54·0	
9·2	49	8·9	43·7	
11·0		14·4	54·3	
8·4		44·9	5·2	8·0 GWa
9·0		45·4	9·7	10·0 G
9·4		45·9	14·8	
9·8		46·4	8·0	
9·0		50·4	13·4	9·2 Ga
9·0		56·4	45·7	9·0 –
10·3	50	2·9	44·0	
11·0		6·5	27·4	
10·4		38·8	2·3	
10·4		39·9	4·0	
9·7		46·4	25·5	
10·4		46·9	43·0	
10·8		53·4	42·3	
11·0	51	1·9	30·2	
10·6		6·4	54·6	
9·1		15·4	39·7	9·5 –
10·8		18·4	23·5	
11·0		26·5	28·4	
11·0		45·9	18·5	
9·9	52	33·0	57·7	
9·0		34·9	21·3	9·5 a
10·6		42·0	57·9	
9·4		43·4	42·9	9·5
10·0	53	0·9	58·2	
9·9		16·4	11·8	
10·0		23·5	3·9	
10·6		30·8	41·1	
	+0	58·8	+2·5	

721—780.

mag.	4h–5h. m	s	−29° ′	
10·8	53	30·8	19·6	
11·0		35·8	18·8	
8·5		38·3	4·8	7·5 GSb≥
10·6		56·3	27·5	
9·9	54	0·8	5·0	
9·4		16·3	38·2	
10·8		34·3	42·0	
9·4		37·3	31·3	8·8 G
9·9		40·3	8·6	
11·0		54·3	7·2	
11·0	55	3·3	49·8	
8·6		4·3	45·7	8·2 GWb
8·6		4·3	3·4	8·8 Gb
9·4		6·8	19·4	
11·0		8·8	43·8	
9·1		16·3	11·2	
11·0		26·3	20·8	
10·6		32·3	23·0	
9·1		32·3	13·3	
10·2	56	24·3	11·8	
11·0		30·8	25·1	
9·6		36·7	56·3	
10·2		48·3	12·7	
10·3		55·3	6·8	
9·8	57	7·8	31·6	
9·9		24·6	0·0	–
9·6		27·3	45·9	
9·9		38·6	9·8	
10·8	58	2·8	21·5	
8·6		3·0	58·9	9·0 =
10·8		8·3	0·2	
10·6		10·3	42·4	
10·8		15·8	18·9	
8·8		27·1	5·8	8·8 Ga
9·2		36·8	5·3	9·3 Ga
9·0		43·1	8·7	9·2 G
8·8	59	7·1	59·4	8·7 Ga
10·1		16·6	57·5	
10·0		20·9	55·1	
10·6		43·9	8·4	
10·0		52·9	47·8	
10·1		56·9	37·0	
10·0	0	0·4	45·8	
9·0		6·9	12·3	
10·5		50·6	59·2	
10·6	1	7·4	19·0	
11·0		36·4	45·3	
10·5		50·4	15·8	
10·5		56·9	53·8	
9·4	2	4·9	46·1	
9·7		26·9	52·8	
9·7		29·5	20·8	
11·0		42·5	39·6	
8·4		44·5	8·6	8·0 GWa
10·5	3	12·5	55·9	
9·3		23·5	20·9	9·0 a
9·4		42·5	31·5	
8·8		49·5	3·7	9·2
10·4	4	20·8	0·9	
8·6		30·5	27·4	9·0 a
	+0	58·6	+2·2	

781—840.

mag.	5h. m	s	−29° ′	
10·5	4	32·0	11·9	
9·2		42·5	22·6	8·5 a
8·8		47·0	12·8	8·8 a
10·4		48·2	59·9	
10·8		50·5	14·4	
9·5		55·5	10·6	
10·4	5	21·0	33·6	
10·1		23·5	29·9	
9·8		27·0	42·4	
10·5		27·5	30·4	
10·1		27·5	14·7	
10·0		28·5	6·9	
8·2	6	2·5	54·2	8·5 a
9·0		13·5	46·5	9·0
8·1		21·5	44·9	8·0 Ga
8·8		43·5	42·8	8·2 Ga
11·0	7	20·5	36·5	
9·4		24·5	36·0	
10·1		40·0	23·6	
9·2	8	8·5	45·7	8·5 a
9·8		18·5	46·5	
8·4		19·5	24·5	8·5 G
9·0		26·5	9·3	
10·2		50·0	39·8	
9·3		53·5	26·5	
10·4		56·5	34·4	
10·6	9	5·5	13·0	
10·6		24·0	58·2	
9·7		32·0	57·8	
10·0		36·5	8·1	
10·0	10	3·2	47·3	
9·7		5·2	20·0	
9·5		14·2	1·0	
9·6		18·7	23·5	
8·0		30·7	54·0	7·5 GSb=
10·4		38·2	17·9	
7·9		41·2	39·2	8·5 G≥
9·0		52·2	55·2	9·2
10·8	11	10·2	45·9	
8·6		14·2	53·2	8·7 G–
9·4		15·2	27·2	
7·9		26·2	34·4	8·5 G–
9·6		26·7	44·6	
10·8		33·2	23·5	
9·2	12	4·7	8·0	
9·8		32·9	1·7	
10·0		44·2	14·5	
10·4	13	6·7	51·1	
9·4		16·2	3·8	
8·4		22·7	42·5	8·8 a
9·0		27·2	34·3	
10·6		37·2	7·8	
7·7		52·4	0·3	8·2 Wa
10·5	14	12·2	43·0	
10·8		46·2	39·6	
10·8	15	0·5	56·7	
10·6		4·7	24·4	
10·4		6·2	49·4	
8·8		13·2	49·2	9·0
8·6		33·7	56·7	9·0
	+0	58·4	+1·8	

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841—900.

mag.	5h. m s	—29° ′	
10·0	15 43·0	59·8	
9·0	46·2	51·2	
10·6	49·7	37·3	
7·2	53·2	20·0	7·0 GSa
9·0	59·7	17·0	
10·8	16 10·2	17·0	
8·8	13·0	19·6	9·0 a
9·8	21·0	44·4	
10·5	43·5	30·2	
9·5	17 3·0	54·4	
10·6	7·0	16·3	
9·7	10·5	52·8	
10·8	18·3	2·4	
8·8	42·0	50·4	9·5 G
9·0	58·0	14·6	
10·4	18 14·5	28·5	
10·6	25·5	44·8	
8·6	42·0	38·0	9·5 a
9·2	54·5	26·4	9·5
9·7	19 29·0	3·4	
9·0	44·0	24·2	9·0 a
9·0	44·0	5·8	9·0 a
10·8	47·0	33·8	
9·0	49·5	5·3	9·5
9·7	59·0	36·4	
10·8	20 17·0	13·6	
10·4	28·0	17·4	
9·3	56·0	14·0	
10·1	57·5	54·0	
10·2	21 1·5	50·5	
8·8	7·8	23·5	
10·4	8·0	28·8	
10·1	9·8	11·9	
10·2	17·8	46·0	
11·0	33·2	16·9	
9·8	33·8	45·2	
8·6	22 3·3	10·1	
10·2	22·5	40·6	
10·5	26·0	35·6	
11·0	32·6	11·0	
11·0	35·8	9·8	
10·5	36·0	35·9	
9·6	49·1	21·8	
10·5	49·1	25·4	
10·2	53·1	47·7	
8·3	23 2·1	40·8	8·5 GW>
9·8	18·6	2·1	
8·9	34·1	27·8	9·0 GW=
8·6	39·6	27·2	8·5 GW=
10·0	42·6	7·4	
10·0	47·9	56·8	
9·8	51·6	26·8	
9·5	24 8·6	37·5	
9·0	14·1	37·8	
9·6	41·6	24·1	
10·2	25 5·1	41·3	
10·2	35·3	1·2	
10·4	47·7	59·2	
10·2	26 24·1	28·9	
10·2	27·4	59·4	
25pr.	+0 58·2	+1·4	

901—960.

mag.	5h. m s	—29° ′	
10·5	26 29·1	12·4	
10·5	36·4	40·5	
8·3	44·1	45·0	a
9·0	59·6	7·4	
10·4	27 2·4	56·8	
9·0	13·1	30·8	a
10·4	16·4	26·0	
10·0	28·6	9·4	
10·0	44·6	7·1	
9·4	28 11·2	57·9	
10·0	16·0	32·1	
9·0	34·5	43·7	=
9·2	37·5	31·5	–
10·0	49·0	56·7	
9·8	50·5	14·7	
9·0	56·5	5·3	9·0 –
10·5	29 0·0	29·3	
6·6	3·5	56·3	6·6 GSac
9·0	9·5	48·1	9·2
9·4	32·5	40·6	
9·4	33·5	16·1	
10·2	50·0	26·5	
10·4	30 4·5	52·7	
9·8	11·3	59·2	
9·8	18·1	21·9	
10·0	33·6	47·0	
10·4	55·1	54·3	
9·2	55·1	10·2	
10·4	31 12·1	37·6	
9·8	16·6	33·2	
10·0	52·6	7·1	
10·5	32 35·5	51·1	
8·3	59·0	0·8	7·3 GW≡
10·5	33 0·6	28·1	
10·0	9·0	0·2	
9·0	28·0	25·6	
10·2	41·0	24·0	
9·5	50·5	15·3	
9·8	34 17·5	54·0	
9·8	23·7	2·4	
8·3	26·0	46·8	8·0 Gatπ
10·0	33·5	32·8	
8·6	57·5	42·0	9·0 a
9·2	35 3·0	50·5	9·5
10·4	8·5	19·4	
10·0	14·0	23·4	
10·0	15·5	22·1	
10·5	18·5	31·8	
9·4	21·5	10·0	9·5
9·6	35·6	32·8	
10·4	36 2·6	38·1	
8·0	3·1	47·2	7·5 GSa
9·6	3·6	10·3	
9·5	21·6	43·3	
10·0	32·6	54·2	
9·8	53·6	6·2	
9·4	37 1·1	9·0	
9·4	1·1	5·6	
10·5	10·1	22·4	
10·5	14·1	55·9	
	+0 58·0	+1·1	

961—1020.

mag.	5h. m s	—29° ′	
10·0	37 32·6	22·0	
10·4	55·6	45·6	
9·4	56·6	22·0	G
8·3	38 2·1	23·3	8·8 Ga
10·2	11·3	59·8	
9·8	48·6	55·4	9·5 G
10·0	39 41·1	3·2	
10·2	42·1	6·2	
9·0	46·6	30·6	
9·8	46·6	35·5	
8·3	51·4	58·0	8·0 Ga
10·0	40 0·3	0·0	
8·8	2·1	53·4	9·0 b
9·4	2·6	14·2	
9·4	10·6	49·2	9·0 b
10·2	17·6	15·9	
9·5	18·6	35·4	–
8·7	31·4	57·8	9·0 a
9·8	34·6	24·2	
10·2	42·9	12·4	
10·4	43·6	11·2	
10·4	49·4	0·8	
9·6	50·4	49·1	
10·0	58·4	23·8	
8·3	41 1·9	8·5	9·0 =
9·4	10·9	47·1	
10·0	11·4	7·6	
10·2	28·0	19·1	
9·2	34·0	3·5	
10·4	41·0	13·8	
9·5	54·0	58·7	
9·6	42 1·5	11·0	
10·0	4·5	27·2	
9·8	6·0	4·4	
9·4	10·5	29·3	
9·8	10·5	18·4	
10·2	57·0	38·0	
10·2	43 11·0	31·6	
9·5	12·0	36·0	
9·4	24·0	51·6	
10·4	32·0	30·8	
10·2	39·0	25·1	
9·6	46·5	44·1	
10·2	56·5	8·9	
10·5	44 3·5	30·5	
9·2	14·6	4·7	–
10·2	20·6	56·5	
10·2	22·6	42·0	
8·7	24·6	37·5	8·5 G–
8·7	34·1	36·0	8·0 G=
9·2	37·1	10·7	
10·5	45 3·5	23·8	
9·8	22·4	15·1	
10·5	28·6	38·0	
10·4	31·1	17·4	
10·4	34·1	7·9	
10·5	36·5	17·0	
10·4	42·6	16·7	
8·7	46·6	53·1	9·0 G=
8·3	54·1	9·1	8·5 G–
	+0 58·0	+0·7	

1021—1080.

mag.	5h. m s	—29° ′	
10·4	45 58·1	6·3	
8·8	58·4	8·3	8·8 G–
9·6	46 0·4	12·3	9·5 G
10·4	7·6	57·5	
10·4	34·1	37·8	
9·1	41·7	36·1	9·5
9·1	53·1	1·1	9·5
10·0	56·7	51·6	
10·2	59·7	33·5	
10·4	47 6·2	54·9	
7·9	10·7	28·8	6·2 GSb≡
10·0	25·7	58·4	
9·7	32·7	12·5	
9·0	33·2	20·6	
10·4	35·7	39·0	
8·8	36·7	8·8	7·2 b
10·0	39·7	54·7	
9·0	48 1·2	3·8	9·5 b
9·4	18·7	38·1	
10·4	20·6	44·2	
9·0	27·2	46·7	
9·1	48·7	14·6	
9·2	55·7	2·0	9·2 a
9·4	49 4·7	1·4	
9·2	11·7	47·0	–
8·6	17·7	7·7	8·8 Ga
10·4	22·7	40·8	
7·3	23·7	10·3	6·7 GSac
9·9	43·7	49·8	
9·4	53·2	13·7	
9·1	50 14·2	6·3	9·0 Ga
8·8	17·7	44·1	9·0
10·4	33·4	24·2	
8·2	48·4	9·4	8·3 GWa
8·0	48·4	56·3	8·0 GW–
8·6	50·9	59·3	8·0 GW–
9·9	53·4	47·2	
8·6	51 8·4	53·2	9·0
9·7	15·9	54·6	
9·4	47·9	33·9	
9·4	48·9	42·6	
9·8	58·4	16·0	
10·0	52 12·4	28·5	
9·7	22·4	6·1	
9·0	56·4	11·8	9·0 Ga
8·0	53 23·9	7·4	7·8 GWb
10·0	25·4	16·2	
10·4	30·4	16·5	
9·8	58·4	49·7	
10·4	54 33·4	47·2	
10·4	55 2·4	50·6	
10·4	12·4	30·4	
8·4	12·4	12·8	7·8 GWa
9·2	13·9	8·3	10·0 a
10·2	16·4	16·3	
10·4	21·9	3·2	
9·7	28·4	18·7	
10·0	32·4	17·9	9·5
10·0	55·4	36·2	
9·0	56 9·4	55·8	–
	+0 57·9	+0·4	

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1081—1140.

mag.	5h.–6h. m	s	−29° ′	
10·0	56	32·9	37·4	
10·4		36·4	33·6	
9·0		40·2	31·0	=
9·0		53·2	52·8	9·0 a
8·8		56·2	25·5	=
9·7	57	2·2	44·1	
9·0		10·2	57·9	8·8 Ga
10·2		32·7	40·3	
10·4		37·2	22·2	
10·0		48·7	43·5	
8·6	58	0·2	59·8	8·0 Gb
10·2		18·7	41·9	
10·0		29·7	39·5	
10·4		31·2	38·1	
10·4		40·2	45·5	
10·4	59	0·2	38·4	
9·4		16·7	53·2	
7·6		17·2	19·9	8·2 GSat
9·2		20·2	30·2	9·0
10·4		33·2	23·3	
9·0		38·2	37·6	9·0 a
9·4		46·2	32·7	
9·2		51·2	6·3	
9·9		52·7	49·5	
10·4	0	2·2	58·1	
10·0		9·2	10·9	
9·2		10·7	27·6	
10·2		23·2	7·8	
10·4		38·2	15·7	
9·4		47·9	2·4	9·0 Ga
9·4		53·7	33·1	
9·9	1	1·2	14·0	
9·5		3·7	59·1	
10·0†		4·7	2·9	
9·4		13·2	48·3	
5·8		16·7	44·8	5·0 GSct
10·4		27·5	1·0	
9·4		27·7	3·8	
9·2		41·2	28·5	9·5
8·6		47·2	36·1	9·0 G–
9·8		54·2	1·8	
9·8		56·3	57·9	
8·8	2	14·2	6·6	8·5 Ga
10·4		15·2	27·9	
9·2		22·2	34·7	
10·4		35·2	16·1	
9·8		48·7	38·1	
9·2		50·7	23·0	
10·0		58·5	24·4	
9·2	3	2·0	27·4	
9·0	4	5·0	23·4	9·0 –
10·2		10·5	47·5	
9·2		32·0	20·1	10·0
10·0		33·0	52·9	
10·0		36·0	7·8	
8·8		55·5	26·2	8·0 G–
10·0		57·0	33·3	
10·4	5	11·0	21·2	
7·4		19·5	47·7	8·0 GSb≥
9·2		20·0	48·7	–
25pr.	+0	57·9	0·0	

1141—1200.

mag.	6h. m	s	−29° ′	
9·0	5	40·0	18·9	9·0
9·0		49·0	45·0	9·5
9·4	6	4·5	15·5	
10·4		13·9	18·8	
10·4		15·5	36·5	
9·0		16·0	59·7	9·0 –
9·7		16·0	51·2	
10·4		18·0	0·2	
9·2		24·5	8·7	9·5
10·4		30·0	48·8	
10·2		45·8	0·1	
10·4	7	14·0	8·0	
9·2		37·0	25·6	9·0 –
9·9		43·0	5·7	
9·0		57·0	53·0	9·0 G
9·8		59·0	41·9	
10·4	8	16·0	55·5	
10·4		21·5	50·1	
9·0		22·0	24·1	8·5
10·0		22·5	46·9	
10·4		31·7	28·2	
6·6		43·7	21·6	7·0 GSa
9·0		45·7	51·9	8·8 a
10·0		48·2	37·5	
9·7		58·7	40·9	
10·0	9	20·7	34·3	
10·4		31·7	39·7	
9·2		34·3	8·8	Ga
10·0		40·4	4·2	
7·4		41·2	34·1	7·0 GSa
10·2		43·5	18·0	
10·4		44·7	20·1	
10·4		48·7	20·7	
9·6		53·7	48·9	
10·4		55·2	33·3	
10·2		55·3	56·7	
9·2	10	2·8	27·4	9·2 a
10·2		3·2	0·4	
7·5		11·8	19·6	7·5 GSb
9·8		25·6	12·5	
10·0		29·1	50·5	
10·2		49·1	43·1	
10·2		59·1	7·7	
8·2	11	7·6	44·8	6·0 GSct
10·0		27·6	28·1	
9·6		35·8	2·9	
9·4		40·1	24·3	
9·4		49·6	36·9	
9·1		54·1	35·4	
9·6	12	5·6	56·7	
8·8		5·6	16·2	9·0 a
8·6		7·6	49·7	8·3 G=
9·0		11·6	17·7	9·0 Ga
9·2		26·1	33·0	
10·2		28·6	13·8	
10·2		35·6	48·1	
9·0		39·1	23·6	
10·2		46·1	48·9	
9·3	13	0·6	37·2	
8·8		9·6	35·7	9·0
	+0	57·9	−0·4	

1201—1260.

mag.	6h. m	s	−29° ′	
9·1	13	9·6	48·1	9·0 =
9·8		17·6	44·6	
9·4		20·6	8·1	9·0 a
10·2		26·6	18·6	
9·6		28·6	9·4	
10·2		31·6	28·0	
10·0		35·6	2·6	
9·0		41·1	15·1	9·5
9·6		41·1	3·5	
8·6		42·6	19·1	9·0 Ga
10·2		43·6	46·5	
8·6		56·1	23·1	9·0 a
9·6		56·6	10·5	
9·2		58·6	21·2	9·5
10·2	14	5·6	35·4	
10·0		36·6	33·4	
9·6	15	2·6	45·2	G
10·0		20·6	15·5	
8·6		25·6	57·9	8·0 GStπ
8·4		29·6	33·6	7·8 GW–
9·4		33·1	46·9	
9·4		33·1	0·6	10·0
9·8		40·1	24·9	
10·2		41·6	32·4	
10·2		42·6	17·7	
10·2		45·0	12·5	
9·8		49·0	33·5	
9·8		55·0	46·7	
7·9	16	6·0	36·7	7·0 GSa
9·8		9·0	6·4	
10·2		15·0	33·6	
10·2		16·0	7·9	
9·8		22·0	22·8	
10·2		32·7	58·8	
8·2		40·5	5·6	7·8 GSb
9·4		51·5	30·2	
9·3	17	22·0	53·6	9·2
8·4		31·0	47·9	8·5 GSa
10·2		31·0	30·4	
9·6		34·0	13·0	
10·0		34·5	11·1	
10·2		42·5	24·8	
10·0		55·5	47·3	
9·4		58·0	46·1	9·5
10·2		59·0	53·2	
9·8	18	1·0	4·5	
9·8		1·0	7·3	
10·2		7·0	22·0	
9·2		15·0	12·6	
8·6		37·0	57·2	8·7 a
8·2		41·0	47·8	6·8 GSa
8·7		42·5	12·3	8·5 G≡
9·2		53·0	19·4	
10·0	19	1·5	23·5	
9·0		8·5	26·5	
10·2		35·0	52·9	
10·0		41·0	49·8	
10·0		59·0	51·1	
10·2	20	2·0	13·8	
9·2		9·5	49·1	
	+0	58·0	−0·6	

1261—1320.

mag.	6h. m	s	−29° ′	
9·4	20	10·0	18·5	
10·0		12·5	19·4	
9·6		15·0	31·0	
9·8		15·5	45·9	
9·8		21·5	23·1	
9·8		22·0	59·0	
10·2		43·0	33·5	
10·0		45·0	22·0	
9·6		49·0	23·1	
9·8		49·5	36·5	
7·3		50·9	37·8	7·0 GSa
10·0	21	10·4	42·5	
10·0		16·9	54·3	
10·2		24·9	43·1	
10·2		30·9	1·2	
8·8		31·9	3·5	9·5 G–
10·0		36·9	9·5	
9·4		52·9	18·5	
9·0		54·9	42·8	
9·0		56·4	21·5	a
9·4		56·9	36·6	
10·0		57·9	12·0	
9·6	22	2·4	57·6	
10·2		18·4	41·9	
10·2		18·9	2·2	
10·2		21·9	2·0	
10·2		21·9	47·9	
9·6		27·4	13·7	a
9·3		31·9	59·2	
9·2		35·9	41·9	–
10·2		38·4	14·4	
10·2	23	0·9	46·5	
8·8		4·4	59·0	8·8 G≡
9·4		10·9	11·6	Ga
9·8		13·9	36·8	
9·6		18·9	50·2	
10·2		27·9	19·6	
10·0		30·4	13·6	
9·8		43·9	46·5	
9·4		44·9	12·5	9·0 Ga
10·2		45·4	37·8	
9·6		45·9	8·8	
9·0		48·9	1·1	9·0 a
10·2		51·9	26·3	
9·6		59·9	18·1	
9·4	24	10·9	16·0	
9·1		23·9	6·6	9·5
10·2		28·9	27·9	
9·6		35·4	20·0	
10·2		38·9	7·8	
8·6		42·9	24·7	–
9·6		54·9	2·4	9·2 a
9·6		59·9	33·4	
10·2	25	2·9	54·4	
9·4		10·4	46·6	=
10·0		18·4	21·9	
10·2		40·9	58·8	
9·0		48·8	56·5	9·0 Wa
10·0		49·9	27·4	
10·2	26	54·8	14·8	
	+0	58·0	−0·8	

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1321—1380.

mag.	6h. m	s	—29° ′	
9·8	26	54·8	24·4	
9·8	27	1·8	59·0	
8·4		4·8	13·2	8·0 GWa
10·2		29·8	25·4	
10·2		32·3	55·1	
9·3		33·3	45·8	
9·1		35·3	34·3	8·5 a
8·8		47·8	29·5	8·5 Ga
10·0		55·8	45·5	
9·6		56·8	16·0	
9·8	28	11·3	55·9	
9·6		12·8	5·1	
8·8		24·8	40·0	8·0 Ga
8·0		36·3	7·1	≡
10·0		39·8	48·0	
10·2		39·8	59·7	
10·0		40·3	18·9	
9·0		41·8	31·3	8·5 b
9·0		50·8	10·7	=
9·8		54·3	7·8	
9·8		55·8	44·0	8·5
10·0		56·8	23·5	
9·8	29	12·3	49·9	
7·5		18·3	31·9	7·3 GSa
8·7		21·8	38·5	9·0 Ga
9·4		31·8	10·3	
10·0		36·8	32·5	
9·4		36·8	45·1	
9·0		40·8	2·2	
9·0		41·8	37·4	9·0 a
9·4		46·8	5·0	
10·0		48·8	49·5	
10·2		55·8	34·2	
10·0	30	0·8	37·2	
9·0		0·8	13·7	
8·4		5·3	59·8	7·0 GSb≥
10·2		20·8	17·9	
9·6		31·8	19·3	
9·8		54·8	46·4	
9·3	31	3·5	12·8	
9·0		5·1	58·0	9·0
10·2		5·8	45·0	
9·4		8·5	12·9	
10·2		14·5	57·4	
9·0		19·0	17·6	9·5 Ga
9·8		24·5	5·9	
9·3		27·5	11·2	
9·1		29·5	50·9	
9·6		38·0	38·5	
9·8		38·5	15·9	
10·2		42·0	19·8	
9·0		46·5	5·7	a
9·8	32	16·0	37·7	
9·0		16·0	9·9	a
9·6		26·5	43·8	–
10·2		34·0	41·9	
9·2		41·0	55·5	9·2
10·2		45·5	34·9	
9·6		55·0	13·3	
9·6		58·5	56·0	9·8
25pr.	+0	58·0	–1·1	

1381—1440.

mag.	6h. m	s	—29° ′	
9·8	33	3·5	29·4	
9·3		7·5	12·5	
10·2		8·5	22·2	
9·6		9·5	53·8	
10·0		10·5	26·5	
10·2		15·5	0·9	
9·8		17·0	46·8	
9·8		18·5	36·9	
10·2		24·5	2·0	
10·2		27·5	3·7	
10·0		30·5	28·8	
9·4		35·5	59·6	
10·2		36·0	52·4	
9·8		40·0	11·5	
9·8		51·8	57·6	
10·2	34	3·5	12·9	
9·2		7·6	56·9	
10·0		12·0	17·2	
8·4		14·6	3·1	Ga
9·8		15·5	50·1	
10·2		21·5	22·6	
10·2		34·5	4·4	
9·8		39·0	42·3	
9·8		43·6	55·6	–
9·0		58·1	5·3	a
9·0	35	9·1	38·7	–
9·0		24·1	41·9	
9·1		26·6	47·9	
9·4		37·1	50·2	
9·2		40·1	37·3	–
9·2		47·6	50·6	
9·2	36	56·8	0·8	
9·8	37	19·1	26·5	
9·8		23·1	26·7	8·5 a
8·6		26·1	56·3	a
9·6		59·1	29·2	8·5
9·2	38	5·6	33·9	
9·4		12·6	49·0	
7·2		13·6	6·9	7·2 GSb
9·7†		25·6	2·3	
8·0		40·1	30·5	9·5 a
9·5†	39	59·1	0·1	
9·8	40	2·6	24·0	
9·8		22·9	1·4	
9·4		25·7	30·7	
9·1	41	1·2	12·3	8·5
9·2		2·2	57·2	
9·8		12·7	44·2	
9·0		13·2	8·0	8·8 G
7·5		25·2	25·7	7·5 GSa
9·0	42	2·2	3·7	9·0
8·0		4·2	28·3	9·0 G≡
9·8		7·7	2·9	
9·0		32·2	39·5	
9·8		33·2	21·2	
9·2		35·9	58·3	
8·5		36·2	14·2	8·8 –
9·8		43·2	45·2	
9·4		56·2	23·1	
8·8	43	20·2	26·0	8·5 –
	+0	58·1	–1·3	

1441—1500.

mag.	6h. m	s	—29° ′	
9·8†	43	20·6	0·9	
8·8		33·7	51·0	9·0
8·6		33·7	17·1	8·5
9·8		36·7	59·0	
9·8		47·2	33·4	8·5
9·8		48·2	26·4	
9·8		56·7	51·2	
8·2	44	0·2	36·2	7·0 GWa
9·4		6·7	5·8	
9·8		21·0	7·9	
9·8		23·2	39·2	
9·2		38·4	1·6	
9·8		41·4	0·8	
9·8		41·7	39·1	
9·2		54·7	24·7	
9·0	45	2·7	10·3	
8·8		3·7	49·1	9·5 G
9·8		13·2	12·1	
9·8		22·2	53·3	
8·6		25·7	14·0	–
9·4		27·2	48·2	9·5
8·0		54·2	18·0	8·0 Ga
9·0	46	3·7	47·9	9·0
9·8		21·2	47·0	
8·8		21·2	25·9	8·5
9·8		34·2	8·2	
8·2		40·2	13·7	8·0 Ga
9·0	47	5·2	15·8	9·5
8·2		15·2	6·9	8·5 a
8·8		17·9	33·1	–
9·6		18·7	18·3	
9·8		24·4	41·1	
9·8		31·9	59·3	
9·0		32·9	6·1	9·5
9·8		34·4	42·9	
9·8		41·9	31·1	
9·8		42·9	21·2	–
9·8		46·1	48·1	9·5
8·5		52·4	3·2	
9·8		56·9	23·3	
9·8		59·4	29·0	
9·0	48	11·9	41·5	9·5 G
9·6		21·8	7·7	
9·8		43·9	34·9	
9·8		45·4	39·3	
9·8		50·4	39·6	
9·8	49	21·4	3·6	9·0
9·8		40·4	20·0	8·5 –
9·8		44·8	47·6	
9·0	50	0·4	43·5	–
9·8		20·9	54·2	
9·0		48·4	31·5	
9·0		52·4	47·4	9·0
8·8	51	2·9	57·4	9·0
9·8		17·1	0·4	
9·2		22·9	4·6	
8·8		24·9	24·8	8·0 G=
9·0		31·9	32·9	9·5
9·8		40·9	6·8	
8·8		43·4	15·1	G
	+0	58·3	–1·7	

1501—1560.

mag.	6h.–7h. m	s	—29° ′	
9·0	51	47·9	34·3	8·5 =
9·1	52	11·9	19·0	9·0
8·4		21·9	19·8	8·5 a
9·8		22·4	18·1	
9·8		31·4	25·9	
8·8		34·9	55·5	
8·8		50·9	36·8	
9·4	53	9·9	8·6	–
9·1		27·9	28·7	
9·8		33·8	28·0	
9·4		43·4	26·7	
9·8	54	32·4	20·1	
7·8		51·9	31·9	8·5 GSa
9·8	55	1·4	3·5	
8·0		3·9	55·0	8·5 Ga
9·6		6·9	36·2	
9·2		11·8	36·8	
8·0		11·8	54·2	8·0 GSa
8·8		26·3	37·4	
8·6		26·8	14·1	–
9·2		30·4	2·1	
8·5		32·0	58·8	9·5
9·0		39·8	5·0	
9·1		42·8	3·7	
9·8		48·3	55·9	
9·8		50·3	53·0	
9·8		55·3	3·5	
9·4	56	10·3	45·0	9·5
9·2		21·8	38·5	
9·8		27·8	42·3	
8·2		31·3	33·0	8·5 G=
8·4		43·8	12·3	9·0 –
9·8		54·8	40·1	
9·8	57	20·6	43·9	
9·2		30·6	29·7	
9·8	58	30·3	40·0	
9·8		32·5	37·2	
9·6		39·7	40·2	
9·6		39·8	1·1	
9·6		41·6	51·2	
8·5		56·6	12·2	9·0 G–
9·6		56·6	9·2	9·5 G–
9·6	59	11·1	28·9	
8·9		45·8	30·9	9·0 –
9·6		47·3	30·2	9·0 –
9·6	0	0·8	19·1	
8·5		25·5	1·8	8·8 a
9·6		26·8	29·8	
8·6		28·0	0·7	9·5
9·1		50·8	37·8	
9·2		51·3	44·0	8·5 =
8·8	1	7·8	18·0	
9·1		46·8	59·7	
8·8		52·8	57·3	9·5
8·7		53·8	48·5	9·0
8·8		55·3	42·2	9·5
9·6	2	0·3	36·4	
9·6		6·3	46·3	9·0
9·5		10·8	8·4	
9·8†		16·3	0·5	
	+0	58·5	–2·0	

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1561—1620.

mag.	7h. m	s	—29° ′	
8·3	2	16·3	20·7	Ga
9·4		33·8	13·6	
9·2		46·8	7·7	
8·4		56·8	14·1	8·0 Ga
8·6	3	0·8	34·0	
9·5		3·6	5·4	
9·2		28·8	44·9	
8·9		35·3	37·8	
9·0		43·3	18·3	
8·4		46·8	47·8	8·5 Ga
9·6		52·8	9·2	
9·6		57·3	33·1	
9·6	4	11·3	57·9	
8·7		12·3	6·4	8·5
8·3		18·8	49·1	8·8 G—
9·5		41·8	42·8	9·0 —
9·2		53·4	57·0	
9·6		57·3	23·5	
9·6		59·8	5·3	
9·6	5	12·8	48·6	
9·1		28·8	46·0	9·0
9·6		31·3	54·7	
8·0		32·8	51·1	8·0 Ga
8·1		35·8	8·7	8·5 G=
9·6		40·8	56·3	
9·6		42·8	52·2	9·5
9·6		43·5	48·3	
8·8		47·0	32·1	
8·9	6	18·1	1·9	
9·0		23·5	38·4	
9·6		26·0	47·4	
9·2		29·0	59·7	9·0
8·6		36·5	15·6	
8·1		48·5	36·0	=
9·6†		51·3	1·9	
9·6	7	6·5	20·0	
9·6		11·5	0·9	
9·6		16·5	22·0	
9·6		26·5	47·0	
9·6		48·0	7·2	
8·4		58·0	42·0	8·5 a
9·2	8	4·9	0·6	
8·8		10·4	0·3	10·0
9·6		11·5	13·0	
9·5		13·0	49·4	
9·6		22·5	19·1	
9·5		23·5	6·4	
9·4		24·5	59·6	
9·6		37·0	21·4	
9·0		56·5	24·4	
9·4	9	0·5	12·2	
9·6		2·5	35·2	
9·6		7·0	23·0	
9·6		12·5	26·9	
9·6		14·5	12·0	
8·3		16·0	42·8	8·5 a
9·6		32·5	31·1	
9·8†		47·2	2·1	
9·6		56·5	12·8	
9·4	10	10·5	27·6	9·0
25pr.	+0	58·7	—2·4	

1621—1680.

mag.	7h. m	s	—29° ′	
8·4	10	13·1	58·5	8·5 —
9·6		31·6	59·0	
9·6		32·5	31·3	
8·6	11	5·5	16·2	8·5 G=
9·6		6·7	16·1	9·0
8·5		16·2	54·7	8·0 G—
8·4		25·7	7·8	9·0
9·6		28·7	6·9	
9·6		32·7	9·1	
8·9		37·2	42·9	—
8·9		46·7	9·1	9·5
9·6		52·2	7·1	9·5
8·0	12	5·2	30·3	W=
9·6†		11·1	1·4	
8·9		19·7	38·7	
8·6		46·2	17·2	9·0 G
9·2		48·2	32·5	—
9·6		49·7	48·6	
9·8†		55·6	0·1	
8·9		56·2	22·7	9·0
9·4	13	13·2	24·8	
8·8		16·7	51·5	
8·7		19·2	29·2	
9·6		19·2	42·0	
8·6		23·2	39·4	GW=
8·8		23·7	16·4	8·5
9·6†		27·6	0·6	
9·6		32·1	12·7	
8·7		37·2	24·3	9·0
9·6		40·2	49·7	
8·2		43·2	4·2	8·5
9·6		58·7	46·1	
8·7	14	6·2	47·1	
9·6		23·2	56·7	
9·1		33·2	6·1	9·0
9·2		46·2	10·9	
9·0	15	10·9	59·6	8·8 —
8·2		23·7	6·4	8·5 a
9·6		41·7	7·5	
9·6		41·7	35·7	9·0
9·1		43·7	29·9	9·5
7·6		56·2	37·7	8·0 G=
9·6	16	10·9	1·0	9·0
9·4		25·9	46·1	
9·6		26·9	56·0	
9·6		37·4	9·0	
8·6		40·4	48·1	9·0 G—
8·6		40·9	52·1	8·5 G≡
8·9		55·9	25·8	
9·2		56·4	6·4	
9·6	17	2·9	0·4	
9·6		46·4	49·9	
8·2	18	2·9	30·7	8·0 Ga
9·6		19·4	41·7	
8·5		25·9	50·2	9·0
9·6		31·4	3·1	
7·6		55·9	2·9	8·0 GStπ
7·0	19	2·4	58·5	7·0 GSct
9·5		2·9	24·9	
3·8		8·9	3·7	3·8 GSπ/β
	+0	58·9	—2·7	

1681—1740.

mag.	7h. m	s	—29° ′	
9·2	19	11·5	12·2	
9·4		15·5	2·0	
8·8		22·4	53·7	9·0
8·9		23·9	54·2	8·5 Ga
8·3		37·9	22·3	
9·6		39·2	0·7	
9·6		46·6	59·7	
9·4		52·4	32·8	G
9·4		56·4	45·0	G
9·6	20	1·4	27·0	
9·6		15·9	43·7	
9·4		16·9	44·2	
9·1		24·4	44·6	G
8·9		26·4	7·2	8·5 a
9·4		32·9	5·6	
9·5		32·9	15·4	G
9·6	21	4·7	1·2	
9·6		6·3	5·7	
9·6		13·8	56·0	
9·1		14·8	10·4	
9·5		15·4	21·5	
9·4		16·6	46·0	
10·0		27·9	26·3	
10·0		27·9	50·9	
9·6		29·3	39·2	
10·0		32·6	43·9	
9·2		37·6	56·7	
10·0		40·4	50·4	
9·2		47·6	44·1	
10·0		47·9	51·4	
9·0		55·3	4·0	9·5
10·0		55·9	7·5	
9·4		56·6	31·2	
8·7		57·1	14·1	9·0
8·6	22	2·6	34·3	
9·8		3·8	24·5	
9·6		11·8	21·3	
9·4		16·6	14·6	
9·8		21·3	40·0	
10·0		27·8	29·7	
9·5		38·3	30·3	
9·3		39·0	52·1	G
8·6		42·8	16·5	8·5 b—
10·0		51·3	54·4	
9·4		55·3	51·8	G
10·0		56·8	2·1	
9·8	23	3·8	38·8	
10·0		5·3	18·7	
10·0		6·3	11·7	
9·5		7·3	36·6	
10·0		9·3	52·8	
8·2		13·8	22·2	Ga
10·0		13·8	53·2	
10·0		14·8	48·8	
8·5		16·8	32·0	
10·0		18·3	57·8	
8·8		21·8	52·3	9·0 G
9·4		22·8	7·8	
9·4		23·8	37·8	
9·6		25·8	38·7	
	+0	59·1	—2·9	

1741—1800.

mag.	7h. m	s	—29° ′	
9·4	23	27·3	29·5	
8·7		34·3	4·1	8·5
9·0		44·8	35·8	
9·8		46·3	28·4	
10·0		48·3	55·6	
8·4		50·8	15·1	8·5 Gb
10·0		58·7	59·1	
9·7	24	4·4	56·5	
10·0		5·3	51·8	
9·5		8·8	8·0	
9·8		8·8	28·8	
9·4		20·8	55·1	
10·0		23·3	9·6	
9·8		23·8	57·1	
9·0		26·8	56·2	9·5
9·0		32·8	9·3	
9·4		35·8	36·0	
10·0		38·3	49·0	
9·4		43·3	12·4	
8·6		43·8	34·1	
9·8		47·8	53·4	
8·7		50·3	56·0	9·0 —
10·0		53·8	6·8	
10·0	25	4·8	20·5	
9·8		10·8	25·8	
9·4		18·8	7·4	
9·8		27·8	21·8	
9·5		38·3	26·4	
9·8		40·8	47·8	
8·7		46·8	37·8	—
9·4		47·8	49·8	
10·0		56·3	37·9	
9·5		56·8	5·0	
9·4	26	3·8	51·5	
9·5		6·8	14·0	
10·0		12·3	13·9	
10·0		13·3	3·2	
9·3		13·8	30·4	
9·3		18·8	52·5	
9·7		27·3	53·8	
9·6		27·8	48·4	
9·6		44·8	12·0	
10·0		49·3	0·4	G
9·8		49·3	41·9	
9·8		49·8	35·5	
9·6		50·8	31·2	
9·0		54·8	45·4	
8·6		56·8	11·9	9·0 =
8·7		57·8	8·8	
9·5		58·8	17·2	
10·0	27	2·3	6·1	
10·0		2·3	57·4	
9·6		8·6	8·2	
9·4		9·6	4·8	
8·6		11·8	22·1	8·0 Ga
10·0		14·8	14·7	
10·0		14·8	35·1	
9·6		16·3	29·0	
9·7		17·8	26·9	
9·8		20·8	4·1	
	+0	59·2	—3·1	

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1801—1860.

mag.	7h. m	s	−29° ′	
9.8	27	23.8	42.0	
9.5		28.4	57.3	
9.4		28.9	57.8	
9.5		32.3	49.2	
9.0		32.3	25.2	8.5
10.0		35.8	2.8	
9.7		36.1	59.1	
10.0		41.3	41.1	
9.5		43.8	9.0	
9.4		46.8	23.1	9.5
9.4		56.8	49.6	
9.4	28	4.8	37.1	
9.2		6.8	29.6	9.0
8.9		14.3	31.2	9.5
9.4		16.8	31.7	
10.0		16.8	50.2	
9.0		24.8	33.2	8.5
10.0		27.8	31.6	
9.2		33.6	57.5	
9.4		36.3	36.4	
10.0		38.8	44.9	
10.0		39.3	17.6	
9.8		43.8	8.3	
10.0		43.8	48.9	
8.5		46.8	1.5	–
10.0		50.8	19.5	
9.5		50.8	40.2	
10.0		52.3	20.5	
9.4		54.8	38.9	
9.5		56.3	3.1	
9.6	29	2.5	18.8	
10.0		4.5	18.5	
10.0		7.0	12.8	
8.8		7.7	56.6	9.5
9.8		11.0	45.5	
9.4		17.5	28.9	
9.4		27.5	30.2	
9.3		40.0	29.9	
9.4		41.0	55.5	
10.0		43.0	5.9	
10.0		47.2	59.1	
9.8		49.0	48.9	
9.7		49.5	3.1	
8.4		50.0	8.2	8.0 GWa
9.4		50.2	59.1	
9.3		51.5	28.3	
10.0		54.0	24.3	
9.8	30	0.0	12.6	
9.8		3.0	25.2	
10.0		4.5	7.9	
10.0		8.0	46.9	
9.4		12.5	33.9	
9.7		16.0	39.6	
10.0		16.5	7.8	
9.5		34.0	5.8	9.5
8.6		35.5	7.2	9.0
9.0		38.0	43.4	8.5 GW≡
8.2		49.0	46.9	8.8 GW≡
8.4		58.0	5.0	8.5 Wa
10.0	31	0.0	48.2	
25pr.	+0	59.3	−3.2	

1861—1920.

mag.	7h. m	s	−29° ′	
10.0	31	2.5	19.6	
10.0		3.0	31.8	
10.0		5.0	42.1	
9.8		12.0	20.5	
9.6		12.0	58.4	
9.0		17.5	12.1	a
8.9		23.5	10.5	
8.8		23.5	26.7	
9.6		24.0	11.8	
9.8		27.0	3.8	
9.3		32.5	55.1	
9.4		37.0	30.6	
8.4		42.0	30.2	=
10.0		45.5	50.6	
9.5		49.0	42.6	
8.9		51.0	5.4	9.0
10.0		53.0	17.8	
10.0		58.0	38.8	
9.7		59.0	16.3	
9.0	32	0.5	41.1	
9.5		1.5	7.6	
9.5		2.0	44.9	
9.3		4.0	50.1	
10.0		5.5	10.7	
9.6		8.0	19.0	
9.4		9.0	34.2	
9.2		9.0	44.9	
10.0		18.0	14.4	
9.4		24.0	40.5	
10.0		28.5	32.1	
9.8		33.7	10.2	
9.3		39.0	5.9	
9.8		46.0	49.6	
10.0		49.0	18.8	
10.0		50.0	16.6	
10.0		52.0	46.3	
9.4		54.0	5.4	9.0
10.0		55.0	24.6	
10.0		56.5	27.0	
9.0	33	11.5	39.1	
9.8		11.5	20.2	
10.0		20.2	41.3	
9.2		20.7	38.7	
10.0		22.0	17.4	
9.2		23.0	18.1	
9.8		24.5	13.1	
9.5		26.8	14.6	
9.4		27.8	43.9	
9.8		31.3	30.9	
9.2		32.3	46.8	9.5
10.0		48.3	49.9	
9.4		50.8	26.4	
9.0		50.8	46.3	
9.7		51.3	16.1	
9.8	34	0.8	12.0	
8.4		3.8	51.1	8.5 W=
9.2		4.8	42.4	
10.0		4.8	31.1	
10.0		12.8	22.4	
7.9		12.8	11.4	8.0 G=
	+0	59.4	−3.3	

1921—1980.

mag.	7h. m	s	−29° ′	
10.0	34	13.8	19.4	
9.5		16.8	58.4	
9.3		23.8	6.4	
10.0		28.8	21.9	
9.4		29.8	17.9	
8.6		33.8	44.9	
10.0		36.8	10.1	
8.8		36.8	31.1	
9.3		46.8	6.7	
9.0		47.8	13.5	
9.2		48.8	31.3	
10.0		57.8	22.9	
9.8		57.8	31.9	
9.8	35	3.8	31.5	
8.4		7.8	52.9	7.5 GSa
8.9		8.3	22.7	
9.8		8.8	1.5	
9.4		9.3	44.9	
9.4		9.8	30.4	
9.3		12.8	25.0	
8.9		16.8	24.1	8.5 –
9.8		17.8	31.5	
9.4		19.8	23.4	
8.6		20.8	40.3	
9.6		22.8	45.3	
8.8		23.3	47.1	
8.8		24.8	48.5	
10.0		25.3	30.6	
10.0		26.8	16.1	
8.9		27.8	49.1	
10.0		30.0	58.5	
7.2		30.2	47.5	GSa
7.9		33.2	45.6	GSa
10.0		38.7	44.2	
8.8		42.2	49.3	
9.5		42.2	39.1	
9.6		43.0	56.7	
9.5		44.7	38.3	
8.8		44.7	29.7	9.0
10.0		46.7	37.5	
9.2		50.2	27.1	
8.8		50.7	52.7	9.2
9.3		52.5	58.1	
9.4		53.7	45.1	
8.1		54.7	43.1	a
10.0		56.7	2.7	
8.8		57.7	15.5	8.5 Ga
9.4		58.7	15.1	G
9.7		59.7	1.3	
8.9	36	0.7	27.1	9.0
8.8		12.7	55.1	10.0 G
9.8		12.7	6.8	
10.0		26.7	50.1	
8.5		28.2	42.5	
9.8		29.7	49.5	
10.0		32.7	16.9	
9.8		36.2	40.5	
9.4		39.2	8.7	
10.0		43.2	27.7	
9.8		46.7	14.5	
	+0	59.5	−3.4	

1981—2040.

mag.	7h. m	s	−29° ′	
10.0	36	46.7	10.2	
9.8		47.2	59.3	
9.8		50.7	51.7	
10.0		53.7	8.1	
8.6		54.7	48.7	9.0
9.4		54.7	44.5	
8.8		56.7	54.5	9.5 G
8.7	37	0.7	1.9	9.0
9.8		1.2	24.9	
9.5		3.7	17.3	
9.4		6.6	37.4	
7.2		10.6	53.6	7.0 GW
9.8		11.6	31.9	
8.5		12.1	54.5	9.2
9.2		20.6	0.7	a
10.0		22.6	50.9	
10.0		23.4	10.4	
9.7		23.6	14.9	
7.9		23.6	56.9	8.2 GWa
8.9		32.1	40.5	
10.0		36.4	5.5	
9.8		40.1	4.9	
10.0		42.1	32.7	
9.8		42.6	1.7	
9.4		45.6	39.3	
8.5		46.6	13.4	
9.5		49.6	38.4	
10.0		52.1	24.9	
10.0		54.1	46.7	
9.4		54.6	54.9	
9.2		58.6	54.7	
10.0		59.1	48.5	
10.0	38	0.1	21.2	
9.7		1.1	10.7	
9.3		6.6	24.1	
10.0		11.6	6.7	
8.4		11.6	15.5	8.5 =
9.7		12.6	13.7	
9.4		12.6	52.2	
9.6		15.4	14.9	
10.0		18.1	56.7	
10.0		19.1	21.6	
10.0		21.6	35.9	
10.0		25.2	59.7	
8.4		25.6	4.0	8.5
9.2		28.6	1.5	
10.0		31.6	23.9	
9.8		41.1	7.6	
9.8		48.6	44.7	
10.0		53.1	37.7	
9.8	39	0.1	17.0	
9.0		11.1	39.7	
10.0		12.6	35.3	
9.3		14.6	16.1	–
8.7		22.1	56.9	9.0
10.0		23.2	59.5	
7.8		24.6	56.1	8.2 b
10.0		31.6	56.0	
10.0		31.6	17.7	
9.2		34.3	58.1	
	+0	59.6	−3.5	

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2041—2100.

mag.	7h. m	s	−29° ′	
9·4	39	36·6	21·6	
9·8		42·1	40·1	
10·0		44·1	9·9	
9·4		46·1	39·5	
10·0		59·6	18·2	
10·0	40	5·1	52·8	
10·0		5·6	53·9	
10·0		7·1	17·5	
10·0		9·6	44·1	
10·0		12·6	47·3	
9·8		13·6	13·5	
10·0		15·6	21·3	
10·0		16·6	49·7	
8·9		21·1	34·9	8·5 =
9·8		22·6	16·5	
9·4		23·6	3·9	
9·4		23·6	7·1	
9·2		24·1	15·9	
9·5		35·1	33·5	
9·6		42·6	53·1	
10·0		44·6	26·9	
10·0		45·6	51·5	
10·0		46·1	10·5	
8·4		47·6	38·7	8·5 –
9·6		49·6	49·5	
9·6		51·1	46·1	
8·8		55·6	9·5	9·5
9·0		57·1	22·5	
9·8	41	5·6	44·3	
10·0		10·6	27·5	
9·0		12·6	50·3	
9·8		17·6	41·1	
9·4		19·6	51·0	
9·7		22·1	33·5	
9·8		22·6	8·6	
10·0		23·1	30·9	
9·0		29·1	40·8	9·5
9·3		31·6	37·3	
9·2		33·6	11·9	
10·0		36·6	50·7	
9·4		37·1	41·2	
8·9		50·6	35·3	8·5 a
7·9		52·6	38·5	8·0 Ga
10·0		52·6	53·9	
9·7		53·6	35·5	
10·0	42	2·6	49·1	
9·4		2·6	29·8	
10·0		8·6	41·2	
9·3		16·1	15·7	
10·0		16·6	47·9	
8·9		16·6	47·0	
9·3		23·6	16·7	
9·2		23·6	49·8	
8·5		30·1	23·0	8·5 –
9·4		33·6	55·9	
10·0		46·1	23·6	
9·8		52·6	12·2	
8·4		53·6	49·5	9·0 GW–
8·2	43	3·6	4·2	8·8 –
8·9		5·6	1·1	
25pr.	+0	59·7	−3·6	

2101—2160.

mag.	7h. m	s	−29° ′	
9·3	43	12·1	45·0	8·5
9·8		15·6	7·9	
9·5		16·1	31·9	
9·8		29·1	50·1	
9·4		32·1	53·7	
9·4		33·6	21·6	
8·7		40·6	57·2	9·5
7·9		46·9	57·0	7·8 GWa
10·0		52·6	21·2	
9·0	44	2·6	27·1	
10·0		3·6	28·8	
9·2		13·6	33·3	
9·4		16·1	49·2	
8·6		22·6	55·8	9·2
9·4		23·1	58·5	
9·4		26·1	20·1	9·0
9·4		26·9	1·5	
10·0		27·6	35·5	
9·8		35·6	4·1	
8·9		40·1	56·6	
9·5		43·6	56·3	
9·7		52·6	7·8	
9·5		53·6	18·1	9·0
9·6		59·1	51·1	
10·0	45	2·5	5·1	
10·0		6·4	44·6	
8·7		9·5	13·2	9·5
8·7		30·2	0·1	9·0 Ga
9·2		41·7	3·5	
9·8		50·5	9·8	
10·0		52·4	3·1	
10·0	46	3·7	28·6	
9·8		5·0	14·7	
10·0		15·5	5·0	
10·0		26·4	26·0	
10·0		27·5	57·0	
8·9		30·0	12·8	
8·2		44·2	20·7	8·5 a
9·6		54·4	23·6	
9·0	47	0·9	31·1	
9·8		8·9	36·3	
9·2		12·4	21·2	9·5
9·7		14·1	23·5	
9·2		15·9	50·5	
8·6		20·2	18·6	9·5
9·8		30·7	5·8	
8·8		34·2	26·6	
9·6		38·7	11·2	
9·8		49·2	19·1	
9·6		55·2	33·7	
9·7		56·2	24·0	
9·0	48	0·2	2·3	9·5
9·7		3·3	42·6	
9·6		16·2	28·4	
9·4		16·2	28·7	
8·0		27·7	29·9	8·5 Ga
8·8		33·2	24·4	8·5 G
9·8		33·2	34·1	
9·8		36·2	48·9	
9·2		48·2	44·7	
	+0	59·9	−3·7	

2161—2220.

mag.	7h. m	s	−29° ′	
9·8	48	49·7	46·2	
9·8		53·3	39·9	
9·4		54·2	44·3	
8·6		56·4	59·9	9·0 G
9·8	49	4·2	37·4	
9·8		6·7	32·9	
8·6		16·2	12·5	9·0 a
9·2		21·7	34·7	
9·2		23·2	12·4	
9·2		49·7	59·7	
9·2		59·7	36·9	
9·8	50	10·2	48·6	
9·8		20·2	32·3	
9·8		23·2	4·0	
9·8		35·7	31·9	
9·6		42·2	14·0	
9·2		49·2	12·3	
9·4		57·2	30·4	
9·2	51	2·2	33·8	
8·6		11·2	1·3	
9·2		22·2	7·0	
8·3		23·9	57·1	6·5 GSct
8·8		23·9	5·6	
9·4		24·2	0·3	
9·6		30·9	40·2	
9·8		31·4	13·0	
8·8		52·9	11·1	
9·2		56·0	34·2	
8·8		56·4	0·9	a
9·0		57·9	22·7	
8·8		59·9	24·7	
8·8	52	15·9	22·5	
9·4		18·9	11·5	
9·0		26·9	7·1	
9·4		36·9	15·8	
9·4		37·7	2·2	
9·8	53	4·5	2·9	
9·7		5·9	44·2	
9·6		8·2	3·0	
9·8†		9·1	1·7	
9·8		13·9	14·7	9·0
9·8		20·4	54·3	9·5
9·4		21·9	40·9	
9·8		35·9	19·5	
9·0		41·9	55·5	8·5
9·8		51·4	16·1	
9·0		52·9	6·9	
9·4		55·9	42·9	
9·2		59·4	14·3	
9·8	54	9·9	1·2	
8·5		20·8	0·7	8·6 G=
9·4		32·8	5·4	
9·2		34·8	9·9	
9·8		41·6	13·9	
9·6		50·3	17·5	
9·9†		53·1	2·7	
9·8		54·6	16·8	
9·6		55·8	53·0	
9·2		58·3	45·3	
9·7	55	1·8	29·2	
	+1	0·1	−3·9	

2221—2280.

mag.	7h. m	s	−29° ′	
9·8	55	3·8	49·1	
8·4		4·3	10·3	8·1 GS=
9·4		15·3	9·4	9·0
9·8		18·8	5·2	
9·8		24·3	37·5	
9·2		25·8	18·5	
9·8		25·8	46·0	
9·8		29·8	46·8	
9·0		38·8	8·5	9·5
8·6		45·8	6·7	8·8
9·4		52·6	14·6	
9·8		57·8	26·1	
9·8	56	1·3	28·0	
8·8		5·8	31·9	G
8·4		9·8	12·9	8·4 –
9·7		11·8	17·3	
9·2		12·8	6·1	
9·8		13·3	31·6	
8·8		17·3	9·7	9·2 G
9·4		22·3	24·1	
9·8		22·8	40·1	
9·2		41·8	25·4	G
9·7		43·3	29·1	G
9·8		44·8	50·3	
9·6		46·8	6·7	
8·6		53·8	16·4	8·5
9·8		57·6	37·1	
8·8	57	2·3	26·4	G
9·8		5·8	36·8	
9·7		10·3	6·2	9·5
9·2		11·8	41·9	
9·4		29·9	14·0	
9·6		32·9	51·8	9·0
9·8		54·4	44·0	
9·6		59·9	23·6	
8·8	58	4·4	5·0	9·0
9·8		8·9	6·9	
9·8		14·4	50·8	
9·2		16·9	37·1	
9·7		16·9	6·1	
9·7		24·9	6·5	
9·8		25·9	38·0	
9·4		29·9	17·0	
9·0		30·9	54·0	
9·0		35·9	16·2	
8·0		38·4	4·1	8·2 Ga
8·6		44·4	24·8	
9·6		51·9	23·8	
9·8		51·9	16·7	
9·8		54·9	14·2	
8·6		57·2	1·2	9·0
9·8		59·9	15·1	
9·6	59	14·9	27·2	
9·4		21·4	50·6	
9·2		21·9	57·0	
9·7		25·9	24·3	
9·4		32·9	24·1	
9·8		35·9	59·2	
9·6		35·9	24·7	
8·5		36·9	36·7	7·5 GWa
	+1	0·3	−4·1	

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2281—2340.

mag.	7h.–8h. m	s	—29° ′	
9.7	59	39.4	35.2	
9.4		42.9	19.6	
8.8		45.9	5.8	9.5
9.8		46.9	11.4	
9.8		50.9	40.5	
9.4		55.4	50.1	
8.6		58.4	35.4	8.0 Wa
9.4	0	2.4	51.6	
8.5		5.9	42.8	9.0 a
9.8		6.9	17.0	
9.4		9.9	8.9	
9.0		17.9	13.2	
9.4		19.9	54.0	
9.8		22.9	44.6	
8.8		29.8	19.1	
9.8		30.3	14.9	
8.6		34.8	38.1	9.0 G
8.5		37.3	38.1	8.5 Ga
9.8		42.3	20.4	
9.8		45.8	34.3	
9.8		47.8	47.3	
9.6		56.8	25.3	
9.8	1	1.8	15.6	
9.4		9.8	41.2	
9.8		15.8	33.6	9.5
9.4		22.8	26.6	
9.4		23.8	4.0	
9.2		24.8	31.8	
9.0		25.8	30.0	
9.7		29.3	24.7	
9.2		31.8	55.0	
9.8		32.8	13.3	
9.2		38.8	26.7	
9.8		51.3	15.5	
9.8		53.8	46.3	
7.8		54.3	2.0	7.5 GSa
9.4		56.8	32.7	
9.8		56.8	19.8	
8.9	2	0.3	32.1	9.0 a
9.8		5.8	0.3	
9.8		5.8	48.0	
9.2		9.8	20.8	
9.2		12.8	39.2	9.5
9.8		16.8	14.5	
9.8		17.3	14.6	
9.8		19.8	56.8	
9.4		21.8	27.1	
9.7		26.8	6.2	
9.4		48.3	25.1	
8.8		49.3	20.7	
9.8		50.3	36.4	
9.0	3	2.8	34.4	
9.7		7.3	18.0	
10.2†		[illegible]8.4	1.4	
9.0		[illegible]9.8	4.0	
9.0		23.3	30.8	9.5
9.8		27.8	26.8	
9.8		37.8	11.7	
9.4		51.3	54.0	
9.8		51.8	15.0	
25pr.	+1	0.5	−4.2	

2341—2400.

mag.	8h. m	s	—29° ′	
9.6	3	57.3	8.8	
9.8	4	2.7	52.3	
8.6		4.2	30.3	8.0 Ga
8.4		5.5	57.5	7.0 GSa
9.8		6.7	50.2	
9.8		7.7	42.8	
9.0		7.7	18.6	
9.8		8.7	28.4	
9.0		11.7	57.8	9.5
9.8		13.7	35.3	
9.8		16.7	55.9	
9.8		22.7	21.3	
9.8		40.7	50.1	
9.8		41.7	41.1	
9.7		42.7	7.1	
9.4		43.7	52.7	
9.8		47.2	45.1	
9.7		49.7	17.0	
9.0		55.7	26.8	
9.8		59.2	24.5	
9.8		59.7	54.1	
9.8	5	2.7	18.8	
9.6		4.7	8.3	
9.8		5.7	49.9	
9.2		16.7	42.4	
9.8		19.7	16.6	
8.3		19.7	40.2	a
9.8		20.8	1.1	
8.5		21.7	51.9	8.5 Wa
8.6		23.7	4.9	9.0 –
9.8		35.7	17.9	
9.4		39.2	29.7	
8.6		41.7	7.5	9.5
8.0		42.2	46.7	GWa
8.6		59.2	18.5	9.0
8.8	6	2.7	57.1	9.5
9.0		4.7	4.2	
9.6		5.7	13.1	
9.8		10.7	20.9	
9.4		12.7	59.4	
9.6		24.7	52.4	
9.0		25.7	39.5	
9.8		30.7	14.9	
9.2		32.7	30.4	
9.8		35.7	3.1	
9.8		41.7	18.5	
9.8		42.7	18.0	
9.7		42.7	14.9	
8.8		43.7	32.8	9.0
8.8		49.7	57.1	9.0 a
9.7		52.5	27.4	
8.2		52.7	50.3	8.5 GSa
9.2		55.5	7.0	
9.8	7	2.0	16.0	
9.4		12.5	10.3	
9.4		25.5	6.0	
9.4		29.5	12.6	
9.2		34.5	6.9	
9.8		39.7	2.6	
9.0		40.5	18.4	
	+1	0.6	−4.3	

2401—2460.

mag.	8h. m	s	—29° ′	
9.0	7	41.5	54.8	9.0
9.8		42.2	1.7	
7.8		43.0	32.2	7.0 GSat
9.8		44.0	13.4	
9.8		44.5	21.8	
9.4		46.5	44.0	
9.6		55.5	13.4	
9.2		57.5	9.8	9.0
9.8	8	2.5	8.6	
9.2		11.5	4.2	
9.0		35.5	26.6	9.0 a
9.7	9	5.0	14.2	
9.8		8.0	42.0	
9.8		12.5	41.3	
9.4		12.5	18.7	
9.0		16.0	56.7	
8.6		19.5	25.7	9.0
9.7		21.5	25.4	
10.1*		23.3	52.4	
9.7		25.5	13.1	
9.7		35.0	28.2	
9.6		41.5	7.8	
9.8		41.5	28.9	
9.2		42.5	25.6	
9.4		47.5	33.7	
9.8		53.0	11.4	
9.2		53.0	8.0	
9.4		54.5	7.2	
9.8		55.5	50.2	
9.8		59.2	28.8	
10.2†	10	1.4	0.2	
9.8		3.5	18.6	
9.4		5.9	26.8	
9.6		9.9	4.8	
9.6		12.8	10.8	
8.8		13.0	29.0	9.0
9.2		26.3	30.0	9.0
8.6		55.9	24.2	
8.0		55.9	48.1	7.5 GSbt
9.8		58.3	37.1	
9.8	11	3.8	15.9	
10.0		4.0	10.4	
9.6		7.8	3.7	
10.0		12.3	27.4	
10.0		17.8	17.6	
9.6		18.8	2.4	9.0
10.0		27.3	11.8	
10.0		31.2	42.7	9.0
9.2		32.8	8.0	9.5
8.4		33.3	39.5	9.0
10.0		33.3	30.3	
9.6		47.3	12.0	9.5
10.0		52.8	7.0	
10.0		57.9	0.9	
10.0	12	4.3	57.3	
9.8		5.8	25.5	
9.4		14.3	25.5	
10.0		17.3	18.9	
9.4		18.8	56.8	
9.2		28.2	14.1	
	+1	0.8	−4.5	

2461—2520.

mag.	8h. m	s	—29° ′	
10.1	12	33.2	38.0	
9.4		34.2	17.5	
7.7		35.7	18.3	GSb
9.0		38.2	28.0	
9.2		44.2	13.9	
8.6		45.7	13.4	8.8
9.2		53.2	46.0	9.5
10.0		54.0	7.2	
7.8		54.2	36.9	7.0 GSct
10.0		59.7	52.6	
9.6	13	0.7	18.5	
10.0		0.7	23.1	
9.2		7.2	56.4	8.5
8.3		9.0	10.7	8.2 a
9.6		13.2	0.2	
10.0		22.2	18.8	
9.8		28.7	38.2	
9.7		34.2	41.3	
10.0		34.7	20.1	
10.1		38.7	27.1	
9.8		41.7	21.6	
10.0		43.7	21.7	
9.0		44.2	35.2	
9.0		46.2	6.9	8.2 Ga
8.4		49.7	21.2	8.5 G
10.0		50.7	25.0	
8.3		53.2	21.8	9.0 a
9.2		53.2	25.5	
10.0		54.7	9.9	
9.0		56.2	45.7	W–
9.4		58.7	20.8	
10.0	14	1.0	45.4	
9.6		1.2	30.2	
10.1		2.0	37.6	
9.6		8.2	22.7	9.0
10.1		13.2	51.9	
10.2†		16.4	1.6	
9.6		36.2	31.0	
8.0		36.7	47.4	W
10.0†		40.3	1.2	
9.4		42.7	34.9	
9.5		47.7	39.7	
9.6		53.2	15.6	
10.0		56.2	37.6	
10.1	15	0.9	24.1	
9.4		4.2	24.6	
9.6		6.2	16.5	
10.1		6.2	12.0	
9.8		7.2	4.2	
9.6		10.0	9.4	9.5
10.0		10.2	31.9	
7.5		12.7	8.9	7.7 GSat
9.4		13.2	24.1	
10.0		16.7	37.0	
9.4		22.2	3.4	9.0 a
9.4		22.2	31.4	
9.6		27.2	51.1	
9.4		32.2	56.0	
10.0		35.7	54.8	
9.4		37.2	50.0	
	+1	1.0	−4.6	

2521—2580.

mag.	8h. m s	—29° '	
10·0	15 44·2	10·0	10·0
10·0	53·2	56·3	
10·1	53·7	21·1	
10·0	54·0	30·5	
9·4	55·7	36·6	8·5
9·6	16 6·7	43·0	
10·1	12·0	55·3	
9·6	29·7	48·8	
10·1	29·7	54·0	
9·4	30·2	29·0	
9·8	30·7	49·0	
10·1	33·2	31·0	
9·6	42·7	27·0	
10·1	51·0	9·9	
9·4	52·2	33·4	
8·4	53·2	10·7	9·2
9·6	53·2	9·5	
9·4	55·2	42·2	
10·1	57·7	26·4	
10·2†	59·8	1·0	
9·6	17 2·2	5·2	
9·6	3·0	58·5	
10·1	5·2	52·1	
10·1	8·2	42·6	
10·1	23·2	43·8	
7·6	26·2	17·6	7·0 GW≡
10·0	27·7	40·6	
10·0	32·8	59·4	
8·7	45·3	37·0	9·0
9·6	46·8	40·6	
9·6	48·3	34·0	9·0
9·4	56·3	29·1	
10·1	59·8	28·6	
10·1	18 9·8	5·2	
9·7	14·3	35·8	
8·6	18·8	53·1	9·0
10·1	21·3	0·6	
9·2	24·8	23·7	
10·0	28·3	41·7	
9·0	30·8	6·0	9·0
9·6	31·3	15·3	
10·1	33·3	27·0	
9·4	36·3	41·1	
7·5	36·8	59·4	7·2 GSat
10·0	39·8	39·1	
10·1	39·8	37·3	
9·2	43·3	16·3	
9·2	44·8	14·0	
8·1	56·3	27·3	a
9·2	19 3·8	26·8	a
10·1	6·2	54·6	
9·8	6·3	10·6	
10·1	16·3	21·0	
10·0	23·3	42·2	
9·8	26·1	59·7	
9·2	26·3	29·5	
10·0	26·8	29·9	
9·4	28·8	7·9	9·5
9·7	29·8	40·0	
10·1	33·2	2·3	
25pr.	+ 1 1·2	— 4·7	

2581—2640.

mag.	8h. m s	—29° '	
9·0	19 36·3	24·2	
9·4	36·3	42·7	
10·1	44·3	58·6	
8·7	47·3	6·5	9·0
10·1	48·6	57·8	
9·8	56·3	51·3	
9·8	20 3·8	12·2	
10·0	8·8	6·4	
9·4	11·3	13·4	
9·8	13·2	40·1	
8·7	16·3	35·6	9·0
10·0	21·8	5·8	
9·4	26·8	0·9	
9·4	30·8	50·0	9·0
10·1	38·8	59·6	
8·4	42·3	30·8	8·5 GSa
9·0	45·3	39·6	9·0
9·7	50·3	15·4	
10·0	54·3	11·0	
9·8	54·8	2·2	
9·0	21 3·3	30·2	
9·6	3·5	57·5	9·5
9·4	13·8	24·8	9·5
10·1	16·8	29·2	
8·7	20·5	58·1	9·0
8·8	22·8	36·7	9·0
9·6	23·3	14·6	
9·7	23·3	51·5	
9·2	23·3	41·3	9·5
9·7	24·8	16·6	
9·4	25·3	3·3	10·0
10·1	26·7	21·0	9·5
9·6	29·8	39·0	
9·4	33·8	53·2	8·5
9·2	34·3	21·8	9·0 a
8·6	36·3	31·7	
9·2	48·3	10·3	
10·0	53·3	34·6	
9·4	55·0	59·7	9·0
8·8	59·8	20·6	9·0
10·1	22 2·3	55·2	
9·6	4·3	2·8	G
9·6	6·8	51·0	
10·1	8·0	58·4	
10·0	23·8	23·5	
9·8	24·8	5·0	
10·0	32·8	20·7	
8·6	33·3	0·8	9·0 Ga
10·1	35·3	44·4	
10·0	36·2	6·3	
10·0	37·3	46·0	
10·0	46·2	22·2	
10·1	23 7·3	16·2	
9·4	9·8	58·7	
9·8	19·3	36·6	9·0
10·0	21·3	55·2	
9·7	26·2	20·8	
9·7	35·2	47·2	
9·6	37·7	41·3	
8·2	45·2	32·1	8·0 GSa
	+ 1 1·3	— 4·8	

2641—2700.

mag.	8h. m s	—29° '	
10·0	23 45·7	29·8	
10·1	47·7	42·0	
9·0	52·7	17·7	
9·6	24 1·0	59·6	
9·6	3·2	3·2	9·0
9·4	4·2	0·6	9·0
9·8	6·2	33·6	
9·4	10·7	50·2	
10·1	10·7	48·6	
8·4	12·5	57·1	8·5 Wa
9·8	17·2	50·0	
10·1	18·7	55·4	
9·2	34·7	27·8	
9·2	41·2	16·2	9·0
8·8	46·2	54·6	8·0 GSa
9·6	50·2	0·6	
9·6	52·7	12·2	9·0
9·4	25 4·2	18·2	
10·1	14·2	5·0	
9·8	15·7	55·2	
9·6	26·7	40·7	
9·6	27·2	37·3	
10·1	33·2	14·6	
8·6	33·2	15·0	9·0
9·0	36·2	9·2	
10·0	43·2	5·8	
9·4	43·2	36·6	
8·6	52·2	37·0	8·5 —
9·4	56·7	49·5	
10·1	26 10·7	4·8	
9·7	17·7	56·6	
9·4	23·7	20·0	
9·0	26·2	4·2	
10·1	34·2	35·2	
8·9	36·2	46·9	9·0
9·6	39·2	7·1	
10·1	40·7	47·0	
9·4	44·7	8·3	
9·0	46·2	45·4	9·0
10·0	47·7	31·1	
10·1	53·2	54·7	
10·0	55·7	34·0	
9·4	57·2	24·7	
10·0	27 1·7	37·0	
9·7	8·2	44·7	
9·8	30·2	56·0	
9·6	33·2	23·0	
9·8	34·7	38·0	
9·8	36·7	48·4	
9·0	45·2	44·4	
10·0	46·2	3·6	
9·6	53·2	12·0	
8·6	56·2	32·9	9·0 a
10·0	56·2	52·9	
8·6	28 6·7	31·8	8·5 a
9·6	13·7	24·0	
9·6	15·7	44·9	
9·4	27·7	49·1	G
9·8	33·5	2·7	
8·8	39·7	51·1	G
	+ 1 1·6	— 5·0	

2701—2760.

mag.	8h. m s	—29° '	
10·0	28 41·7	36·2	
9·2	58·2	52·6	9·0
9·6	29 0·2	4·3	
10·1	1·2	42·5	
8·7	6·2	44·7	9·0
9·6	8·2	27·7	
10·1	12·2	13·0	
10·1	18·7	3·9	
9·0	23·2	0·7	
9·2	24·7	32·3	9·0 a
10·1	41·7	19·6	
9·8	44·2	31·3	
9·2	45·2	40·7	
9·4	52·2	57·7	9·0
10·1	52·9	38·1	
10·1	30 4·2	25·8	
10·0	12·2	20·2	
7·6	18·7	5·7	8·0 GSa
8·9	21·7	19·6	
10·0	25·2	22·0	
9·6	32·2	49·0	
9·6	44·2	19·8	
9·4	44·2	18·2	
8·6	56·7	26·3	a
10·0	31 4·2	33·3	
8·6	15·7	36·4	8·5 Ga
9·7	36·2	48·0	
9·6	36·2	53·2	
9·8	36·7	49·0	
9·6	45·0	29·7	
9·2	47·7	54·8	
9·6	52·7	0·0	
9·2	57·2	24·2	9·0
9·6	32 9·2	15·6	
9·6	16·7	47·1	
9·4	22·7	52·8	9·0
9·0	34·7	29·0	9·0
9·0	35·7	44·0	
10·1	38·7	36·1	
9·0	47·2	24·5	9·0
10·1	50·7	33·3	
8·7	51·2	47·6	
9·0	51·7	41·0	
9·6	56·7	34·0	
8·7	33 12·7	32·8	8·5 G=
9·7	21·9	39·1	
9·7	24·1	42·9	
9·6	28·2	30·3	
8·3	44·1	56·9	8·5 a
9·2	52·7	17·9	9·0
9·6	34 4·5	38·0	
9·4	4·5	34·0	
9·8	7·9	1·3	
8·7	26·6	17·5	9·0
9·1	29·1	39·3	
7·3	32·0	7·1	5·0 GStπ
8·9	34·5	6·6	9·0
9·9	39·5	29·7	
9·4	35 8·5	15·1	9·0
8·6	15·5	15·1	9·0
	+ 1 1·9	— 5·1	

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2761—2820.

mag.	8h. m	s	−29° ′	
10.0	35	17.5	41.7	
10.0		24.5	21.9	
9.5		31.0	12.1	
10.0		40.4	1.4	
8.4	36	4.5	38.4	9.0
9.4		6.6	3.0	9.0 G
9.9		7.0	45.3	
10.0		8.5	50.6	
9.9		25.5	28.7	
9.9		26.5	56.0	
9.9		27.4	18.4	
10.0		33.5	54.9	
9.4		35.5	30.2	
9.7		47.5	33.6	
9.2		53.5	7.9	9.0 G
10.0	37	14.5	29.5	
9.6		27.5	2.0	
10.0		30.5	33.7	
8.7		43.0	19.4	a
8.0		51.5	4.5	8.2 GSa
9.1		59.0	44.6	
9.5	38	42.3	9.8	
8.3		52.8	47.4	8.5 a
10.0	39	5.3	27.1	
9.9		7.3	41.8	
9.9		15.3	45.1	
9.6		17.3	13.1	
9.9		30.3	39.9	9.0
10.0		34.1	50.1	
10.0		34.8	12.8	
9.0		37.8	34.5	9.0
8.7		47.3	8.9	
8.6		54.3	59.6	9.0 a
9.2	40	7.3	15.5	
9.4		14.8	2.5	
9.4		15.3	51.8	9.5
9.2		28.3	26.6	
9.3		50.3	27.0	
9.4		54.8	19.9	
8.4	41	22.8	18.0	7.5 GSa
8.5		24.3	16.2	7.5 GSb
9.0	42	18.3	12.8	8.5 a
9.9		18.3	16.2	
9.4		23.3	41.0	
9.2		28.3	36.4	
9.8		47.3	37.5	
10.0	43	14.8	14.0	
9.4		15.3	25.7	
8.8		25.3	6.9	9.5
9.8		25.8	42.8	
8.9		34.8	51.1	9.0
9.9		37.3	31.1	
8.6		52.3	45.3	8.5 Ga
9.4	44	5.3	46.7	9.0
9.7		9.8	51.3	
9.9		23.1	14.9	
9.4		23.3	28.2	
9.5		26.3	21.6	
10.0		27.3	52.9	
10.0		30.8	34.2	
25pr.	+1	2.3	−5.4	

2821—2880.

mag.	8h. m	s	−29° ′	
9.4	44	39.6	12.2	9.0
8.0	45	4.1	57.1	8.5 GSa
9.2		4.1	26.8	
9.4		6.6	41.1	
10.0		18.6	21.7	
8.6		22.1	17.0	8.5 a
9.8		33.6	55.4	
9.9		49.1	43.2	
9.9	46	0.6	0.9	
8.9		10.6	53.4	9.5 W
9.9		11.6	34.9	
9.8		12.1	36.8	
9.4		23.1	34.8	
9.4		34.1	16.4	
9.5		41.1	37.0	
8.8		44.1	43.3	9.0
9.2		44.6	49.6	9.0
10.0		47.1	21.9	
9.4		49.1	16.8	
9.8		57.1	30.5	
9.9	47	7.3	59.1	
10.0		8.6	38.3	
9.6		13.1	26.0	
8.8		20.1	24.4	8.5 G
9.9		20.1	27.8	
8.8		25.1	31.1	8.5 a
9.8		29.1	47.4	
9.4		50.6	39.5	
9.0		51.1	21.5	9.0
10.0		57.1	5.5	
9.8	48	7.1	13.9	
9.4		17.1	32.1	9.5
9.9		27.1	44.9	
9.4		37.1	48.1	
9.0		38.1	5.1	
9.3		39.1	5.9	
8.8		44.1	35.6	9.0
9.9		51.6	14.6	
9.2	49	4.1	53.3	
10.0		7.1	16.1	
9.2		9.1	25.9	9.0
9.9		20.1	37.1	
9.9		23.1	42.0	
8.7	50	25.1	29.0	9.0 –
9.8		34.1	44.9	
9.4		39.6	1.8	
9.3		40.1	20.5	9.0
9.4		48.1	20.7	
10.0	51	3.6	35.8	
10.0		13.6	13.0	
9.3		23.1	56.1	
9.4		34.1	41.5	
8.8		34.1	42.1	
8.2		48.1	21.8	8.5 G–
10.0	52	7.1	9.8	
10.0	53	3.6	27.1	
9.9		6.1	20.5	
9.9		13.1	10.5	
9.5		19.1	53.3	
9.0		32.1	54.6	
	+1	2.8	−5.6	

2881—2940.

mag.	8h.–9h. m	s	−29° ′	
8.4	53	37.1	8.4	9.0 –
10.0		42.1	45.8	
8.6		43.3	1.2	9.0
9.4		48.1	5.0	
9.4	54	5.1	24.9	
9.1		7.6	3.7	9.5
9.0		8.1	4.7	9.5
9.8		25.1	30.8	
9.6		38.6	54.7	
10.0	55	58.6	1.9	
9.0	56	3.6	34.1	9.0
9.4		17.1	35.1	
9.4		28.1	45.5	
9.2		29.6	38.9	
9.8		51.1	18.5	
8.8		58.7	19.6	9.2
9.4	57	31.4	33.8	
10.0†		46.8	1.9	
9.8	58	13.9	21.7	
8.8		34.9	48.0	9.0 –
8.5		39.4	16.4	8.8 Ga
9.5		40.4	30.5	
9.6	59	14.2	13.0	
9.8		27.2	28.9	
9.8		34.7	34.3	
8.5		57.7	25.0	9.2
9.8	0	12.2	3.1	
9.6		19.6	29.9	
9.8		24.5	1.2	
9.8		25.2	26.9	9.5
9.4		28.2	22.7	
9.8		34.7	46.9	
9.8		52.9	17.2	9.5
10.0†	1	8.3	1.7	
9.8		21.9	22.9	9.0
9.5		43.7	41.2	
8.0	2	11.7	34.9	7.8 GSa
9.8		14.6	7.8	
8.8		28.7	27.1	8.8
9.4		47.7	10.6	
9.1		52.2	25.8	
8.0		57.7	46.2	8.5 a
9.3	3	17.2	29.8	
9.6		34.8	5.3	
8.8		42.8	53.6	9.2
9.8		55.3	42.8	
9.8		59.8	39.2	9.0
9.8	4	8.8	35.7	
7.8		15.3	18.6	7.2 GSa
9.8		18.8	1.4	
9.6		23.3	45.9	9.0
9.8		24.3	22.7	
6.9		38.3	51.4	6.0 GStπ
8.8		54.3	14.4	
9.8	5	47.8	4.4	
9.8		50.8	22.8	
9.3		53.3	38.3	a
9.8	6	20.8	54.7	
9.1		59.3	17.2	9.5
10.0	7	11.8	1.0	
	+1	3.4	−5.9	

2941—3000.

mag.	9h. m	s	−29° ′	
9.6	7	18.6	0.2	
9.3		59.3	43.1	9.0
8.2	8	1.3	9.1	7.2 GSa
9.3		3.7	28.3	
9.6		53.3	6.2	
9.6		58.2	26.2	
8.8	9	6.7	17.3	8.5 G–
9.8		20.5	59.4	
8.6		25.2	38.5	8.2 GSa
8.0		44.2	50.9	8.0 GSa
9.5		56.7	35.6	
10.0†	10	6.3	1.7	
8.6	11	12.2	36.5	8.5 a
10.0		17.3	36.1	
9.0		23.7	25.7	9.0 Wa
9.0		33.7	59.3	–
10.0		54.2	32.2	
9.5	12	8.7	36.2	
10.0		13.3	2.6	
9.8		32.2	45.3	
10.0		45.2	21.7	
9.8		50.3	55.9	
9.4	13	2.7	45.7	
9.4		13.7	0.7	9.0
9.8		49.7	13.2	
9.8		53.2	59.6	
9.2	14	3.7	15.2	9.0 a
8.8		4.7	11.6	8.8 Ga
9.0		16.2	21.2	9.5
9.2		48.2	1.9	
8.8	15	12.7	22.8	8.5 a
8.8		17.2	17.8	9.5 a
9.3	16	0.0	8.7	a
9.3		14.0	24.1	
8.8	17	25.5	20.1	
8.0		26.0	59.5	8.3 GSa
9.8		47.2	23.8	
8.3		52.3	57.4	8.5 GWa
9.6	18	13.5	38.0	
9.3		46.0	13.7	
8.5		55.0	53.1	9.5
9.8		59.5	55.8	
9.1	19	20.0	44.5	
9.2		36.0	27.8	9.5
9.1	20	8.0	59.7	–
9.3		14.0	56.9	
9.5		26.5	41.8	
7.6		47.0	29.7	8.0 GSat
9.6		51.5	42.0	
8.6		55.8	9.0	8.5 Ga
8.8	22	12.7	20.7	9.0 Ga
10.2		21.0	47.3	
10.0	23	7.5	44.7	
10.6		11.5	32.5	
8.8		12.5	14.1	9.5 a
10.2		17.5	7.4	
10.4		23.5	12.6	
9.2		52.5	13.8	
8.9		52.5	27.0	
10.0		53.0	5.0	
	+1	4.3	−6.3	

3001—3060.

mag.	9h. m	s	−29° ′	
9.0	23	59.5	30.3	
10.2	24	3.5	36.5	
9.7		5.0	39.2	
10.6		6.5	16.3	
8.2		45.0	35.8	8.0 GWa
8.8		57.5	16.7	
10.4	25	1.5	20.5	
9.7		5.0	21.2	
8.9		12.0	50.1	9.0 a
9.7		12.0	45.1	
9.7		58.0	50.2	
9.4	26	3.8	58.3	–
10.2		6.5	40.0	
10.4		17.0	49.4	
9.2		56.0	28.5	
10.0	27	15.0	41.7	
10.2		26.1	39.7	
10.6		26.6	38.7	
10.0		29.6	12.9	
10.4		31.1	24.9	
10.0		42.1	56.0	
10.6		54.6	35.2	
8.2	28	34.6	11.0	8.5 Ga
9.6		39.1	20.0	
9.2		40.1	13.8	
8.8		41.1	20.8	9.0 a
10.2		44.6	8.5	
10.2		51.1	28.0	
8.6		52.1	20.8	9.0 a
9.7	29	2.1	7.2	
8.9		18.6	32.3	a
8.9		40.6	52.2	
9.7		45.1	33.8	
10.2	30	8.6	56.9	
10.0		29.6	37.8	
10.6		32.1	37.0	
10.0		34.1	27.1	
9.6		36.1	26.0	a
10.0		42.1	25.3	
10.4		56.1	57.0	
10.6	31	2.5	57.3	
9.6		11.6	55.8	9.0 –
10.0		19.1	49.5	
10.2		32.1	49.9	
7.7		46.1	38.9	7.8 GSat
9.6		52.1	52.3	
8.0	32	1.1	14.4	7.2 GSat
10.0		2.1	12.0	
9.4		15.1	25.7	
9.0		15.1	38.7	9.0
9.4		38.6	40.3	
9.4		42.1	22.0	
9.7		45.6	6.5	
10.0		51.1	48.6	
10.2	33	0.6	11.4	
10.6		21.0	4.8	
10.2		24.7	26.1	
9.6		28.7	31.6	
9.2	34	4.4	1.2	
10.4		4.7	5.1	
25pr.	+ 1	5.2	− 6.6	

3061—3120.

mag.	9h. m	s	−29° ′	
8.4	34	7.7	18.3	7.8 Ga
10.0		18.2	19.2	
9.6		18.7	36.9	
9.7		34.1	58.1	
8.0		35.4	56.1	8.2 Ga
9.9		46.2	9.9	
9.7		53.7	54.9	
10.4		54.7	0.1	
10.0	35	6.2	42.3	
8.9		24.9	59.9	9.5 –
9.0		29.7	22.2	
10.4		34.2	48.3	
9.2		46.2	23.6	
9.8	36	0.7	16.7	
9.8		20.7	12.5	
8.4		22.7	31.1	9.0 a
8.0		24.2	44.1	7.0 GSat
10.4	37	6.0	45.0	
9.9		6.2	20.1	
10.6		14.6	57.5	
9.7		42.2	49.9	
8.4		52.2	14.1	8.2 GW=
10.6	38	20.7	11.1	
8.4		32.2	44.7	8.5 =
8.9		37.2	38.5	9.0
10.2		42.2	36.4	
9.8		42.7	6.1	
9.8		54.2	47.5	
10.0	39	2.2	28.2	
9.2		8.1	3.0	
10.2		15.2	10.9	
9.6		41.2	42.5	9.5
10.6		41.2	3.4	
6.3		52.2	37.7	6.8 GSct
9.9	41	8.2	36.1	
9.4		18.2	29.1	9.0
9.2		37.5	13.1	
8.9		40.5	41.6	8.5 W–
9.2		44.5	13.8	
10.2		49.5	34.7	
9.4		52.0	22.5	
9.4		55.0	34.5	9.0
10.6		59.5	20.9	
8.2	42	4.5	6.6	8.3 Ga
10.4		11.8	59.1	
9.4		25.0	52.1	
10.4		25.5	27.7	
10.6		39.6	57.1	
9.8		41.5	38.2	
10.2		43.5	36.5	
10.4		52.0	18.3	
8.6	43	2.0	44.5	8.5 GWa
9.7		17.0	8.8	9.5
9.9		21.0	11.7	
9.8		38.5	44.6	
8.4		51.5	51.4	9.0 Ga
8.4		53.0	38.3	
10.6	44	25.5	10.9	
7.8		32.0	19.2	8.2 Ga
8.9		55.5	52.9	a
	+ 1	5.9	− 6.8	

3121—3180.

mag.	9h. m	s	−29° ′	
9.6	45	5.5	48.7	
9.8		22.0	32.0	
9.8		32.2	30.5	
9.1	46	24.9	22.4	
10.0		45.2	50.4	
10.2		46.4	47.2	
10.0		47.4	23.0	
9.2		49.4	11.1	–
9.0	47	10.4	16.5	9.0 a
10.2		11.9	6.4	
8.7		14.9	46.8	
10.2		45.4	21.6	
9.0		59.9	9.0	9.0 –
9.4	48	0.9	51.7	
9.4		6.9	24.5	
10.0	49	8.2	28.1	
8.6		14.4	7.1	a
9.5		31.9	2.5	a
9.5	50	1.4	19.5	
10.0		18.9	52.1	
10.2		42.9	19.8	
8.7		51.9	45.7	9.0
10.4		59.4	2.1	
8.7	51	1.9	20.7	8.0 Ga
9.0		1.9	31.8	Wa
9.4		3.4	47.9	
10.4		14.2	30.9	
9.8		29.4	8.1	
10.4		41.4	45.4	
9.5	52	2.9	5.3	
9.6		3.2	51.4	
9.4		12.4	52.2	
9.4		24.9	48.1	a
8.7		32.4	1.7	9.0 –
9.6		32.9	22.8	
9.0		52.9	37.3	a
9.8	53	14.9	3.7	
9.0	54	17.9	40.1	a
9.6		32.4	25.6	
9.4		53.4	8.1	9.2 a
9.8		54.9	6.0	
9.2		56.9	6.7	
10.0	55	1.9	52.5	
10.2		8.9	35.0	
10.4		11.9	7.1	
9.4		20.2	22.5	9.5
9.0		24.9	22.9	9.5 –
9.0		30.9	29.7	9.2 –
10.0	56	32.9	19.6	
9.8	57	1.2	33.8	
7.4		13.7	58.5	6.8 GSbt
8.6		25.7	40.0	9.0 W
9.0		29.2	18.2	
9.6		31.6	56.9	
10.0		33.2	50.9	
10.4		47.1	57.8	
10.4		52.2	34.0	
8.1		53.7	38.6	8.5 W=
10.0	58	2.8	1.0	
8.8		29.2	52.9	a
	+ 1	6.8	− 7.1	

3181—3240.

mag.	9h.–10h. m	s	−29° ′	
9.4	58	45.7	47.6	
8.7	59	20.1	56.5	9.3 a
8.6		31.2	38.0	–
9.6		41.2	15.0	
9.4		51.2	57.7	9.2 a
10.4		51.2	3.2	
9.5	0	36.2	11.8	
8.3		50.2	30.6	9.0 Ga
10.0		59.7	26.4	
8.8	1	12.2	21.1	a
10.2		13.3	0.6	
9.6		39.2	53.2	
10.4		45.0	57.6	
10.0	2	3.5	3.0	
9.8		3.7	44.3	
10.4		4.6	26.6	a
8.4		11.2	37.8	9.0 a
10.4		17.2	44.1	
10.0		23.7	39.0	
10.0		32.2	21.0	
10.2	3	8.2	21.2	
9.4		14.2	17.5	
8.2		14.2	8.3	8.5 Ga
10.1†		23.8	2.3	
9.8		40.7	18.1	
10.2	4	15.8	1.0	
10.0		25.2	44.2	
9.6	5	32.2	53.0	
9.2	6	1.7	7.8	10.0 a
9.6	7	23.2	33.7	
10.0		27.2	34.9	
8.6		47.2	48.7	8.3 GW≡
10.2		54.7	3.2	
10.2		·54.7	59.5	
9.6	8	37.2	24.5	
10.4		57.4	2.1	
10.2	9	22.9	7.4	
9.7		32.4	7.8	
9.7	10	34.6	13.1	
9.7		48.1	47.5	–
8.1	11	18.8	2.8	8.0 G=
10.1		41.5	8.8	
8.6		57.5	20.8	b
9.6	12	47.1	28.2	
9.4	13	17.6	39.2	
9.7		29.1	55.4	
10.0		41.6	21.1	
10.1	14	23.1	20.0	
9.0		48.1	53.1	8.0 =
8.6	15	48.1	37.2	9.5
8.4		49.6	18.5	8.0 GSbt
9.8	17	22.6	32.6	
7.4		29.6	31.7	6.7 GSct
9.4		47.6	28.3	8.7 G
8.5	18	5.6	39.0	8.0 Wa
7.9		10.8	1.1	7.0 GStr
10.1		11.1	47.8	
10.0		25.1	47.4	
9.6		34.1	32.7	
10.1		43.3	58.0	9.5
	+ 1	7.9	− 7.4	

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3241—3300.

mag.	10^h m	s	—29° ′	
8.5	19	12.1	19.0	8.2 a
10.1		17.1	44.3	
10.1	20	13.5	4.0	
8.2		27.5	29.2	8.5 a
8.9		32.0	13.6	8.8 a
10.1		33.0	38.6	
8.4		36.5	59.8	9.0 ≡
8.2		40.5	22.5	8.3 Ga
7.8	21	6.5	26.2	8.5 Ga
10.1		12.5	33.7	
10.1		36.5	41.3	
10.0		49.0	9.4	9.5
8.9	22	16.5	3.7	8.7 a
10.0		24.5	12.6	
9.8		45.5	36.1	
8.8	23	2.0	5.8	9.0 a
10.1		31.5	55.7	
8.5		34.5	54.0	8.5 GWa
7.9		43.3	1.7	6.0 GStπ
6.2		50.5	58.1	6.0 GStπ
10.1		56.0	18.2	
8.9	24	9.0	51.8	8.8 a
9.4		52.5	8.2	
9.6	25	48.5	18.2	
10.1		56.0	31.9	
9.7		56.5	3.2	9.0
9.0	26	12.5	53.4	9.5 –
10.0		16.5	57.1	9.5 –
9.8		27.3	56.9	9.2
10.1		37.5	55.3	
10.1	27	9.5	6.2	
9.8		17.5	3.3	
8.9		57.0	40.4	9.0 –
10.1	28	30.5	10.1	
8.6		32.5	44.6	
9.7		38.5	50.0	
10.1		45.0	19.3	
8.9	29	23.2	41.4	9.0 W≡
9.6		44.2	19.7	
10.0		56.2	19.1	
9.7	30	27.2	50.7	
9.2		53.2	4.1	
8.9		54.2	54.8	a
9.8	31	2.2	46.6	
8.5		36.2	20.1	8.5 Ga
9.9		43.2	46.3	
10.0	32	8.2	26.9	
9.7		26.2	7.5	
9.7		52.2	54.1	
9.6		52.2	30.1	
10.1		56.2	5.7	
9.9	33	1.4	17.7	
10.0		3.0	36.3	
9.4		15.2	0.8	
9.4		25.0	14.4	9.0 a
10.1		35.0	30.1	
9.2		57.7	9.4	9.5 a
9.8	34	6.3	41.9	
9.5		16.0	11.1	9.8 a
9.5		17.0	12.3	9.2 a
25pr.	+ 1	9.4	−7.7	

3301—3360.

mag.	10^h m	s	—29° ′	
10.5	34	35.7	21.4	
8.9		40.0	5.9	8.5 b
9.8		52.3	21.6	
9.8		56.5	57.2	
8.8		59.8	5.7	8.2 Gb
8.2	35	35.8	52.9	8.8 Ga
10.0		56.4	4.0	
10.5	36	5.4	18.3	
9.8		7.4	51.6	
9.8		22.9	26.2	
10.5		36.2	2.2	
9.2		36.9	37.7	9.5 a
10.5	37	8.9	29.4	
9.8		23.4	10.2	
10.0		24.9	41.8	
9.6		27.4	28.6	
9.6		34.9	11.0	
10.5		45.4	57.5	
10.0		57.4	14.0	
9.6	38	5.4	0.4	
9.8		45.4	42.4	
8.6	39	12.4	1.7	7.8 atπ
10.5		34.9	50.0	
10.5		35.4	1.5	
9.8	40	12.4	5.6	
9.6		18.2	58.0	
9.6		35.9	6.0	
10.0		52.9	16.3	
9.8		53.4	46.7	
10.0		54.7	41.4	
9.6	41	15.4	22.8	
10.5		25.4	44.8	
8.9		34.7	58.7	9.0 W–
10.5		39.4	52.8	
9.3		58.4	55.6	
10.5	42	22.4	2.0	
10.4		37.4	20.1	
8.6	43	10.4	49.0	9.0 W–
10.5		11.4	4.0	
9.8		14.9	0.1	
9.8		16.4	6.3	
8.0		19.7	59.0	8.2 Wa
8.9		20.5	57.5	9.5
9.6		21.1	40.8	
7.9		31.1	53.5	8.3 Wb
9.6		41.1	11.4	
8.0		42.1	20.0	8.0 W=
10.5		56.6	55.4	
9.4	44	1.6	56.6	
9.3		25.1	52.6	9.0
9.8		37.1	27.2	
8.9		39.6	42.6	9.2
9.8	45	17.1	12.5	
10.2		34.6	7.2	
10.5		34.6	39.0	
10.5		49.9	58.0	
9.6		52.1	4.0	9.5
9.5		55.1	6.8	
10.5	46	9.1	31.3	
10.0		11.1	16.5	
	+ 1	10.4	−7.9	

3361—3420.

mag.	10^h m	s	—29° ′	
9.2	46	13.1	22.2	
9.2		15.1	38.6	
10.2		15.6	55.6	
9.2		16.1	25.0	9.0 GWa
8.8		35.1	31.1	8.2 Wa
10.3		57.1	4.6	
10.0		57.1	25.4	
8.7	47	2.1	40.8	W–
8.4		20.6	25.8	8.0 GWa
9.3		28.1	38.2	
9.6		40.6	17.0	9.2
8.2		48.1	14.8	8.5 a
9.0	48	3.4	58.3	9.0
9.5		15.1	8.6	
10.3		22.1	18.6	
9.2		35.1	48.8	9.0 –
9.8		41.6	47.3	
9.8		43.1	6.6	
8.2		55.1	40.2	8.2 GWa
8.9	49	22.6	57.2	8.8 –
10.0		35.6	3.7	
9.8		41.5	5.2	
9.6	50	1.6	5.7	
9.8		2.1	28.1	
10.0		6.1	32.5	
10.0		13.1	35.5	
10.5		15.6	32.2	
10.2		41.1	3.5	
9.2		48.9	1.4	9.5
9.3		51.1	3.9	9.5
9.3	51	16.6	20.7	
9.2		21.6	53.6	9.5
10.3		22.5	2.2	
9.6		22.6	29.5	
10.0		25.1	58.1	
10.0		29.1	58.6	
10.0		38.6	52.1	
8.8		42.6	35.5	9.0 ≡
10.4		52.1	13.9	
10.2	52	54.6	36.8	
9.8	53	8.6	23.2	
9.4		15.6	16.0	9.5
10.0		20.1	5.5	
10.5		31.6	39.6	
10.0		49.6	20.9	
10.3	54	2.3	2.2	
10.0		18.6	48.4	
10.2		48.6	26.6	
8.9		52.1	13.1	9.5
9.0	55	5.6	18.7	9.5
10.5		7.5	34.8	
9.2		29.6	3.5	9.0
9.6		30.6	33.2	
9.0		55.6	12.0	9.0 a
9.0	56	18.1	14.8	
10.0		42.6	49.5	
10.0		44.6	53.9	
9.2	57	5.8	49.9	
9.2		9.0	30.5	8.5 a
9.6		30.4	7.3	9.2 a
	+ 1	11.2	−8.0	

3421—3480.

mag.	10^h—11^h m	s	—29° ′	
9.2	57	35.7	35.5	9.0 a
9.8		42.4	1.3	a
9.8		57.8	5.4	9.3 a
8.9		58.0	9.1	8.8 a
10.0	58	11.4	12.6	
10.0		14.4	50.0	
10.2		39.1	21.7	
8.2	59	13.1	45.6	7.5 GSat
9.0		18.6	51.5	9.2 W
9.5		51.6	0.1	
9.3	0	9.1	36.7	a
8.5		20.1	17.5	8.5 a
10.2		31.6	8.2	9.5
7.4		53.1	52.6	7.0 GSat
9.5	1	12.9	0.8	W–
9.0		17.1	49.6	10.0
7.6		57.6	29.6	6.8 GSat
7.1	2	15.1	17.7	6.5 GSat
8.2		33.6	27.0	8.0 Ga
8.0		37.6	4.3	7.5 GSbt
9.0	3	8.1	40.2	9.0
10.2		51.6	12.8	
8.1		56.6	7.0	7.0 GSbt
8.6	4	33.1	46.6	a
10.2		51.1	45.1	
9.5	5	8.6	26.9	9.5
10.2		36.1	59.4	
8.4	6	16.1	6.2	7.3 GSat
9.5		23.6	14.9	
10.2		50.3	41.2	
10.2†		51.6	0.6	
8.6	7	3.6	10.0	9.0 Ga
9.6		13.9	55.2	–
9.2		29.9	34.4	
9.0		32.7	15.2	9.5 a
9.2		45.4	23.0	9.0 a
8.9	8	15.9	28.9	9.5
8.6		19.4	13.4	9.0 a
8.6		23.4	54.8	9.0 =
10.2		31.9	7.9	
10.2		35.5	1.8	
9.4		44.9	37.8	
9.4	9	28.9	25.5	9.0
9.8	10	18.9	51.2	
10.2		27.5	1.9	
8.9		35.4	25.9	9.5
9.6	12	12.4	55.1	
9.8		45.4	47.4	
9.6	13	14.9	45.7	
7.6		20.9	38.3	8.0 Ga
8.2		50.9	45.7	8.2 GWa
9.6		56.3	1.2	
10.2	14	11.4	18.1	
9.4		23.9	23.3	
9.4		46.4	34.7	9.0
9.8		51.9	23.0	
9.2	15	4.4	15.3	9.0 a
9.2		9.9	17.8	9.0 a
9.4	17	16.3	2.7	
9.6		19.9	1.4	
	+ 1	12.5	−8.1	

3481—3540.

mag.	11h. m	s	—29° ′	
9·0	17	31·9	48·3	9·0 =
10·2		53·0	0·3	
9·3	18	22·4	4·5	9·5
9·0		30·8	32·2	9·5 —
10·2		43·7	35·1	
9·5	19	47·3	33·0	
8·6	20	52·4	14·9	8·8 a
9·5	21	35·1	40·6	
8·0		41·7	48·5	8·8 G≥
9·2	22	43·7	45·5	9·5
9·7	23	21·7	49·3	
10·4		47·6	15·7	
10·4		49·2	45·6	10·0
8·2	24	21·7	44·9	8·5 a
8·8		43·2	49·6	9·0 a
8·8		51·7	34·4	9·0 W
8·8	25	21·2	52·2	8·8 a
10·2		51·7	47·5	
8·5	26	5·7	44·2	a
10·2		24·2	52·1	
9·4		44·7	47·0	
10·2	27	3·7	38·5	
8·8		11·7	59·4	9·5
7·8		35·7	57·9	8·2 Ga
9·7		50·2	25·9	
8·8	28	2·2	49·6	9·5 —
9·4		9·7	55·0	9·7
9·8		25·7	10·7	
7·8		49·7	20·5	7·7 GSa
8·8	29	36·2	6·9	9·2
9·4	30	25·7	8·3	9·0 a
9·6	31	30·7	36·9	
10·4		47·6	20·1	
8·8	32	14·2	36·0	9·2
10·4		42·6	13·2	
9·4		42·7	49·5	
8·2	33	2·7	39·3	9·0 Ga
9·0		18·7	0·9	
9·0		20·2	47·5	9·0 —
8·2		46·2	47·2	8·0 GWa
9·2	34	23·7	26·7	8·8
9·8		51·2	2·3	8·5
8·6		53·2	35·3	8·5
10·4	35	28·2	59·9	
9·4		39·2	13·3	
9·8	36	10·2	20·7	
9·2		42·2	20·1	8·8 a
7·6	37	42·7	3·4	7·0 GSa
10·4		57·2	16·2	
9·6	38	2·2	17·3	9·0
8·2		23·5	11·6	8·0 Ga
8·4	39	14·0	48·2	9·0 —
10·4		37·0	41·8	
10·2	40	5·5	28·6	
10·0		8·0	20·1	9·0
10·4		12·5	9·9	9·0 a
8·4		45·0	48·4	8·5 G=
7·3	41	2·0	35·0	7·0 GSb=
10·4		16·8	9·1	
9·7	42	55·0	2·6	
25pr.	+1	14·3	—8·3	

3541—3600.

mag.	11h.–12h. m	s	—29° ′	
9·0	42	56·5	58·4	8·5 a
10·4	43	17·0	19·4	
10·0		35·5	7·5	
10·4		49·3	50·1	9·0
9·0		57·0	50·7	9·0 a
8·4	47	45·6	17·1	8·5 Ga
9·6		54·6	27·3	
9·2	48	50·6	8·9	9·0
9·1	49	29·6	7·0	9·0 a
9·6		51·6	29·0	
9·6	50	18·6	26·7	
9·6		39·6	28·5	
9·6	51	31·9	58·3	9·5
9·6		33·6	20·0	
7·8	53	0·6	21·8	7·0 GSat
9·2		7·6	39·1	
9·6		18·6	55·7	
8·8		23·1	54·2	9·0 ≡
9·6		25·9	17·6	
9·5		51·4	2·1	8·8 a
8·0	54	1·9	54·2	7·8 Ga
7·7		1·9	38·3	8·0 Ga
9·6		25·4	0·4	9·0
8·8		38·1	0·3	9·0
9·6		58·4	45·2	
9·0	55	37·4	47·4	9·0 a
9·5		40·9	44·5	
8·4		49·9	54·6	8·0 Ga
9·6	56	3·4	50·9	
9·6		3·9	39·8	
9·6	57	31·9	43·8	
10·0†		32·4	1·9	
9·0		34·4	55·8	9·0 a
9·6	58	51·2	11·4	
8·4	59	10·7	19·1	8·5 a
8·8		43·7	29·5	8·8 a
9·6	1	8·2	26·3	
9·6		33·6	59·8	
9·6		39·7	55·1	
8·8	2	22·7	32·3	9·2
9·6	3	16·7	37·4	
9·6	4	9·2	15·6	
8·4		29·2	28·2	8·5 a
9·6	5	3·2	42·7	
7·6		14·2	54·7	7·8 GStπ
9·4	7	10·0	24·1	
9·6		28·4	3·2	
9·6		42·5	29·6	—
9·6		43·0	48·7	
9·6		59·0	15·6	
9·6	8	12·0	35·7	9·0 —
9·6		15·0	14·4	
8·8		29·0	4·5	9·0 a
9·6	9	36·1	45·2	
9·5		56·6	16·0	
9·6	10	4·3	37·7	
9·6		16·6	12·1	
9·6	11	44·8	50·2	9·0
9·4	12	10·1	32·0	
8·2		17·1	16·0	8·0 Gb—
	+1	16·6	—8·4	

3601—3660.

mag.	12h. m	s	—29° ′	
9·5	12	32·6	40·7	
9·6		54·5	1·0	
9·2	13	2·1	10·1	
8·2	14	2·6	44·8	8·5 a
8·3		16·6	53·1	8·0 a
9·2		43·6	51·7	8·8
9·5		45·6	38·8	
8·4		52·3	1·9	8·2 GW=
9·1		58·1	47·5	8·2 G≥
9·6	15	29·6	26·6	
8·7	16	25·1	38·6	8·8 =
9·3		49·1	6·8	
8·6	17	13·6	59·8	9·5 a
7·8		15·6	38·4	6·8 GSat
9·2		21·6	27·9	8·2
8·4		29·1	48·7	8·5 a
9·6		52·6	42·8	
9·1	18	5·1	32·4	8·5 =
9·6		35·6	45·4	
8·6		52·1	19·8	8·2 G=
8·9		54·6	58·6	
9·0	19	5·6	4·8	—
8·7	20	34·0	58·4	9·0 —
8·5		53·7	5·5	8·0 b
8·0		54·7	23·5	8·0 GWa
9·2	21	9·2	43·8	
9·3		20·7	38·5	
9·4		31·7	42·6	
8·7	23	29·2	50·5	8·6 G=
9·1		34·2	57·8	9·0
8·8		35·2	51·7	8·1 G≥
8·8	24	11·7	53·8	9·0
7·8		20·0	59·3	7·6 GSb
9·5		47·2	45·5	
9·6	25	27·5	56·9	
8·7		35·2	1·5	9·0
9·5		35·3	9·2	
7·8	26	14·7	21·3	7·0 GSa
9·6		32·6	39·1	
9·6	27	29·1	28·1	9·0
8·9	28	51·1	37·1	9·0 a
8·4		57·1	23·7	8·2 G=
9·2	29	15·3	57·0	
9·0	30	32·3	0·8	
9·5		32·6	49·9	9·0
8·7		55·1	52·9	9·0 G—
9·6	31	11·1	40·9	
9·4		41·6	20·3	
9·6	32	5·1	11·2	
9·2		5·6	25·5	9·5 —
7·6		25·1	44·1	6·2 GSct
9·4	33	2·1	40·8	
8·2		37·2	13·8	8·0 Ga
9·7		50·6	37·0	
8·4	36	5·2	21·5	9·0 G—
8·6		25·2	33·8	8·8 b—
8·8		31·2	8·5	
8·4		32·2	33·6	9·0 a
8·1	38	39·7	6·0	8·3 GWa
9·1	39	11·7	30·3	
	+1	18·8	—8·3	

3661—3720.

mag.	12h.–13h. m	s	—29° ′	
9·1	40	6·7	21·6	9·0
8·8		39·2	31·6	—
9·0		59·7	6·7	8·3 a
9·7	41	58·7	34·8	
9·4	42	53·8	57·7	8·5
9·0	43	11·7	57·5	
8·0		40·2	53·8	7·5 GSb>
9·6		48·2	49·6	
9·2	44	2·7	3·4	
9·2		19·2	0·6	
9·0		32·7	47·6	8·5 G—
8·1	45	22·5	57·9	8·2 a
9·6	46	20·2	23·4	9·0 G
8·2		32·7	20·0	7·5 GSa
9·2		33·7	35·0	8·5
9·2		34·7	31·6	9·2
9·3	47	15·7	0·8	
9·8		57·2	31·3	
9·6	48	4·7	33·0	
9·0		25·4	0·6	9·0 a
7·0		46·7	23·4	7·0 GSa
9·8	49	33·2	3·0	
9·3		38·2	27·2	9·0
9·8		38·2	26·7	9·0
9·1		51·2	19·5	
9·0	50	33·2	28·4	9·0
9·7		33·2	44·0	
9·1		51·2	36·3	
9·4	51	56·2	17·2	
9·0	52	8·2	43·4	
8·3		10·7	19·3	7·5 GSa
9·8		23·2	55·0	
8·4		24·7	36·1	8·5 =
9·9		41·2	16·7	
9·6		56·2	44·6	
9·7	53	20·2	28·6	
9·1		22·2	55·8	8·5 G≥
9·2	54	21·7	31·2	8·5 G=
9·2		31·7	46·1	
9·8	55	18·7	5·1	
9·2		49·7	58·2	9·0
9·9		53·7	8·7	
9·2		59·1	12·6	
8·4		59·2	40·0	8·0 Ga
9·9	56	8·6	12·1	
8·4		39·1	11·2	8·5 Ga
8·3		52·6	54·7	9·0 b
8·8	58	16·1	31·5	9·0 —
8·8		25·3	26·0	9·0 —
9·7	59	39·8	7·1	9·0 G
9·9†	0	1·6	0·8	
8·9		10·1	31·4	8·0 G—
9·4		41·6	30·2	9·0
7·4		47·6	46·0	7·8 GSa
9·3	1	39·6	52·7	
9·0		51·6	22·5	9·0
9·3	2	12·6	20·1	
9·2		30·1	38·5	
9·4		31·6	9·9	
8·9		32·9	56·5	8·5 G—
	+1	21·1	—8·1	

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3721—3780.

mag.	13h. m	s	—29° ′	
8.8	4	2.3	52.8	9.0
9.0		35.3	31.5	9.5 =
8.2	5	35.3	38.2	8.5 =
9.7		39.8	38.1	
9.6	6	22.8	26.4	9.0 G
9.2	7	9.3	40.1	9.2
9.2		12.3	12.6	9.0 a
8.3	8	11.3	31.0	8.0 GWa
8.7		30.3	53.8	9.0 G=
9.4	9	42.8	35.2	
9.2		52.3	25.2	
7.8		58.8	56.0	7.5 GSat
9.6	10	5.8	21.2	
9.7		32.1	1.3	
9.2		41.8	29.0	
8.4		46.3	44.5	8.5 G=
9.6	11	7.8	30.1	
9.6		21.3	16.4	
9.2		44.4	13.1	
9.4		45.9	53.2	
9.4	12	8.4	54.7	
9.4		9.4	41.5	
7.8		47.4	40.4	8.5 a
8.9	13	46.9	8.0	9.0 a
9.7	14	28.9	52.2	
9.4		31.9	19.3	9.5
9.2		50.9	33.9	9.0
9.3		57.9	48.0	
8.5	15	45.9	32.5	9.5 –
8.9	16	0.9	54.3	9.0
9.2		18.9	42.5	9.0
9.2	17	31.4	46.9	9.5
8.6	18	9.9	43.8	9.5
8.2		14.9	43.6	8.5 Ga
9.7		24.9	42.0	9.5
9.7	19	9.4	15.9	
9.7		48.4	46.2	
9.2	20	42.4	15.1	
9.0	21	2.7	8.6	9.5
9.4		14.7	34.6	
9.9		29.4	43.0	
10.4		29.9	52.8	
9.6		30.1	49.1	
9.4		59.6	29.3	
10.4	22	3.9	19.2	
9.4		6.4	33.8	9.5 –
9.6		12.9	30.7	9.0 a
10.2		19.9	17.9	
9.2		51.9	25.4	
10.0	23	12.4	52.1	
10.3		27.1	24.4	
10.3		35.6	46.8	
10.2		51.6	22.0	
9.6	24	28.1	32.4	
10.3		45.6	4.3	
9.9	25	4.6	49.4	9.0
10.3		48.1	32.9	
9.4	26	7.1	20.1	
9.0		37.8	59.4	8.5 –
10.3		43.1	56.9	
25pr.	+1	23.0	–7.9	

3781—3840.

mag.	13h. m	s	—29° ′	
10.4	27	0.1	46.9	
10.2		1.1	5.4	
9.6		4.1	0.1	9.0 a
10.3		48.1	33.0	
8.2		57.1	16.9	–
9.2	28	3.6	39.8	
9.0		10.1	38.4	
10.4		53.3	59.2	
9.6	29	1.6	45.2	
9.0		12.9	1.3	9.0
10.2		29.6	52.1	
9.6		49.6	20.0	
10.4		58.6	13.7	G
9.4	30	7.1	38.2	9.0
10.3		13.6	17.9	
9.4		19.1	32.1	9.0 a
9.4		33.6	26.7	9.0 a
10.3		37.1	15.2	
7.6	31	22.1	12.2	7.0 GStπ
10.3		38.1	37.6	
10.3		39.1	16.7	
10.0		46.6	28.1	
8.2	32	0.6	38.3	8.2 Ga
8.6		3.6	37.3	9.0
10.4		24.1	55.6	
9.0		26.6	43.1	9.0
10.2		34.1	38.9	
10.3	33	35.4	51.9	
10.4		37.9	27.0	
10.4		51.4	13.3	
8.3		58.9	5.8	7.8 GSat
9.2	34	11.9	54.6	9.0
8.4		11.9	16.6	8.5 Ga
9.6		29.4	57.4	9.0
9.0		36.4	26.2	8.5 =
10.3		40.4	31.7	
10.4		42.4	11.0	
9.0		52.4	6.5	9.0
10.4		56.9	36.2	
8.2	35	12.4	8.2	9.0 a
9.6		13.9	5.3	9.0 a
7.4		56.9	33.0	7.5 GSa
9.6	36	3.4	57.5	9.5
10.4		44.5	59.6	
9.8		54.4	34.9	
10.4	37	3.1	1.8	
9.9		3.9	14.6	
10.0		10.9	59.7	
10.4		16.9	3.9	
9.0		21.9	29.9	
9.9		46.9	44.6	
10.0		51.9	47.1	
9.4		53.9	41.3	
10.4	38	7.9	15.3	
8.2		24.4	48.6	8.5 a
9.2		47.9	27.0	
8.9		54.9	38.0	
10.3	39	2.4	34.7	
8.2		11.4	50.7	8.0 Ga
9.4		52.8	2.7	9.0 a
	+1	24.3	–7.7	

3841—3900.

mag.	13h. m	s	—29° ′	
10.3	40	7.9	46.2	
9.6		8.9	45.9	
9.4		35.9	41.9	
9.4	41	16.9	24.1	
9.0		26.4	36.3	9.0 –
9.2		45.4	27.5	9.0
8.1		47.4	2.3	7.8 GSa
9.8		51.4	44.6	
9.9	42	21.9	8.3	
9.4		51.4	26.9	
9.2	43	21.9	42.2	
8.6		31.9	38.3	a
7.7		37.4	15.1	7.0 GSa
9.9		45.4	25.2	
8.5	44	0.8	56.8	7.5 Ga
9.4		6.4	26.8	
10.3		24.4	42.6	
8.7		25.4	48.5	8.5 –
8.4		41.4	42.8	8.0 a
10.3		41.9	50.0	
10.3		49.9	12.9	
10.2		53.4	14.2	
10.4	45	12.4	43.3	
10.2		22.9	39.5	
8.9		29.4	51.5	8.5 a
8.7		32.6	23.9	
9.6		57.6	33.0	
10.4		57.9	58.2	
9.2		58.4	42.6	
9.3	46	10.6	38.0	
8.8		31.3	59.0	8.5
8.4		41.8	40.0	8.0 =
7.9		45.1	23.6	8.0 –
9.4	47	40.8	7.4	
9.5	48	25.3	25.3	
7.5		44.1	57.9	7.0 GSa
8.4		53.8	16.2	8.0 Ga
8.6	49	8.8	33.8	
9.5		55.3	52.2	9.0
9.5	50	2.3	44.9	
9.0		4.8	10.0	
9.5		5.3	31.3	
9.5		41.8	54.3	
8.0	51	0.8	7.9	7.5 GSat
8.3		7.8	27.8	8.5 a
8.2		48.8	32.7	8.0 a
8.8	52	11.8	6.9	
9.2		20.3	36.7	
9.1		29.1	56.6	
9.5		33.8	37.2	
9.5	53	32.8	50.6	
9.0		33.9	58.6	
9.0		37.8	3.2	9.0 –
8.9	54	40.6	24.3	
9.1	55	53.1	51.1	
9.5		54.6	54.9	
9.3		56.6	45.8	
9.5	56	3.6	20.4	
9.0		8.6	32.4	
9.0		10.6	2.6	
	+1	25.2	–7.5	

3901—3960.

mag.	13h.-14h. m	s	—29° ′	
8.7	56	18.6	59.8	8.2 Ga
9.5		32.6	52.3	
9.5	57	1.6	47.0	
8.4		12.6	17.8	8.0 Ga
9.5		32.6	33.8	
9.5		36.1	12.0	
8.9		42.6	20.8	9.5
8.7		58.6	36.2	
9.0	58	26.6	44.3	–
9.5		31.6	57.8	
8.5		32.1	59.8	8.5 a
8.7	59	23.6	4.8	9.0
9.5		28.1	40.0	
8.8	0	48.1	9.0	9.0 –
9.0		53.6	57.4	9.5
9.5	1	27.1	49.0	
9.5		45.6	50.2	
8.2		46.6	30.2	8.0 ≡
8.4		48.1	58.8	9.0
8.7		50.6	15.7	
9.5		56.1	38.0	
9.5	2	37.1	16.0	
8.5		40.1	51.0	8.5 a
9.5		44.6	15.8	
9.0		56.6	58.6	
9.5		57.6	35.6	
9.0	3	6.6	58.6	9.0 b
7.4		9.6	29.7	7.5 GSb=
9.5		29.1	4.0	
8.3	4	5.6	11.6	GSa
9.5		12.1	55.8	
9.5		25.1	11.0	
8.8		36.6	18.3	9.0
9.4		37.6	31.4	
9.5		40.6	48.2	
9.1		56.1	8.3	
9.5	5	21.3	39.0	9.5
9.5		24.1	12.6	
8.4		42.6	24.8	8.5 a
9.5	6	17.1	56.5	
9.0		40.6	34.9	9.0
9.2		56.1	41.2	
8.3	7	4.1	36.2	8.5 =
8.8		16.6	56.9	
8.8		49.9	59.7	9.0
9.1	8	23.1	58.0	9.0
8.8		31.6	7.0	8.8 G
8.4		40.6	13.4	8.5 a
9.1		41.6	5.1	9.5
9.5		43.6	41.6	
9.1	9	17.1	41.3	–
8.8		32.6	23.3	8.5 G
9.3		33.6	37.2	
9.1	10	18.3	20.9	
9.7		20.3	41.4	
9.7		22.3	35.1	
9.0	11	6.3	58.0	
9.7	12	51.3	31.9	
8.8	13	6.3	27.5	8.8 a
9.4		28.2	57.0	
	+1	26.6	–7.2	

3961—4020.

mag.	14h. m	s	—29° ′	
9.7	14	48.3	21.1	9.5
9.7		57.3	52.2	
9.7	15	23.6	1.1	
8.7		26.8	31.7	8.5 G=
9.3		32.6	33.1	9.0
9.7		43.6	55.0	
9.7	16	5.6	29.8	
8.8		13.1	14.7	–
9.6		17.1	18.0	
9.6†		36.5	0.9	
7.5		37.1	6.4	7.0 GSat
9.6		57.6	33.3	
9.6	17	13.6	55.4	
9.3		14.6	30.5	–
9.0		16.1	37.4	
8.0		19.1	3.1	8.0 GSa
9.6		45.6	1.1	
9.7	18	4.1	39.2	
8.3		40.6	43.1	7.5 Ga
9.7	19	58.8	30.4	9.5 G
8.9	20	25.1	25.1	9.5
8.6	21	0.6	55.9	8.2 ≡
9.6		47.6	10.5	
8.4	22	10.1	8.9	8.5 Ga
9.2		25.1	22.1	9.0 –
9.7		32.1	26.7	
8.0		39.6	4.5	8.0 Ga
9.0	23	34.1	37.4	9.0 G
8.8		37.1	32.3	8.0 Gb
9.7		39.8	22.8	
9.6	24	43.6	54.5	
9.7		56.1	53.8	9.5
9.0	25	17.1	46.5	8.8 =
9.0		56.9	1.5	9.0 a
9.6	26	7.1	57.4	
8.4		39.6	7.2	8.8 Ga
9.6		43.1	31.4	9.0
8.8		52.1	54.7	9.0
9.7	27	14.1	55.2	
9.4	28	2.6	20.1	
9.4		26.1	43.1	8.8 –
9.4		36.6	56.4	
8.6		56.1	58.5	9.0
8.6		57.1	38.9	9.0 a
9.1	29	18.6	5.5	8.5
9.4		19.1	21.7	
8.8		41.6	35.6	9.2 a
8.6		49.1	37.8	8.0 Ga
8.2	30	6.6	8.3	8.0 Ga
9.1		8.1	8.4	9.0 G|
9.4		19.5	57.9	
9.1	31	22.0	45.4	
9.0		36.5	58.7	
9.6		59.0	42.5	
9.2	32	53.8	52.5	
8.2		59.4	59.9	8.0 Ga
9.8	33	23.7	1.0	
7.2	34	22.5	9.7	7.0 GSat
9.6		24.0	58.7	
9.2		52.7	59.9	
25pr.	+1	27.9	−6.8	

4021—4080.

mag.	14h. m	s	—29° ′	
9.3	35	7.5	22.8	
8.6		43.0	49.4	8.5 ≡
8.3		47.0	15.8	a
7.8	36	2.0	40.3	7.5 GSb≡
7.4		19.0	27.6	7.0 GSa
8.6		27.0	36.2	9.0 a
9.2		28.0	4.4	9.2 a
9.5		53.0	9.6	
9.6	37	11.5	6.0	9.5
9.3		51.0	24.4	
9.8		58.0	40.0	
9.5	38	24.0	10.3	
9.6	39	45.5	57.6	
8.8		48.5	54.2	9.0
8.4		58.0	49.4	8.2 G≡
9.6	40	7.0	27.9	
9.2		9.5	54.0	9.0 G
9.5		10.5	8.6	
9.6		12.0	13.0	
8.7		44.0	53.5	8.5 a
9.0	41	0.0	6.0	9.2
8.1		5.4	55.2	8.2 Ga
9.9		18.4	6.5	
8.5		33.4	2.2	9.0 –
9.3	42	4.4	53.3	9.0 a
9.4		21.9	13.9	
9.9	43	0.9	43.7	
9.2		24.9	3.5	a
9.4	44	29.4	27.2	
9.2		56.9	54.5	9.5
9.0	46	27.4	13.7	
9.3		35.9	29.0	
9.4		41.9	15.9	
9.9	47	11.4	15.7	
8.7		12.4	20.3	9.0 –
9.3		20.4	10.9	
8.3		51.1	1.5	8.3 GWa
9.6		53.5	32.0	
9.8	48	22.5	6.5	
8.4		52.5	27.0	8.2 Ga
9.2	49	19.0	31.4	8.5 G–
9.2		21.5	46.4	9.0
9.8	50	24.5	53.5	9.5
9.3		31.5	39.9	
9.9		45.0	35.8	a
9.5	51	1.5	55.9	
9.5		8.5	43.5	
9.9		30.0	54.8	
9.4	52	3.0	42.0	
9.2		15.5	55.0	9.0 a
8.8		21.5	51.4	8.5 Ga
8.8	53	40.0	7.9	9.2 a
9.9	54	2.5	56.3	
9.4		31.0	37.4	
9.3	55	29.0	34.0	
9.4		35.0	28.9	
8.8		52.5	19.8	9.5 a
9.2		58.0	39.3	
9.8		59.0	20.1	9.5
8.8	56	8.5	21.4	8.8 a
	+1	29.3	−6.3	

4081—4140.

mag.	14h.—15h m	s	—29° ′	
8.4	56	15.3	59.0	8.0 a
9.9		16.5	10.4	
9.8		20.5	43.4	
9.9		25.5	59.7	
9.3		30.5	22.9	9.5
8.6		56.5	28.4	8.8 a
9.4	57	45.5	0.7	
8.2		46.0	30.0	7.0 GSa
9.8		48.5	32.2	9.5
8.7	58	37.4	56.0	8.0 Ga
9.9	59	23.9	3.6	
9.4		30.2	59.9	
9.5		30.4	37.6	
7.8		43.7	1.1	8.0 GWa
9.4		46.4	14.7	
9.5		58.4	29.7	
9.9	0	30.9	55.9	
9.6		31.9	16.5	
9.8		35.4	28.6	
9.9	1	9.4	21.5	
9.4		20.9	50.7	9.0 a
9.8		56.9	7.6	
8.6	2	18.9	21.4	9.5
9.9		21.4	40.1	
9.5		43.9	31.0	
9.3	3	11.4	40.0	
9.5		20.4	55.6	
9.8		27.9	50.0	
9.8		30.9	38.0	
9.6		34.0	59.2	
9.9		49.9	49.0	
9.8		49.9	4.6	
9.6		59.4	32.5	
9.8	4	13.4	42.2	
9.6		32.9	18.0	
9.6		41.6	0.5	
9.6	5	4.9	10.8	
9.4		8.6	30.0	
9.9		13.8	24.6	
9.8		26.9	25.2	
9.6		40.4	42.0	
9.9		42.9	18.3	
9.7		48.9	21.4	
9.9		54.9	12.4	
8.6	6	5.9	17.2	≡
9.9		9.4	58.4	
9.5		40.9	9.6	
9.9		57.9	38.6	
9.4	7	7.4	48.6	
9.8		10.4	10.0	
9.8		27.9	29.3	
9.9		29.4	26.8	
9.5		57.9	37.5	
9.3	8	8.9	25.8	
9.4		10.9	33.5	9.0
9.8		22.9	44.4	
9.9		47.9	59.4	
9.3	9	21.4	54.2	9.0
9.7		29.4	37.5	
9.9		50.4	7.6	
	+1	30.4	−5.8	

4141—4200.

mag.	15h. m	s	—29° ′	
9.5	9	59.4	34.8	
6.9	10	13.9	41.2	5.0 GSπβ
9.8		52.4	48.7	
9.5	11	9.4	59.4	
9.5		42.4	42.2	9.0
9.8	12	6.1	58.2	
8.6		7.9	36.7	8.5 a
9.5		13.9	21.5	
8.8		20.4	39.0	8.5 a
8.9		28.4	28.2	9.0 a
9.7	13	9.4	33.8	
9.6		10.9	55.5	
9.5		19.4	27.2	
9.9		39.9	40.8	
9.6		44.4	59.8	
9.4		50.9	4.5	9.0
9.5		57.9	50.2	
9.9	14	5.9	24.0	
9.7		27.9	25.3	
9.8		49.9	53.8	
8.6		52.9	55.8	8.5 GWa
8.9	15	8.9	57.3	8.8 Wa
9.9		17.4	24.3	
9.9		27.9	29.0	
9.8		30.4	22.4	
9.9		31.9	56.0	
8.8		53.9	32.6	a
9.9		54.9	53.8	
9.9	16	3.4	43.0	
9.4		12.4	34.4	
9.1		17.4	48.6	
9.6		21.4	48.0	
9.9		29.9	42.8	
9.9		42.4	47.2	
9.6		54.9	10.0	
9.7	17	8.4	50.6	
9.4		29.9	38.2	8.5 Ga
9.8		40.4	21.6	
9.5		42.7	58.4	
9.5	18	9.4	8.0	
9.9		21.9	49.0	
9.2		23.9	39.7	9.0 a
9.5		29.4	14.3	
9.2		33.4	38.9	9.5
9.8		41.9	50.5	
9.7		53.4	14.4	
9.5	19	0.9	11.7	
9.9		31.4	33.5	
9.7		33.9	48.9	
8.6		57.4	5.5	9.0 a
9.5	20	12.9	37.7	
9.6		33.4	42.1	
9.9		54.4	55.5	
9.4		58.3	46.6	
8.2	21	4.0	8.0	8.0 Ga
9.9		6.4	29.3	
9.5		29.4	57.5	
9.4		51.4	46.7	
9.7	22	1.4	44.9	
9.6		14.4	30.8	
	+1	31.1	−5.5	

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4201—4260.

mag.	15h. m	s	—29° ′	
9·5	22	19·2	58·6	
9·4		39·9	58·5	
9·7		41·9	20·3	
9·9		46·4	20·0	
9·5		48·0	45·2	
9·6		50·2	35·6	9·5
9·7	23	4·1	23·9	9·5 a
9·7		44·1	25·5	
9·7		48·1	6·1	
9·2		52·6	49·1	9·5
9·7	24	6·1	23·7	
8·6		39·6	46·1	9·0 a
8·8	25	11·1	9·1	8·9 a
9·7		25·6	32·0	
9·6		29·1	14·0	8·7 a
9·0		36·6	17·7	9·2
9·1		46·1	47·9	
9·2	26	33·1	49·4	
9·7	27	40·6	6·6	
8·6	28	13·1	9·3	9·0 a
9·7		23·1	44·1	9·5
9·7		46·6	5·7	
9·7	29	26·1	39·6	
9·7		39·1	40·0	
9·7		53·1	42·6	
9·7	30	1·6	35·1	
9·6		20·6	51·1	
9·6		23·1	24·6	
9·6		27·1	16·3	
8·7		31·1	33·5	
9·2		36·6	45·4	
8·0		42·6	11·0	8·0 Ga
3·9		58·6	21·8	4·0 GSπβ
9·2	31	0·1	56·7	
9·4		28·6	8·4	
9·6		28·6	23·5	
9·6		36·6	15·8	
8·1	32	14·6	20·3	8·5 Ga
9·0		18·6	32·3	9·0
9·7		23·6	33·4	
8·1		40·6	33·5	8·2 Ga
9·4		42·6	54·9	
9·7		42·6	55·8	
8·6		43·6	22·2	8·5 Ga
9·2	33	1·6	14·5	
8·4	34	12·1	44·5	7·5 Ga
9·0		13·6	43·9	9·5
8·7		53·1	0·2	8·5 Ga
9·1	35	30·6	7·0	9·2 a
9·4		37·6	33·1	
8·8		54·1	15·9	8·8 a
9·2	36	36·1	21·5	
8·2		38·6	48·1	8·5 a
9·7		51·6	49·1	
9·4	37	2·1	32·8	9·5
9·6		17·1	44·4	
9·4		35·6	32·4	9·0
8·8	38	4·1	57·1	9·0 Ga
7·8		4·1	38·7	7·2 GSac
9·7		7·8	55·0	
25pr.	+1	31·9	−5·1	

4261—4320.

mag.	15h. m	s	—29° ′	
8·4	38	8·1	28·1	8·8 –
9·7		26·6	23·0	
9·7		33·1	30·6	
9·1		43·6	4·1	
9·1		56·6	41·4	
9·2	39	0·1	9·4	
9·4		2·1	24·0	
9·1		2·6	55·8	
9·7		31·8	17·7	
9·6		43·1	44·1	
9·2	40	13·1	58·1	
9·2		17·1	0·7	9·2
9·2		17·1	7·3	9·0
9·7		17·8	46·4	
9·0		19·6	21·5	–
9·6		26·1	14·4	
8·6		54·6	37·5	–
9·7	41	6·6	15·7	
9·7		8·6	4·1	
8·0		10·6	5·8	8·0 GSac
9·7		12·6	3·4	
7·8		29·6	49·4	8·3 G⋝
8·6		51·6	51·7	9·2 Ga
8·2		57·1	2·7	9·0
9·4	42	5·6	32·1	
9·7		18·8	42·1	
9·7		27·0	34·7	
8·9		32·5	2·5	9·0
8·6		42·0	2·0	8·0 G
9·6		50·5	9·2	9·0
9·7		55·0	58·5	
9·6	43	3·0	12·4	
8·4		12·0	7·4	8·5 G
9·2		12·0	51·0	8·8 a
8·3		20·0	42·0	8·0 Ga
9·4		26·5	23·4	
9·0		28·5	56·1	
8·7		36·0	18·2	9·0
9·6		46·0	13·6	
9·6	44	19·5	22·8	
9·6		22·5	46·8	
7·6		30·0	30·2	7·0 GSct
9·6		32·0	47·7	
9·1		38·5	9·2	9·0
9·7		48·5	33·8	
9·1		56·0	3·1	9·2 a
9·7	45	3·0	13·1	
9·7		4·0	31·3	
8·6		8·1	29·2	8·5 a
8·1		12·5	27·9	8·5 Ga
9·7		13·5	10·1	
8·7		16·2	52·4	9·0
10·0	47	3·6	21·7	9·0
9·4		59·4	58·3	9·0 a
10·0	48	30·7	7·1	
7·8	49	32·5	37·7	8·0 ≡
10·0		44·5	15·0	
10·0	50	30·0	43·5	
9·2		46·0	7·3	
10·0		55·5	57·2	
	+1	32·4	−4·6	

4321—4380.

mag.	15h.–16h. m	s	—29° ′	
9·4	50	58·5	33·4	
10·0	51	13·5	37·4	9·0
8·2		27·5	37·0	8·5 =
9·5†		32·7	0·2	
9·2		39·5	58·1	9·0
7·7		53·0	43·4	7·5 GSbc
7·6		53·5	16·3	GSb=c
10·0	52	0·5	12·2	9·0
9·6		3·0	31·6	
8·4		21·5	37·8	9·0 –
9·4	53	2·5	32·5	10·0
9·2		31·5	23·7	9·0
10·0		42·7	3·2	
10·0	54	8·5	55·4	
8·4		17·5	21·6	9·0
8·8	55	15·5	54·8	8·2 G⋝
9·2		20·0	19·4	
10·0		29·0	53·1	
9·2		33·0	39·5	
9·6		35·0	53·2	
8·3		46·0	47·2	8·5 Gb
10·0		50·7	56·0	
9·8	56	2·5	21·2	
10·0		3·0	37·5	
9·4		5·5	44·5	
9·6		32·5	29·6	9·2
9·5		38·5	37·3	
9·4	57	22·5	42·0	
9·4		54·5	5·0	
10·0	58	42·0	5·2	
9·0	59	15·5	29·0	9·2
10·0		32·5	23·8	
10·0		45·5	41·3	
8·7		50·0	8·0	8·5 ≡
9·0		51·5	37·4	9·5
9·4		57·0	19·5	
9·0	0	43·5	40·1	8·5 =
8·4	1	14·5	55·5	8·2 Wb
10·0		27·0	25·5	9·5
10·0		39·0	52·6	9·5
9·8		39·7	49·7	
9·1	2	6·0	57·0	9·0 –
9·0		7·0	35·2	a
9·6		23·0	25·1	
9·6		42·5	33·0	
10·0	3	0·5	25·3	
7·0		16·0	5·2	6·0 GStπ
10·0		41·5	39·0	
9·4	4	7·5	33·1	–
9·4		43·5	40·1	
8·2		50·0	49·6	8·5 Wa
9·6	5	19·5	40·9	
8·4		22·0	19·4	9·0 a
7·8	6	1·0	53·4	7·5 GSbc
9·6		10·0	53·8	9·5
9·4		43·5	24·8	
9·6		58·5	4·2	
9·0	8	12·0	42·9	
9·4		18·5	29·8	9·5
7·7	9	3·5	25·9	8·0 GSac
	+1	33·2	−4·2	

4381—4440.

mag.	16h. m	s	—29° ′	
8·2	9	54·0	29·1	–
9·9	10	4·5	37·7	
9·3		39·0	19·2	
9·6		53·5	51·2	
9·7		54·0	55·4	
9·8		56·0	36·9	
9·9	11	0·0	22·2	
8·4		42·5	38·4	8·5 G–
9·4		45·7	58·1	
9·9		53·7	8·1	9·0 –
9·4	12	3·0	2·6	
9·9		27·5	53·0	
9·8		30·5	46·9	
9·9		35·5	30·0	
7·7		45·5	12·6	7·8 GSa
9·9	13	2·2	30·0	9·0
8·8		18·7	39·9	
8·2		24·7	48·0	8·0 a
9·9		43·2	15·0	
9·2	–	48·2	4·4	
9·0		48·7	3·2	
9·1		51·2	51·0	9·5
9·6	14	31·7	12·9	
9·9		55·5	11·3	
9·1	15	6·2	48·0	=
9·9		44·5	5·1	
9·9		57·7	22·1	
8·8		59·7	53·2	8·0 a
9·0	16	3·2	28·9	
8·3		15·7	52·0	8·5 a
6·9		49·2	24·5	6·0 GSπμ
9·9		54·2	19·7	
9·7	17	10·2	57·5	
9·9		23·5	58·6	
9·1		45·7	34·0	9·0
7·8		50·2	6·7	7·8 GStπ
8·1		57·2	37·9	7·5 GSbc
9·8	18	31·2	17·6	
9·8	19	2·2	0·0	
9·3		20·2	3·3	
9·8		22·2	23·7	
9·6		28·2	31·0	
8·8		29·2	10·7	9·0 Wa
9·0		34·2	5·2	8·8 Wa
7·2		41·4	0·3	7·2 GSac
9·7	20	51·5	18·0	10·0
9·4	21	4·5	52·6	10·0
9·9		35·5	12·0	9·2
9·1		46·0	47·8	
8·8		46·5	35·3	8·5 a
8·6		59·0	47·6	9·0 –
9·6	22	1·0	44·9	
9·8		49·0	41·6	
8·0		52·0	12·4	8·0 Ga
8·6	23	19·0	43·3	8·5 a
9·3		26·5	40·4	
9·9		41·5	3·9	
9·7		43·5	46·4	
8·6		50·5	36·9	8·0 Wa
9·0		54·5	22·3	
	+1	33·9	−3·6	

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4441—4500.

mag.	16h. m s	—29° ′	
8·8	24 10·5	47·0	9·0 –
9·9	20·7	39·2	9·5
8·8	42·2	55·3	9·0 –
9·3	43·7	56·0	9·0
9·9	53·2	24·4	
9·9	25 8·2	3·3	9·5 G
9·2	30·2	40·7	–
9·9	32·2	52·5	
9·8	34·7	36·2	
9·7	49·7	39·2	
8·6	26 16·7	33·9	a
9·7	18·2	22·4	
8·8	30·2	26·8	9·0
9·6	27 16·2	26·7	
8·8	33·7	16·1	8·0 a
9·6	38·7	48·8	
9·9	53·2	3·9	
9·9	55·2	12·9	
9·8	28 2·2	25·0	
8·6	50·2	17·3	8·5 –
9·4	29 8·2	21·8	9·5
9·6	10·7	26·9	
9·1	27·7	51·5	9·5
8·8	30 18·7	25·3	9·0 –
8·3	52·7	38·2	8·0 GWa
9·3	54·2	39·0	
7·4	31 22·2	40·3	7·5 GScl
9·9	32 14·2	37·3	
8·8	33 0·4	57·0	9·0
9·9	10·2	39·5	
9·1	25·7	18·4	
9·3	51·7	12·3	–
9·6	34 31·4	23·6	9·5
9·1	39·7	9·0	9·5
9·4	59·7	32·3	
8·4	35 8·7	12·7	9·0 =
9·6	18·9	59·7	
10·0	22·7	16·5	
9·5	26·2	8·5	9·5
10·0	56·2	59·0	
8·2	36 2·7	20·9	a
8·4	14·2	3·7	9·0 –
8·7	40·7	21·5	–
8·8	43·7	23·8	–
9·6	37 9·6	59·9	
9·8	17·7	5·7	
10·0	26·7	22·3	
8·9	39·7	12·3	≥
9·1	50·2	3·9	8·8
10·0	38 26·7	52·1	
10·0	31·2	18·2	
10·0	31·2	38·3	
10·0	37·7	13·1	
10·0	45·2	54·1	
10·0	45·7	59·9	
9·6	55·2	40·5	
8·2	39 11·7	21·7	8·5 a
10·0	30·2	32·3	
10·0	33·2	59·9	
9·2	46·5	3·0	9·5
25pr.	+1 34·4	−3·1	

4501—4560.

mag.	16h. m s	—29° ′	
8·6	39 52·0	42·6	9·0 ≡
9·6	52·5	54·1	
9·2	56·0	30·7	
9·6	40 52·0	45·1	9·0 –
9·0	41 9·0	43·2	9·0 =
10·0	10·3	4·7	
9·8	11·0	27·8	
9·4	24·0	31·2	
10·0	45·0	19·5	
10·0	58·5	45·8	
9·2	42 34·5	21·4	
9·8	56·0	0·9	
7·8	43 25·5	51·8	a
8·2	40·5	11·6	8·2 a
9·1	44·0	56·3	9·2
10·0	44 13·0	57·0	
9·4	25·5	57·3	
9·6	45 7·0	51·2	
8·8	19·5	46·2	≡
8·6	53·0	9·8	8·2 b
9·6	59·0	13·7	
10·0	46 7·5	8·3	
9·2	8·0	54·9	9·5
8·6	16·5	10·7	8·2 a
9·4	49·5	56·0	
9·1	49·5	7·1	9·5
7·8	47 5·0	38·6	GSb≡c
9·4	5·5	44·0	
8·8	9·5	5·9	8·2 Wa
9·2	22·0	34·1	
10·0	25·0	0·5	
10·0	38·0	21·1	
8·4	39·0	4·3	7·8 GWa
9·2	48 27·0	6·4	
8·7	49 51·0	24·3	9·2 G–
10·0	50 9·2	43·8	9·5
8·4	10·5	39·6	8·5 =
10·0	19·5	6·6	
9·5	21·0	6·4	
9·4	34·0	12·8	
8·0	34·0	12·6	8·5 a
9·4	37·0	5·0	
8·4	39·0	55·3	8·8 Wa
9·6	49·0	6·6	
9·2	50·5	58·6	9·2 W
9·8	53·0	4·8	
10·0	54·0	34·0	
10·0	51 13·0	10·0	
9·6	14·5	18·9	
10·0	19·5	24·4	
9·4	20·0	36·8	
9·6	52 2·0	8·6	9·5
10·0	20·0	52·0	
10·0	39·0	51·0	
8·4	47·0	4·1	9·0 –
8·4	53 6·5	28·9	7·5 Ga
neb.	15·7	55·6	a
9·6	16·4	0·6	
8·4	16·7	29·7	8·0 a
9·8	59·2	12·6	
	+1 34·7	−2·6	

4561—4620.

mag.	16h.–17h. m s	—29° ′	
9·2	54 15·7	50·2	
10·0	21·6	52·1	
8·4	42·7	7·7	9·0 Gb
10·0	55 3·2	26·6	
8·7	31·9	57·3	8·7 W–
9·6	44·7	31·1	9·0
9·8	57·7	22·8	9·5 a
8·0	56 1·2	54·1	8·5 a
9·4	21·2	33·5	10·0
10·0	31·6	11·5	
8·8	57 7·7	32·6	9·5 a
8·2	9·9	51·1	8·2 a
9·8	53·7	28·7	8·8 –
10·2	58·6	10·1	
8·6	58 9·7	7·9	9·0 –
7·8	32·2	58·7	7·5 GSac
10·3	41·7	27·3	
9·2	59 14·2	32·8	
10·0	50·7	14·5	
9·8	54·7	21·3	
10·3	0 3·7	3·1	
8·1	19·7	53·0	7·5 Ga
9·0	25·7	11·5	9·0 a
9·0	26·7	34·6	
10·3	27·7	11·9	9·5
8·6	33·7	49·0	8·0 Ga
8·7	34·9	52·2	9·2
10·3	45·9	22·0	
10·0	56·4	51·4	
8·2	1 23·4	44·1	8·5 b
9·6	50·9	3·6	9·5 –
9·4	2 11·4	48·5	9·5 G
10·0	29·4	52·1	
10·1	3 3·4	53·1	
10·3	5·9	49·0	
10·3	17·4	47·0	
10·3	31·9	15·1	
10·0	41·6	59·0	9·0
9·4	43·4	14·0	10·0
9·1	57·9	32·0	
9·1	4 1·4	18·9	9·5 a
10·3	7·9	3·4	
9·2	31·4	24·7	10·0
8·9	59·9	27·9	9·5 G
10·0	5 11·4	8·3	
9·8	21·9	23·0	
9·8	38·4	3·4	
9·8	50·9	3·0	
10·3	53·4	1·0	
9·0	6 14·9	54·0	9·8 G
9·8	36·4	27·3	
9·2	42·4	42·5	G
10·3	7 0·4	16·1	
9·0	12·9	33·3	9·5
10·0	12·9	32·3	
10·3	16·4	7·6	
10·0	37·9	21·2	
9·8	46·9	33·7	
9·4	8 20·9	39·6	
10·3	23·9	24·3	
	+1 35·1	−2·1	

4621—4680.

mag.	17h. m s	—29° ′	
8·9	8 35·9	35·1	9·0 –
10·3	56·9	46·0	
9·8	56·9	20·3	
10·3	9 20·4	44·0	
9·7	42·0	38·6	10·0
9·8	43·9	5·9	
9·8	10 4·0	22·5	
9·5	20·5	14·0	
8·2	25·0	44·1	7·5 GSac
9·0	29·5	49·7	8·5 Wa
8·9	34·5	25·0	
9·4	36·0	24·7	
9·4	48·5	20·8	
9·2	53·7	2·8	
10·1	11 2·5	41·0	
10·0	22·5	28·2	
8·8	34·5	9·7	8·8 a
10·2	39·5	7·7	
9·7	43·0	17·3	
9·2	52·5	51·9	
9·7	52·5	53·8	
10·1	57·5	41·6	
10·3	12 12·5	44·5	
9·2	13·5	56·3	
10·0	14·0	2·6	
9·8	20·0	5·9	
10·2	21·5	31·3	
9·7	30·0	8·6	10·0
7·8	32·0	14·0	7·5 GSac
8·6	36·5	9·2	8·5 a
8·9	39·5	16·0	8·5 a
9·7	42·0	43·6	
10·2	55·5	19·0	
9·2	58·0	6·6	9·5
10·2	13 15·0	11·6	
9·4	39·0	43·9	
10·1	42·0	13·9	
9·1	42·0	36·1	8·5 a
9·2	14 4·0	27·5	
9·4	10·5	33·5	10·0
10·0	12·5	1·5	
10·2	23·0	38·5	
9·6	27·5	57·8	
9·4	31·5	1·4	
10·3	32·0	7·1	
9·6	42·0	3·9	
10·3	54·4	28·9	
9·5	55·9	32·6	
10·0	59·9	27·3	
10·2	15 0·9	50·6	
9·4	8·4	13·7	
9·0	12·4	24·5	
9·4	39·9	7·5	9·2
10·2	50·4	13·3	
10·2	52·4	7·4	
8·6	55·4	41·9	8·0 GSb
10·3	16 2·7	59·9	
10·3	5·7	13·0	
10·3	6·9	23·5	
10·0	11·9	13·1	
	+1 35·3	−1·7	

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4681—4740.

mag.	17h. m	s	—29° ′	
8.0	16	21.4	44.9	8.0 GSa
9.7		27.4	41.4	
10.1		29.4	42.4	
9.8		31.4	43.8	
10.0		48.4	0.7	
9.8		53.9	21.9	
10.3		59.0	16.7	
10.0	17	21.4	33.4	
7.6		31.9	33.2	7.5 GSac
10.3		33.4	25.3	
9.2		36.9	37.4	10.0
8.8		43.4	26.0	9.0 a
9.4		54.9	19.8	
10.2	18	5.0	41.2	10.0
10.2		6.4	26.7	
10.2		7.0	19.4	
9.8		9.9	35.0	
10.1		22.9	25.0	
10.3		26.9	3.8	
10.1		39.4	6.1	
9.2		42.9	11.1	
10.2		46.9	21.2	
8.7		55.7	58.9	9.2
9.8		57.9	19.6	
9.4		58.7	59.7	
10.2	19	5.6	6.9	
10.3		13.5	58.8	
9.2		14.1	49.6	9.5
9.8		21.6	24.0	
5.4		22.1	45.1	5.0 GSπβ
10.0		31.1	40.5	
10.3		31.1	14.5	
6.6		40.1	36.7	7.0 GStπ
9.8		50.6	31.4	
9.1	20	3.1	46.6	
9.6		3.1	0.1	10.0
9.4		17.1	7.3	
9.7		21.1	3.2	
9.7		25.6	41.4	
10.3		27.6	20.6	
10.3		31.1	24.9	
10.0		35.1	22.3	
9.7		35.6	49.1	
9.7		40.6	1.3	9.0 G—
8.6		53.6	29.1	9.0 a
9.8		56.5	57.8	
10.0	21	0.1	34.6	
10.2		2.1	50.1	
10.0		4.1	28.0	
9.4		4.6	18.0	
9.8		12.1	22.7	
10.2		20.1	51.3	
10.1		26.1	20.9	
10.1		26.1	2.3	
10.0		27.1	21.9	
9.8		47.1	33.1	10.0
9.7		47.3	26.3	
10.0		52.1	40.6	
9.8		55.3	40.4	
10.3		58.1	25.9	
25pr.	+ 1	35.4	— 1.5	

4741—4800.

mag.	17h. m	s	—29° ′	
10.1	21	59.8	31.8	
10.3	22	4.1	59.7	
10.3		6.8	43.9	
10.2		15.0	44.7	
10.2		19.3	38.1	
10.2		25.8	6.4	
9.0		29.0	19.6	
10.2		29.5	22.8	
9.9		33.3	33.4	
10.2		49.0	11.2	
9.0		56.3	32.2	10.0
10.0	23	4.5	58.0	
9.7		10.1	58.8	
9.7		14.0	51.2	
8.9		15.8	59.6	9.5
9.4		28.0	33.5	
9.2		34.0	52.2	
9.4		51.5	32.9	10.0
10.2		53.0	23.1	
10.2		59.5	32.7	
10.0	24	6.5	57.0	
9.9		27.5	21.2	
10.2		34.5	28.7	
9.4		36.6	57.9	
9.7		45.5	48.0	
9.8	25	2.0	49.3	
7.7		5.5	33.3	8.0 GSbc
9.3		7.5	1.7	9.5 Ga
8.9		9.0	40.5	10.0
9.5		16.0	43.9	
10.2		24.0	11.4	
10.2		31.0	53.3	
9.9		34.0	52.3	
9.8		35.0	36.7	
10.2		37.5	13.8	
10.2		49.0	24.4	
9.4		52.5	21.7	
9.9		57.0	18.2	
9.3		57.5	7.9	8.8 a
10.2	26	2.5	50.5	
9.5		14.0	34.4	
9.5		20.5	49.4	
10.2		26.5	44.2	
10.2		28.5	45.3	
9.4		43.5	10.0	9.2 a
10.0		54.0	46.5	
10.2		54.0	54.1	
8.8		58.0	3.5	9.5 a
10.2	27	1.5	31.4	
10.0		1.5	6.3	
9.8		28.5	25.4	
9.3		34.0	36.9	
9.8		34.5	20.2	
9.2		59.5	14.3	
9.4	28	4.5	44.8	
9.5		16.5	26.5	
9.8		17.5	27.0	
10.2		32.0	44.2	
10.2		33.0	5.5	
10.0	29	7.2	47.0	
	+ 1	35.5	— 1.3	

4801—4860.

mag.	17h. m	s	—29° ′	
9.4	29	12.2	46.8	—
9.5		16.2	23.1	
9.8		16.4	39.5	
9.8		19.7	46.7	
9.8		32.2	3.3	
9.6		40.7	4.9	
9.6		42.7	11.2	
10.2		44.2	46.8	
9.4		44.7	11.6	
10.0		46.7	33.7	
9.4		56.2	6.5	
8.7		56.7	58.0	10.0
9.8		56.7	12.5	
9.2		58.7	23.7	
9.3	30	7.0	2.4	10.0
9.4		7.2	2.0	10.0
9.5		7.7	39.9	
9.8		9.2	32.4	
10.2		17.7	26.0	
10.2		25.2	28.2	
10.2		26.2	25.7	
10.2		33.7	32.7	
9.7		46.7	46.0	
9.8	31	22.7	47.0	
7.8		23.2	27.2	7.5 GSal
8.1		27.2	53.1	7.8 GSa
8.8		33.2	16.1	a
9.8		34.7	5.4	10.0
9.4		41.4	58.1	
10.2		43.2	14.2	
9.8	32	11.7	42.0	
9.8		16.7	46.4	
9.6		43.7	40.1	
9.0		54.2	31.7	a
9.9	33	31.3	35.2	
10.2		38.8	40.0	
8.7		42.0	56.7	9.0 —
10.2		44.0	15.6	
9.8		58.3	50.3	
8.8	34	2.2	1.6	9.5 —
9.4		23.3	57.6	
8.4		28.8	22.2	8.5 Ga
9.0		53.8	54.8	10.0
9.8	35	0.3	20.9	
9.7		5.8	28.7	
9.0		6.8	52.1	9.5
9.3		9.3	52.5	9.0 a
9.4		10.8	28.4	
9.4		13.8	6.8	
9.9		42.3	47.3	
10.2		44.3	33.3	
9.7		58.8	14.8	—
8.8	36	3.3	26.6	9.5 a
9.3		51.3	41.1	
9.7		52.8	51.1	
10.2	37	1.3	22.3	
9.2		2.3	29.9	
10.2		3.3	34.0	
9.8		10.8	5.2	9.5
10.2		15.3	33.5	
	+ 1	35.5	— 1.0	

4861—4920.

mag.	17h. m	s	—29° ′	
8.8	37	16.8	47.6	a
10.2		20.3	25.1	
9.8		29.8	41.6	
9.8		31.8	15.0	10.0
9.4		33.8	3.8	
9.8		37.3	29.0	
9.7		46.8	10.1	
10.2		50.0	32.8	
9.0		53.3	27.4	
9.7		53.8	41.0	
9.0	38	4.3	1.7	9.5 —
10.2		13.1	4.2	
10.2		16.1	16.2	
9.6		19.6	16.9	
10.2		23.6	16.9	
8.9		37.6	36.7	8.5 =
8.9		42.6	20.2	8.5 Ga
9.7		44.6	38.6	
8.8		46.1	24.0	9.0 a
9.8		49.1	50.0	9.0
10.2		51.6	57.9	
10.2		57.6	27.9	
9.9	39	5.6	20.8	
9.0		6.1	11.7	10.0
9.7		8.1	15.5	
10.2		18.7	4.0	
9.7		24.1	35.2	9.0 G
10.2		33.6	21.9	
9.9		37.1	32.8	
10.2		41.1	29.8	
9.0		58.1	30.0	10.0
9.4	40	4.1	16.9	
9.6		7.6	9.8	
9.8		19.6	17.8	
9.2		36.1	54.8	
9.2		40.1	25.7	
9.8		41.7	23.0	
10.2		42.6	58.1	
9.8		55.7	14.6	
10.2	41	4.2	11.3	
10.2		12.7	11.8	
9.8		14.2	11.0	
10.2		19.7	39.6	
8.5		28.2	23.6	8.5 ≡
8.4		31.2	16.2	8.5 —
10.2		31.2	11.8	
9.0		32.7	7.6	
9.2		44.7	14.4	9.5
10.0	42	16.2	39.4	
9.9		20.7	32.8	
10.2		23.2	52.6	
9.3		28.7	17.9	
10.2		34.2	52.1	
9.4		36.2	29.6	
10.2		41.7	35.5	
9.9		42.7	13.6	
8.1		43.7	14.2	8.5 =
9.6	43	1.7	39.5	
9.4		1.7	38.0	
9.5		2.7	5.8	
	+ 1	35.6	— 0.7	

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4921—4980.

mag.	17h. m	s	—29° '	
9·3	43	8·2	17·3	10·0
8·9		24·2	55·6	
9·8		35·7	48·0	
9·6		39·1	27·3	
9·7		42·1	7·5	
9·6		45·1	29·1	
9·9		51·6	38·0	
10·2	44	2·6	11·7	
9·8		6·6	35·7	9·5 –
10·0		7·1	32·5	
9·7		9·6	21·4	
9·8		11·0	56·8	
9·8		13·6	53·7	
9·6		17·6	11·5	
10·2		20·6	2·5	
9·8		23·6	45·3	
9·0		26·6	3·8	
8·4		28·1	31·0	9·5 ≡
9·2		33·6	34·9	10·0
9·8		38·1	30·1	
10·2		42·6	0·8	
10·2		46·6	39·6	
10·0		48·6	47·9	
10·0		48·6	1·7	
9·8		51·6	50·1	
10·2		53·6	17·9	
10·2		56·8	58·2	
9·4		57·1	1·6	
10·0	45	0·1	21·8	
10·2		5·6	24·3	
9·8		6·6	13·5	
9·5		9·1	20·3	
9·9		9·1	54·6	
9·9		19·6	19·5	
9·7		26·1	37·5	
10·0		28·6	5·1	
9·8		31·6	11·1	
10·2		31·6	36·1	
9·8		35·0	0·5	
9·8		38·6	51·3	
9·9		42·1	10·6	
9·8		42·1	21·3	10·0
9·8		45·6	2·9	
9·8		47·3	43·3	
9·4		50·8	6·1	
9·4		51·6	21·3	9·5 –
10·0		55·8	41·2	
10·4		57·1	46·8	
10·4		57·5	37·9	
9·9		58·0	50·1	
10·2	46	5·1	57·1	
9·9		13·5	14·8	
10·4		14·0	12·7	
10·2		14·5	36·9	
10·1		17·5	53·5	
10·4		20·0	13·3	
8·5		23·5	49·4	–
10·1		24·0	7·9	
9·8		26·0	18·3	
10·2		27·5	41·5	
25pr.	+1	35·7	–0·5	

4981—5040.

mag.	17h. m	s	—29° '	
10·4	46	28·0	19·2	
8·7		31·5	45·5	
9·8		32·0	52·1	
9·9		32·5	22·1	
9·0		42·0	11·9	9·0
9·0		43·5	42·1	
10·4		52·0	46·9	
9·0		56·0	39·3	10·0
9·2		57·5	8·9	
9·5		57·5	10·5	
10·1		58·0	18·7	
9·0	47	2·0	29·9	
9·6		3·2	38·0	9·5
10·1		7·5	36·1	
8·4		8·5	47·1	9·0 a
10·4		9·0	36·8	
10·0		12·0	48·8	
10·0		13·5	25·5	
9·9		14·5	27·3	
10·4		19·0	47·3	
9·8		20·0	23·3	
9·2		24·5	39·1	
9·0		26·0	54·3	
8·4		27·5	59·7	8·0 ≥
8·4		36·5	57·1	8·2 a
9·6		37·0	24·4	
10·2		40·0	4·9	
9·2		42·0	47·1	
8·9		44·5	14·7	
10·0		44·5	52·5	
9·8		44·5	53·7	
10·2		49·5	53·1	
9·9		53·0	11·1	
10·0	48	1·5	3·8	
9·6		4·0	37·7	
10·0		6·0	36·9	
10·2		18·5	40·6	
10·2		18·5	37·8	
10·2		20·0	24·9	
8·5		21·0	30·2	–
10·2		21·5	49·0	
10·4		23·0	53·2	
8·2		23·5	50·5	8·5 a
9·8		24·5	46·9	
9·6		26·0	56·6	
9·8		27·5	47·9	
10·1		31·0	41·6	
10·4		36·0	38·8	
8·8		40·4	1·7	9·5 –
10·4		42·5	26·2	
8·2		43·0	54·0	8·5 a
10·1		46·5	25·2	
9·9		48·5	52·1	
9·5	49	0·0	18·5	
9·1		2·0	35·6	
10·0		15·0	17·9	
9·5		17·5	57·3	
9·8		24·0	8·6	
9·5		25·5	47·0	
9·2		26·5	33·1	
	+1	35·7	–0·4	

5041—5100.

mag.	17h. m	s	—29° '	
10·4	49	27·5	16·5	
9·6		28·0	15·3	
9·4		28·4	2·1	
9·4		30·9	56·8	
9·6		32·0	25·8	
9·9		33·5	26·6	
10·4		36·0	42·5	
9·5		36·5	50·5	9·5 a
8·5		47·5	33·1	9·0 a
10·4		55·0	46·9	
9·0		56·0	46·3	
10·2		57·5	14·0	
9·2	50	0·5	9·9	
10·4		3·0	49·3	
9·5		3·5	28·5	
10·4		4·5	41·6	
8·6		6·4	3·4	b–l
9·2		7·4	33·9	9·0 Ga
9·8		12·1	56·7	
10·4		12·4	54·9	
10·4		13·4	49·4	
10·4		18·4	9·4	
9·9		19·9	22·7	
10·4		24·4	39·6	
8·5		26·9	14·7	
10·4		28·9	52·5	
9·5		35·4	7·5	
9·8		37·4	43·5	
10·0		38·4	49·8	
10·1		41·9	34·2	
9·4		44·4	13·2	
9·0		44·4	23·9	
8·2		47·4	54·4	
10·4		51·4	7·7	
9·2		53·9	32·5	9·0 Ga
10·1		57·4	30·3	
10·0		57·4	54·2	
10·0		58·4	0·5	
9·0	51	5·9	50·9	
9·5		8·4	2·3	
8·9		10·4	23·8	9·0
10·4		13·4	19·8	
10·4		14·9	0·4	
9·6		16·4	57·6	
8·0		17·4	22·5	7·5 GSac
10·2		18·2	42·1	
10·2		18·7	25·6	
10·2		22·2	3·5	
8·6		24·2	28·1	9·0
9·8		24·2	16·3	
10·4		28·2	13·2	
10·2		33·0	0·2	
10·4		33·7	25·8	
10·4		37·2	55·6	
9·4		37·4	1·9	
10·4		37·7	56·6	
10·4		38·2	17·5	
10·0		42·7	34·7	
10·2		53·2	41·9	
9·2		54·7	58·6	
	+1	35·7	–0·3	

5101—5160.

mag.	17h. m	s	—29° '	
9·0	51	55·2	14·1	
9·9		57·2	54·6	
10·4	52	3·7	5·8	
10·4		3·7	37·1	
10·0		4·7	57·0	
10·4		9·7	7·2	
8·2		10·3	49·3	8·5 a
10·4		11·5	56·1	
9·8		12·3	44·3	
10·4		13·7	5·9	
10·4		13·7	47·9	
9·0		15·2	52·9	8·2 a
10·0		16·7	28·7	
9·6		20·2	14·8	
10·4		24·2	15·5	
10·1		26·0	14·9	
8·0		27·5	48·7	7·8 Ga
10·4		32·0	24·1	
10·4		32·5	26·1	
10·2		34·0	46·5	
10·1		36·5	47·5	
10·0		37·0	46·7	
10·4		47·4	58·8	
9·2		50·0	50·5	8·8 G
8·7		56·0	53·6	9·0
10·2		58·0	6·3	
9·8		58·0	2·1	
9·4		58·5	55·5	
10·2	53	0·5	22·0	
10·4		1·5	32·8	
9·9		3·0	14·2	
9·9		3·0	8·1	
10·4		10·0	22·5	
10·4		12·0	53·2	
10·4		13·5	0·7	
8·5		14·5	26·0	8·0 G–
8·2		14·5	19·9	–
10·4		16·5	18·0	
9·5		22·5	40·4	
9·0		25·0	51·9	9·5
9·6		26·5	10·9	
10·2		26·5	26·9	
10·4		27·0	0·9	
8·0		28·0	34·6	8·0 GWa
9·2		32·0	44·2	
10·4		32·5	0·3	
10·4		32·5	28·7	
9·9		33·0	18·9	
9·8		35·0	51·9	9·5
10·4		42·8	8·7	
9·9		44·3	20·6	
10·4		46·3	37·5	
10·4		50·8	6·0	
8·8		53·3	15·0	9·5
10·4		53·8	56·9	
10·2		57·8	2·1	
9·9		57·8	14·6	
8·9	54	0·8	15·6	
10·4		2·3	2·5	
9·9		3·3	7·5	
	+1	35·7	–0·3	

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5161–5220.

mag.	17h. m s	−29° ′	
10·2	54 4·3	21·2	
10·0	5·8	6·3	
9·5	13·3	35·7	
10·0	16·0	46·1	
9·4	16·3	15·9	
9·5	26·3	20·1	
10·1	27·0	39·7	
10·1	30·8	14·6	
9·6	30·8	21·0	
9·5	33·3	20·6	9·5
9·8	33·8	35·6	
10·0	37·3	17·1	
10·4	39·0	35·0	
9·2	43·3	25·2	
9·4	44·3	17·1	
9·2	44·6	59·5	
8·8	44·8	32·0	9·0 a
10·4	44·8	38·5	
8·1	49·8	21·7	8·5 GSa
10·4	49·8	17·7	
10·1	53·3	35·3	
9·6	53·1	54·7	
9·5	53·6	22·0	
9·9	54·1	34·8	
10·1	56·6	50·4	
10·2	55 0·6	55·3	
8·7	10·1	31·6	9·5 a
10·2	11·9	1·9	
9·2	15·6	27·8	10·0
10·2	16·6	12·0	
10·4	18·1	29·3	
9·6	19·1	24·3	
10·4	20·6	48·1	
10·2	25·1	5·0	
10·1	27·1	2·4	
9·2	29·5	57·9	
10·2	30·1	28·2	
9·9	31·6	32·1	
10·0	36·1	11·2	
8·2	36·1	51·6	7·8 Gam
10·2	37·6	53·2	
10·4	41·1	17·9	
10·1	43·6	42·0	
10·0	44·1	33·5	
10·1	54·6	53·1	
10·4	57·6	57·1	
10·2	58·1	31·1	
9·5	56 2·1	39·8	
10·4	2·8	18·7	
10·4	5·8	13·9	
9·8	10·3	56·0	
9·9	12·8	31·9	
9·5	13·8	16·9	9·5
9·9	13·8	19·1	
10·4	16·3	35·4	
9·9	20·3	22·5	
9·6	21·8	1·8	
10·4	30·8	24·2	
9·5	34·3	19·1	
10·4	37·3	47·9	
25pr.	+1 35·7	−0·2	

5221–5280.

mag.	17h. m s	−29° ′	
10·1	56 41·3	1·0	
9·6	47·3	24·1	
9·8	51·8	1·7	
10·4	53·3	37·7	
10·4	54·8	47·5	
9·4	55·8	49·6	
10·4	56·8	10·5	
10·1	57·1	1·2	
10·4	57 2·8	32·4	
6·1	2·8	34·9	5·0 GSπλ
10·2	4·3	38·4	
9·4	5·8	11·1	
9·5	5·8	44·3	
9·2	6·8	55·0	
10·2	14·8	35·1	
10·4	16·8	29·6	
10·4	17·8	20·6	
8·4	22·8	5·6	9·0 –
9·5	24·8	26·5	
9·8	25·8	2·5	
9·9	26·8	29·8	
9·4	28·5	22·1	
9·8	33·5	41·6	
9·8	42·0	23·6	
7·8	42·5	16·7	7·5 GSbc
10·0	42·5	31·6	
10·0	43·0	52·2	
9·5	45·5	32·5	
10·4	52·0	10·5	
9·4	54·5	13·7	9·5 G
9·2	56·0	55·5	
9·6	56·5	35·1	
9·9	57·5	46·1	
8·0	58 4·5	26·1	9·0 M–m
9·2	15·5	8·1	
10·4	17·5	42·5	
10·1	19·5	21·5	
10·1	19·5	7·3	
10·4	23·0	56·9	
10·4	28·5	29·5	
10·0	32·5	22·1	
10·4	32·5	52·4	
10·2	34·5	20·4	
9·8	35·5	16·7	
10·4	36·5	1·7	
10·2	39·5	8·9	
9·4	40·5	6·1	10·0
10·2	43·9	57·7	
9·8	45·0	53·9	
9·8	46·5	29·9	
9·8	46·5	7·9	
9·9	48·5	45·1	
8·4	51·7	2·7	8·5 Ga
8·0	59·0	5·1	8·0 am
9·8	59 2·8	29·8	
9·6	7·8	44·3	
10·2	8·8	29·8	
10·4	10·3	19·5	
9·8	16·3	53·4	
10·4	25·3	5·9	
	+1 35·7	−0·1	

5281–5340.

mag.	17h.–18h. m s	−29° ′	
9·5	59 25·3	37·7	
9·2	26·3	4·6	
10·4	26·8	18·4	
9·0	27·3	29·0	a
10·1	30·3	59·1	
10·4	38·8	52·4	
9·8	41·8	52·0	9·5
9·2	42·3	27·0	am
10·1	48·3	48·2	
10·0	51·3	53·4	
10·4	52·3	7·7	
9·2	52·8	34·6	
8·2	53·8	44·4	8·5 Mm
10·4	0 2·3	22·0	
10·2	4·1	58·0	
10·0	13·3	20·7	
9·4	13·3	7·2	
10·1	15·3	7·0	
10·0	19·4	2·1	
10·4	25·8	42·9	
9·9	29·6	59·4	
10·4	32·8	4·8	
9·4	34·3	4·4	
9·8	40·8	35·3	
10·4	42·8	34·6	
10·1	43·3	10·3	
10·0	48·8	35·4	
9·9	51·3	50·6	
10·0	54·6	36·0	
9·8	55·5	58·6	
10·1	58·6	18·4	
9·9	1 1·6	56·8	
9·4	2·1	1·4	
9·6	5·1	16·5	
10·4	5·2	21·3	
9·6	13·6	6·7	
9·8	15·6	44·8	
10·1	20·1	29·5	
10·4	26·1	1·8	
10·4	27·6	42·8	
9·2	31·3	1·7	9·5
9·6	31·6	52·3	
9·5	34·6	32·2	
10·2	35·1	5·4	
9·8	37·1	46·6	
10·2	45·6	47·0	
10·4	46·1	26·5	
10·4	50·6	11·8	
10·4	56·1	40·8	
9·6	56·1	23·0	
10·4	58·6	12·6	
9·8	2 5·1	24·7	
10·2	7·1	29·0	
9·5	8·1	10·5	9·2
9·8	9·6	19·2	10·0
9·9	11·6	29·0	
9·6	19·6	12·5	
8·2	21·1	13·9	8·0 G=m
10·4	22·1	45·8	
10·4	22·6	36·8	
	+1 35·7	0·0	

5341–5400.

mag.	18h. m s	−29° ′	
8·8	2 29·4	55·6	
10·4	40·4	1·7	
10·0	40·9	47·5	
9·8	45·3	56·5	
9·8	3 1·9	10·1	
10·4	2·3	57·5	
7·9	3·9	46·2	8·5 Ga
9·8	5·4	48·3	
10·2	12·4	30·8	
8·9	14·9	31·3	
8·6	16·4	39·5	8·0 Ga
9·4	16·9	43·7	
8·2	18·4	55·4	8·5
10·4	24·9	35·9	
10·4	29·4	20·9	
9·6	31·4	4·8	
10·2	31·4	10·7	
10·4	31·9	52·8	
9·8	32·4	41·8	
9·8	32·9	37·8	
9·2	36·4	14·0	
8·9	41·9	8·5	
8·8	43·9	52·8	9·2
10·0	45·9	12·5	
9·0	46·6	57·6	9·5
9·8	49·9	51·9	
9·0	50·4	6·5	
10·4	52·4	18·7	
9·8	53·4	51·1	
10·0	58·4	52·6	
9·9	4 0·9	54·0	
8·2	1·6	35·6	Ga
9·8	5·1	13·4	
9·2	13·1	53·0	9·2 –
9·2	20·4	2·9	9·0 =
9·0	24·1	30·0	a
9·4	24·1	49·9	
8·8	28·6	22·6	a
9·9	30·1	36·4	
9·8	31·1	46·0	
9·8	39·6	31·8	
9·9	39·6	33·8	
9·4	40·7	58·0	
10·4	44·6	24·9	
10·1	46·1	30·8	
10·4	54·1	21·6	
9·9	54·6	19·6	
10·4	5 1·6	26·2	
10·4	4·6	59·6	
10·0	5·4	56·8	
9·5	8·6	43·4	9·5
10·4	11·1	2·8	
10·1	11·1	21·6	
10·2	13·1	27·2	
10·1	14·1	53·9	
10·2	18·6	40·6	
9·6	20·1	49·6	
9·5	22·1	22·7	
9·1	23·1	23·0	
10·2	30·1	5·6	
	+1 35·7	+0·1	

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5401—5460.

mag.	18h. m s	−29° ′	
9·5	5 45·9	53·5	9·5
10·2	46·1	33·0	
10·4	52·9	51·4	
10·4	53·4	16·5	
9·5	57·4	33·8	9·5 −
10·0	6 1·4	24·5	
9·5	1·9	1·1	
9·8	1·9	42·7	
9·8	1·9	27·4	
10·0	2·4	14·8	10·0
9·8	10·9	55·2	
10·0	20·6	5·0	
9·9	28·9	25·2	
9·8	32·9	16·9	
9·0	34·9	34·5	10·0
9·1	36·9	34·0	10·0 −
10·4	38·9	13·7	
9·6	46·9	58·1	
10·2	48·4	35·1	
10·0	51·9	43·2	
10·4	7 0·9	39·5	
10·4	3·9	16·5	
10·4	4·4	21·8	
9·8	4·9	35·0	
8·2	4·9	51·4	7·5 GSac
10·1	5·9	48·6	
10·4	6·4	52·4	
10·4	6·9	54·6	
9·9	8·4	24·5	
10·2	8·9	44·5	
10·4	9·9	52·0	
9·9	24·2	6·8	
9·5	24·7	7·1	
9·8	28·2	32·5	
10·4	30·2	35·9	
10·0	39·2	8·0	
10·2	46·2	40·3	
9·5	51·7	35·5	a
10·4	54·2	31·8	
10·0	55·2	39·6	
8·6	59·7	11·5	9·0 =
8·8	8 17·2	8·8	9·5 −
9·6	23·2	52·9	
9·8	24·7	40·9	
10·2	25·7	24·1	
9·2	28·2	42·8	
9·8	28·7	48·7	
9·8	30·2	46·6	
9·9	31·7	43·8	
10·4	31·7	40·7	
10·4	38·0	59·6	
8·5	40·7	47·7	9·0 a
9·9	41·0	32·6	
10·0	41·7	24·7	
9·8	43·2	38·4	
9·6	44·7	34·7	
10·4	45·7	32·5	
8·4	49·2	53·9	9·0 −
9·6	50·2	2·3	
9·5	56·2	45·7	
25pr.	+1 35·7	+0·3	

5461—5520.

mag.	18h. m s	−29° ′	
10·1	9 1·2	35·3	
10·2	3·2	3·7	
10·4	3·2	13·3	
9·9	9·2	50·5	
9·5	9·7	55·8	
10·4	16·7	8·5	
10·0	19·2	30·3	
10·4	19·7	14·6	
10·0	21·2	32·5	
9·2	24·0	47·3	
9·6	26·0	27·6	9·5
9·9	32·2	11·3	
10·4	42·1	4·2	
8·7	42·2	7·0	
10·1	49·2	46·8	
9·4	51·5	50·5	9·2
8·4	59·2	17·9	9·0 =
9·2	59·7	3·9	
10·2	10 1·7	35·5	
10·4	3·7	32·0	
10·4	5·2	31·3	
10·4	5·2	38·0	
10·2	5·7	58·6	
8·4	9·0	45·3	9·0 a
10·4	12·0	32·8	
10·2	13·0	42·1	
10·4	13·2	50·7	
10·4	13·5	59·0	
10·2	14·7	54·5	
10·3	37·5	23·8	
10·3	38·8	51·0	
10·3	59·1	0·6	
9·2	11 1·8	44·9	9·5
10·2	3·3	15·5	
8·4	13·8	43·5	9·0 a
9·9	22·3	34·4	
8·2	27·8	2·9	9·0 =
10·2	32·7	42·9	
9·9	36·3	16·2	9·5
8·7	42·7	40·0	8·5 am
10·3	48·1	0·3	
8·7	54·8	19·3	9·0 a
10·3	12 3·3	1·6	
10·3	17·8	33·0	
10·2	19·3	20·9	
9·5	22·3	6·1	9·8
8·1	28·3	7·0	8·0 Gam
9·2	35·3	2·3	
10·3	39·8	52·0	
10·2	41·3	22·4	10·0
10·3	41·8	33·9	
10·2	41·8	44·7	
6·2	59·8	52·7	3·0 GSμβ
10·2	13 20·3	54·3	9·2
10·3	20·8	9·8	
9·6	27·8	35·4	a
10·3	43·7	7·6	
9·8	52·3	16·9	
10·2	55·3	53·3	9·5
9·9	14 5·3	52·5	
	+1 35·7	+0·4	

5521—5580.

mag.	18h. m s	−29° ′	
10·3	14 12·3	55·9	
10·3	24·8	54·6	
9·9	26·8	39·3	9·5 −
9·6	15 0·8	7·5	
10·2	5·3	4·1	
10·3	19·3	51·7	
10·3	41·8	37·8	
10·3	48·3	59·4	
10·2	50·8	55·7	
10·2	56·3	17·7	
9·3	16 5·3	37·5	10·0
9·4	15·3	9·0	8·0 bm
10·2	25·3	54·1	
8·8	26·3	36·1	9·5 Wa
8·6	27·8	35·2	8·5 Wa
9·8	29·3	13·6	9·5
10·3	30·8	52·4	
8·2	30·8	50·5	8·2 M–m
10·3	17 15·3	13·1	
10·3	18·8	12·0	
9·6	26·3	5·6	9·2
10·3	36·3	23·6	
10·3	46·8	0·7	
10·3	51·8	4·1	
10·3	18 9·8	4·7	
9·9	17·3	47·9	
10·3	22·3	28·9	
9·2	23·8	13·5	10·0
9·6	24·3	21·2	
10·0	26·3	24·9	
9·8	32·1	0·9	9·5
10·2	35·3	43·9	
10·3	37·3	15·5	
10·3	43·3	52·9	
10·3	53·3	0·2	
10·3	58·3	25·7	
8·3	19 6·3	34·6	8·5 GW≡
10·2	7·8	16·9	
10·2	8·8	24·7	
10·2	32·8	10·1	9·5
9·4	33·7	9·7	9·5
10·3	34·8	15·1	
9·6	47·8	56·0	
9·4	48·3	52·1	9·5
7·4	50·8	53·3	6·0 GSac
10·3	20 13·8	23·7	
10·3	18·8	31·8	
9·6	40·1	57·1	9·0 Ga
10·3	53·3	45·9	
10·2	58·8	44·2	
9·8	59·3	40·1	
8·9	21 5·3	59·5	8·5 a
9·0	13·8	25·5	8·0 G=
7·8	14·3	20·0	7·0 GSbl
10·3	29·2	1·4	
8·2	32·8	23·3	8·0 G−
10·2	34·3	25·6	9·0
9·3	45·3	54·3	9·0 Ga
9·9	45·8	14·7	
10·2	22 7·3	40·3	
	+1 35·6	+0·7	

5581—5640.

mag.	18h. m s	−29° ′	
9·9	22 9·8	44·6	
10·2	15·3	34·9	
10·3	20·8	33·8	
10·2	27·8	12·1	
10·3	35·3	8·8	
10·3	43·3	41·1	9·5
10·2	45·8	8·1	
9·4	54·3	41·3	10·0
10·3	23 37·3	40·1	
8·8	24 8·3	11·8	9·5 a
9·5	10·8	56·6	9·5
9·5	11·3	57·3	9·0
7·7	16·8	16·5	7·5 GSbc
10·0	17·3	13·7	
9·4	19·8	49·8	9·2
10·0	52·3	22·9	
10·2	55·3	49·3	
9·8	25 12·8	24·8	
9·4	25·3	42·2	−
9·5	25·3	57·3	9·5
10·3	35·3	22·3	
10·2	41·3	15·9	8·8 a
10·3	55·8	24·3	
10·0	57·8	28·0	
10·2	59·3	16·7	
10·2	26 1·3	48·5	
10·3	29·5	58·9	
10·0	50·9	19·1	
9·9	54·5	59·1	
7·7	28 1·1	47·7	7·0 GSac
10·3	10·3	59·9	
10·2	11·6	23·7	
9·0	29 13·1	20·3	8·5 Gatπ
7·8	20·1	34·5	8·0 GStπ
9·0	25·1	29·1	
10·3	28·6	28·7	
10·3	36·1	43·9	
10·2	41·6	49·6	
10·2	43·1	13·7	
10·2	46·9	20·4	
9·5	59·1	46·7	9·5
9·3	30 2·8	59·1	9·5
10·2	24·6	47·6	
10·3	49·1	11·6	
7·8	49·6	45·5	8·0 Gam
9·9	55·1	51·9	
10·3	31 8·1	18·8	
10·0	13·0	46·9	
10·3	22·0	25·1	
10·2	32·0	47·5	
9·4	32·0	36·1	
10·3	35·5	57·4	
10·3	42·0	31·5	
9·1	51·0	26·8	
10·0	52·5	8·5	
9·9	55·5	45·3	
9·9	57·5	3·7	
10·3	58·0	47·5	
10·0	32 1·0	22·9	
9·8	16·0	27·7	
	+1 35·5	+1·0	

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5641—5700.

mag.	18h. m	s	—29° ′	
10.0	32	19.0	18.0	
10.0		22.0	7.1	
10.3		23.0	18.9	
8.3		32.4	59.6	M--m
10.3		50.0	23.9	
8.9		57.0	26.2	–
10.3	33	2.5	8.3	
10.2		3.5	12.7	
8.8		5.0	25.7	=
10.0		7.0	0.7	
9.8		15.0	54.7	
10.2		18.0	15.7	
9.6		23.0	32.1	
10.3		25.4	31.9	
9.2		32.5	35.5	
8.5		40.2	4.4	9.0 –
10.2		45.0	36.1	
10.3		50.5	21.9	
10.2		54.7	31.6	
8.3	34	13.8	43.0	9.0 a
8.8		15.4	16.1	
10.3		43.1	57.9	
8.8		43.6	35.7	8.5 Ga
9.8		45.3	40.3	10.0
9.4		53.3	21.3	
9.8		53.8	11.0	
10.4	35	2.3	57.4	
9.7		13.3	8.8	
8.4		21.3	46.3	9.0 a
9.7		25.3	59.0	
9.8		25.8	19.0	
10.0		39.8	1.7	
10.2		42.3	17.7	
10.4		45.3	27.9	
9.2		45.8	12.1	9.5 G
9.5		52.8	43.1	9.5 a
9.8	36	4.3	26.8	
10.0		4.3	31.9	
10.2		7.8	32.8	
8.4		25.0	33.0	8.5 Gam
10.0		28.0	40.9	
9.9		31.5	55.7	
9.2		32.5	3.7	9.0
9.6		45.5	22.5	
9.4		51.0	41.5	
8.8	37	1.5	37.3	9.0 Ga
9.2		11.5	13.1	
9.8		15.5	55.7	
9.4		26.6	58.2	
10.0		31.5	10.1	
10.4		39.5	27.7	
9.1		46.0	33.3	9.5
9.9		48.0	6.3	
9.2		50.5	37.2	
8.6	38	0.5	5.3	9.0 Mm
9.7		2.5	57.9	
9.2		5.4	56.9	
10.4		11.5	25.7	
9.4		12.0	34.1	9.5 G
9.7		22.9	0.5	
25pr.	+1	35.5	+1.3	

5701—5760.

mag.	18h. m	s	—29° ′	
9.8	38	23.5	34.8	G
9.7		28.0	50.1	
8.2		29.5	39.0	8.5 Gb
9.6		32.5	32.8	
9.2		33.9	1.1	
9.9		35.5	41.2	
9.8		37.0	40.1	
9.7		44.9	2.7	
8.2		46.0	37.6	8.5 Ga
8.0		49.5	45.5	7.0 GSac
10.3		50.0	13.0	
10.3		52.5	8.5	
10.4	39	2.5	36.2	
9.6		9.5	14.3	9.0 am
9.7		15.5	26.3	
10.0		20.5	40.9	
10.0		29.3	18.4	
10.4		32.3	49.9	
10.0		38.8	18.2	
9.9		49.8	40.5	
9.9	40	11.8	31.9	
9.9		12.3	3.3	
10.0		18.3	15.5	
9.9		27.3	24.2	
9.4		36.8	51.1	
9.2		45.3	33.2	
10.2	41	13.3	12.3	
10.4		16.3	1.2	
9.4		26.8	29.1	
9.1		31.3	12.9	9.5
9.9		45.8	13.9	
10.3		49.8	52.0	
9.2		51.8	52.2	
9.6		55.8	30.0	
10.4		59.3	22.5	
10.2	42	7.8	38.2	
10.4		16.8	53.2	
9.7		30.3	18.9	
9.8		36.3	13.3	
10.4		41.8	4.5	
10.3		42.3	7.4	
10.4		46.3	1.7	
10.0		59.3	1.8	
10.4	43	3.3	19.1	
9.6		5.3	10.2	
9.4		6.3	53.2	
9.4		18.3	33.8	M=m
10.4		31.3	21.2	
8.8		46.6	27.6	–
10.4		55.6	31.3	
10.4	44	5.1	46.3	
9.8		5.1	44.4	
10.4		5.6	19.9	
10.0		21.1	41.1	
10.0		31.1	24.3	
10.2		32.1	40.8	
9.7		35.1	49.8	
7.8		41.1	31.4	6.5 GScl
10.0		42.1	11.1	
10.3		42.1	23.8	
	+1	35.4	+1.5	

5761—5820.

mag.	18h. m	s	—29° ′	
10.0	44	52.1	16.6	
10.3		58.6	5.8	
9.9	45	2.4	2.9	
10.4		13.1	45.6	
9.8		15.1	55.6	
10.4		23.1	39.6	
8.8		25.1	11.6	9.5 –
10.4		29.6	42.7	
10.3		58.6	11.8	
9.9	46	4.8	59.4	
9.6		6.6	54.1	
8.8		12.6	14.0	8.5 a
10.0		16.1	56.0	
10.0		17.6	11.0	
10.4		20.1	49.1	
9.8		25.1	45.0	
9.7		45.6	0.5	
9.9		47.6	47.7	
9.2		49.6	30.2	
10.4		52.6	15.0	
9.5		54.1	22.1	
10.0		58.6	21.0	
9.2	47	2.1	50.6	
10.4		9.1	7.7	
9.7		13.1	15.8	
10.0		23.1	22.6	
10.4		23.1	17.2	
8.0		30.6	22.0	7.0 GSlπ
10.0		32.1	10.6	
9.8		40.5	59.9	
9.7		40.9	44.8	10.0
10.0		45.4	40.9	
10.3		52.4	35.7	
10.3		52.9	55.8	
10.3		54.9	43.1	
10.3	48	8.4	19.1	
7.7		12.4	37.9	GSacl
8.8		25.4	50.9	9.0 –
9.6		28.4	5.4	
9.7		32.9	43.7	9.5
9.9		35.9	34.4	
9.9		39.4	32.5	
8.8		41.4	33.2	a
9.1		42.4	5.0	Mm
10.0		54.4	55.5	
9.8		55.9	29.6	
10.0		57.4	50.4	
9.6	49	5.4	33.3	10.0
9.8		6.7	59.4	
9.8		6.9	34.7	
9.9		10.9	52.7	
9.2		19.4	44.7	
9.6		28.4	12.7	
9.6		37.9	22.3	
9.7		39.9	4.3	
9.6		45.4	19.4	
9.4		51.4	51.8	–
9.2		58.9	56.4	
9.7		58.9	4.0	
9.1	50	1.7	1.2	9.5
	+1	35.2	+1.7	

5821—5880.

mag.	18h. m	s	—29° ′	
9.7	50	12.9	11.0	
10.4		40.4	18.0	
9.2		51.4	40.1	=
9.5	51	5.4	13.7	–
9.6		11.4	26.8	
9.6		15.9	44.5	
10.0		20.9	28.3	
10.4		24.4	55.6	
10.3		36.9	48.4	
10.4		42.4	55.8	
9.7	52	3.9	29.2	
9.6		11.9	29.4	
10.4		22.5	35.0	
10.4		31.9	21.1	
9.5		37.9	17.4	
10.0		38.4	44.1	
10.4	53	0.4	47.4	
10.0		22.9	29.0	
10.3		27.9	41.0	
9.1		35.4	17.9	–
9.7		44.9	22.4	
9.7	54	0.9	25.6	
8.4		24.4	30.8	=
10.3		32.4	9.8	
10.4		46.4	4.0	
8.8	55	0.9	19.1	
8.4		36.4	47.6	9.0 a
10.3		36.9	10.2	
10.4		45.4	25.8	
10.4		52.4	4.6	
9.4		56.9	8.0	
9.0	56	37.4	28.2	–
8.8		46.9	2.8	am
10.4		50.9	23.8	
10.0		53.4	32.8	
9.4		53.9	54.6	9.5 =
9.8	57	26.4	3.9	
9.2		28.1	8.8	9.0
8.8		28.3	23.6	9.0 a
9.7		32.6	29.8	
9.4		41.2	4.5	
10.3		46.4	31.8	
7.2		53.4	16.1	7.0 GSac
10.3		54.4	44.8	
10.0		57.1	11.0	
10.0	58	2.9	14.6	
10.2		3.9	41.0	
9.9		7.8	20.8	
9.9		16.3	14.8	9.5
9.0		25.0	25.5	
10.3		26.7	15.1	
9.5		32.0	45.5	
9.4		38.3	42.2	
9.9	59	6.7	26.3	
8.9		13.0	20.9	≡m
9.0		16.5	50.0	9.5
10.3		21.5	26.9	
9.6		22.5	17.2	
10.3		27.0	30.1	
9.9		35.5	23.9	
	+1	35.2	+2.0	

5881—5940.

mag.	18h.–19h. m s	—29° ′	
9.5	59 38.5	39.9	
10.3	40.5	13.9	
10.2	41.5	3.4	
9.2	42.5	44.9	
8.8	57.0	14.2	9.5 =m
10.2	57.5	5.1	
9.4	0 5.0	3.9	
10.0	15.5	46.0	
10.3	22.5	27.3	
9.1	26.0	19.2	
10.3	54.5	33.7	
9.7	56.5	18.4	
8.9	56.9	2.2	
10.0	1 0.5	20.0	
9.5	3.5	20.6	
9.9	52.0	55.6	
9.7	56.5	36.9	
10.3	2 3.5	1.9	
10.0	8.5	44.9	
9.0	13.0	18.3	
10.0	19.5	30.5	
9.0	23.5	4.3	9.5 G=
10.3	30.5	6.8	
9.8	53.5	29.2	
9.8	53.7	0.8	9.5
8.8	59.5	3.6	8.5 Ga
9.6	3 7.5	45.4	
9.6	16.0	21.5	
10.0	22.5	56.3	
6.6	24.0	42.2	6.5 GSac
9.5	37.1	29.0	
10.0	40.5	26.4	
9.0	56.3	1.4	
10.0	57.5	58.9	
9.0	4 0.1	44.4	9.0 GWa
10.3	3.1	34.0	
10.3	7.6	7.9	
9.4	12.1	35.2	
10.0	37.1	23.5	
9.8	44.1	25.3	
9.7	49.1	22.0	
9.7	55.1	30.6	
10.0	56.6	7.2	
10.3	59.6	0.6	
8.2	5 13.1	50.7	8.2 am
10.3	14.5	58.5	
9.5	17.1	49.1	
10.2	20.1	7.5	
9.6	23.1	24.9	
10.0	27.1	10.5	
9.9	33.1	4.2	
10.3	47.1	17.1	
9.8	6 4.1	17.9	
10.3	4.1	22.2	
10.3	13.1	37.3	
10.0	30.1	35.0	
8.6	33.1	28.9	8.0GW=m
9.6	43.1	2.1	
7.7	46.1	27.1	7.5 GSbc
10.2	7 0.1	47.8	
25pr.	+ 1 35.0	+2.3	

5941—6000.

mag.	19h. m s	—29° ′	
10.3	7 12.8	58.5	
10.2	21.1	48.7	
9.1	36.6	41.4	9.0 Ga
10.0	39.1	0.9	
9.6	57.7	44.1	10.0
10.2	59.5	24.0	
10.2	8 5.0	36.5	
9.4	12.5	50.9	
10.3	13.0	41.7	
10.3	28.0	31.9	
10.0	40.0	32.7	
9.7	42.0	55.9	
10.0	9 13.0	3.5	
9.0	13.0	33.2	–
10.3	18.0	17.2	
9.4	22.0	0.3	9.5
10.2	23.5	0.2	
10.3	25.0	41.1	
10.3	44.5	18.1	
9.7	46.0	55.1	
9.7	46.5	4.1	
10.2	10 5.5	8.7	
10.3	11.5	57.4	
10.0	23.5	4.6	
10.3	42.0	12.5	
9.2	47.0	47.4	
10.2	11 8.0	38.0	
9.7	13.0	19.2	
10.0	29.8	59.9	
8.4	35.0	14.7	8.5 M≡m
9.8	50.0	2.9	
10.3	52.0	0.0	
9.4	55.5	13.2	
9.7	12 9.0	2.0	
9.0	14.5	28.0	–
10.2	15.0	37.8	
10.2	19.5	37.5	
10.2	23.8	11.8	
9.6	33.8	49.6	
10.2	42.8	2.8	
9.6	45.3	52.7	
9.6	51.8	22.1	
10.2	58.6	45.0	
9.6	59.3	55.0	
9.8	13 2.8	38.4	
9.9	2.8	11.9	
9.4	4.8	22.4	–
10.3	5.6	59.0	
10.3	6.8	55.4	
10.3	12.8	57.9	
10.3	23.6	27.2	
9.6	24.3	38.7	
9.6	26.8	5.8	
9.0	29.6	42.1	–
9.4	35.8	42.2	
10.2	40.8	2.6	
8.0	44.3	50.1	7.0 GSbc
9.8	45.3	40.5	
10.3	46.6	18.3	
10.3	50.6	5.9	
	+ 1 34.8	+2.6	

6001—6060.

mag.	19h. m s	—29° ′	
10.3	13 51.8	25.4	
10.3	55.8	3.8	
10.3	58.2	58.2	
10.0	59.8	17.2	
10.2	14 4.3	49.8	
10.3	6.6	33.1	
9.4	7.3	51.9	9.0 a
7.6	9.3	45.2	7.0 GSac
10.0	12.8	57.7	
9.5	22.8	15.2	
10.2	27.6	31.1	
9.7	32.8	11.7	9.5
9.4	35.3	11.3	
10.0	35.8	58.2	
10.3	50.6	46.9	
8.9	54.3	49.4	9.5 –
8.4	15 4.8	17.8	7.5 Gaml
10.0	10.8	41.9	
10.0	15.8	16.4	
10.2	15.8	6.0	
9.7	21.8	2.2	
10.3	22.3	46.8	
9.7	52.8	26.0	
9.7	59.8	53.4	
10.3	16 24.3	47.1	
9.4	29.8	5.0	
10.0	41.8	12.2	
9.7	42.8	16.8	
9.4	17 2.8	27.3	
10.3	7.6	20.2	
7.7	12.3	32.9	6.0 GSac
9.9	12.8	35.5	
9.8	14.3	49.9	
9.8	15.3	57.6	
10.2	20.3	21.9	
10.2	26.3	10.4	
9.4	33.3	55.3	
9.4	35.3	19.2	
10.0	35.3	14.5	
10.4	41.8	13.5	
10.2	42.2	18.9	
9.8	45.3	47.1	
9.2	47.8	45.2	
10.2	58.3	31.1	
10.3	18 6.2	35.3	
10.2	25.2	54.4	
10.2	31.3	49.9	
10.3	35.8	3.9	
9.5	43.3	30.5	9.5
10.3	45.2	23.6	
6.1	19 2.7	59.3	6.0 GStπ
8.8	14.8	33.1	8.2 Gam
9.6	25.8	31.9	
10.2	35.8	55.9	
10.2	36.3	49.7	
9.5	47.3	3.9	
10.0	53.3	0.1	
10.2	54.2	51.3	
10.2	55.3	39.4	
8.4	59.3	44.8	7.8 Gam
	+ 1 34.7	+2.8	

6061—6120.

mag.	19h. m s	—29° ′	
8.9	19 59.3	50.4	8.7
9.6	20 11.8	17.1	
9.5	21.8	37.2	
10.2	22.3	17.4	
9.6	23.8	42.5	
8.8	30.3	38.2	8.0 Gam
10.2	32.8	11.0	
9.7	40.8	19.1	
9.5	40.8	7.9	
9.6	45.3	25.4	
9.8	49.8	2.3	
8.8	59.1	57.4	9.5 a
10.3	21 2.2	13.7	
8.2	3.0	13.3	7.5 Gam
10.2	3.2	22.2	
9.9	12.3	18.5	
10.3	19.3	21.5	
10.0	22.1	59.7	
8.0	31.0	57.7	8.5 Gam
9.8	54.0	48.6	
9.6	55.5	27.5	
8.6	22 7.5	55.1	9.0 Ga
9.0	47.2	54.7	9.5 G
8.3	58.2	38.3	8.0GM≡m
9.6	23 6.2	50.3	
9.8	7.7	33.5	
8.3	14.2	45.1	7.5 G>
9.4	16.2	11.3	8.5 G
10.0	34.7	50.9	
9.8	35.7	44.9	
9.2	47.2	37.9	9.5 –
9.6	24 19.2	56.8	
10.0	23.2	37.2	
9.6	36.7	30.9	
8.6	42.7	17.0	9.2
9.6	45.7	9.7	
9.6	51.2	5.2	
9.8	25 7.2	37.7	
10.4	8.2	41.3	
9.8	31.7	0.9	
9.8	26 0.2	28.4	
9.6	3.7	14.8	
10.4	5.7	38.4	
10.4	15.2	8.6	
9.4	16.2	25.6	–
9.6	30.7	49.8	
9.4	44.2	3.3	
10.4	46.2	44.3	
9.0	52.2	6.5	9.0 G
8.6	55.7	5.4	8.5 Gm
9.8	27 23.7	28.3	
9.8	32.2	48.9	
10.4	38.2	2.1	
8.8	45.7	41.3	9.5
9.8	54.9	44.8	
10.0	28 1.9	50.6	
10.4	27.4	19.3	
10.4	40.9	3.3	
9.6	41.9	12.7	
9.8	45.4	31.0	
	+ 1 34.5	+3.0	

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6121—6180.

mag.	19h. m	s	−29° ′	
9·8	28	55·4	44·4	
9·4	29	1·4	46·0	9·0
9·1		2·4	53·5	9·5
9·4		8·4	51·1	9·0 –
9·0		40·9	34·0	
8·3	30	4·4	5·6	8·0 Waml
10·0		7·9	0·6	
10·4		15·9	10·6	
9·8		17·4	24·2	9·5 G
8·5		46·2	1·2	8·2 Waml
10·4		48·9	56·6	
9·2		51·3	8·4	8·5 GWa
9·6		55·9	11·4	
10·0	31	44·9	31·7	
10·0	32	4·9	2·0	
9·8		5·4	31·4	
10·4		18·9	18·8	
10·0		32·4	17·3	
9·0	33	6·4	40·3	
10·4		12·9	47·5	
10·4		15·4	31·2	
9·8		24·4	23·7	
9·6		30·4	28·2	10·0
10·0		50·4	14·5	
8·5	34	2·9	8·4	8·5 GW=m
9·6		5·4	16·2	
9·0		9·9	35·2	8·8 a
9·6		21·9	55·0	
10·4		33·9	57·3	
10·0		49·4	25·3	
10·0		53·9	56·7	
10·0		58·2	19·6	
9·0	35	49·0	1·6	9·5
9·4		52·2	25·0	
9·6	36	25·2	26·5	
9·6		55·2	13·6	
9·6	37	7·2	34·4	
9·2		8·7	13·5	
10·0		24·7	27·5	
9·0		24·7	24·6	–
10·0		44·7	34·2	
9·6		58·2	42·8	K
9·6	38	33·7	40·3	
9·0		53·2	54·2	
8·0	39	12·2	7·9	9·0 G–m
9·1	40	3·2	27·8	7·5 GSac
10·2		15·7	46·6	9·5 –
9·1		22·2	16·6	
9·4		24·7	27·2	
[illegible]		34·7	50·0	9·5
8·0		44·2	0·2	8·0 Sa
9·8		47·2	15·0	
8·4		52·2	12·4	8·5 GWa
10·0		58·2	2·8	
9·2	41	10·4	58·6	9·0 –
[illegible]		23·7	5·7	6·1 GScl
[illegible]		[illegible]	[illegible]·5	
9·2		[illegible]	56·2	
10·4		[illegible]	46·9	
10·4		46·5	44·2	
25pr.	+1	34·1	+3·4	

6181—6240.

mag.	19h.–20h. m	s	−29° ′	
10·0	43	2·2	45·5	
10·4		14·7	32·0	
10·0		16·7	16·5	
9·4		33·2	19·9	
9·8		35·2	21·2	
9·8	44	51·2	46·5	
9·8		59·2	22·3	
9·8	45	37·5	28·8	
9·6		47·7	36·3	
10·4	46	13·7	12·7	
8·8	47	12·7	54·9	a
9·8		15·2	43·3	9·1 –
9·8		36·7	24·1	
8·1		43·7	25·3	8·3 Gam
8·1		56·7	32·1	8·5 Gam
10·4	48	8·7	30·9	9·2 Gam
10·0	49	0·7	46·1	
9·6		26·7	30·9	
8·6		26·7	46·1	9·5
10·2		28·4	58·9	
8·7		54·2	24·8	9·3 =
9·6	50	11·7	51·8	
10·0		46·2	31·8	
8·8	51	22·2	51·0	
8·2		26·7	11·3	8·3 Gaml
9·8		35·7	38·9	
10·4	52	22·2	1·8	
10·0		51·7	23·7	
9·6	53	33·2	19·3	
9·1		34·7	17·5	9·5
9·4		42·7	54·8	
9·8		43·7	22·7	
9·2		51·7	52·1	
10·4	54	17·2	33·9	
9·8		43·2	37·6	
10·2	55	12·7	50·5	
9·4		54·2	21·6	
8·7	56	28·7	48·7	am
9·6		48·7	12·1	
9·4	57	8·7	1·3	
7·7		33·8	25·5	7·5 GSac
9·5	58	0·8	47·6	
10·0		3·3	4·4	
10·1		4·3	5·3	10·0
10·0		7·3	33·7	
9·8		12·3	0·5	9·5
9·8		18·3	37·4	
9·8		27·0	1·0	
8·4		32·8	29·9	8·5 GWam
10·2	59	0·3	3·7	
10·2		3·3	56·3	
8·4		8·3	46·1	8·0 Gam
10·2		39·3	29·3	
9·8		42·3	4·3	
9·1	0	4·3	7·9	9·5
9·8		27·8	26·3	
9·2		41·8	15·1	=
9·8	1	19·3	33·4	
10·0		34·8	40·5	
9·4		38·3	23·7	
	+1	33·4	+4·0	

6241—6300.

mag.	20h. m	s	−29° ′	
9·2	1	45·3	52·1	8·5 Ga
9·2	2	0·8	24·3	
8·2		6·1	59·8	8·5 Gam
10·4		30·2	12·6	
10·0	3	4·3	19·0	
9·4		27·1	0·0	
10·0		30·3	48·4	
9·8		32·3	55·0	
8·4		45·3	3·7	7·5 Gam
9·2	4	12·8	17·7	a
9·2		26·3	55·3	8·3 Gam
8·8		35·3	3·9	
10·2		42·2	51·1	
9·8	5	4·2	35·2	
9·6		5·8	7·2	9·0
9·8	6	38·3	36·0	9·5 GM–m
9·2		43·5	0·6	–
9·8	7	25·8	17·1	
9·6		42·3	34·8	
10·0		42·3	54·4	
8·8	8	54·3	27·6	
9·8	9	53·3	46·6	8·5 Gam
9·4	10	38·5	34·6	
10·0		49·9	57·6	
9·8		57·8	14·0	
9·9	11	5·8	1·9	
10·0		14·3	42·2	
9·9		18·3	20·0	
9·9		31·8	41·7	
10·0		52·3	30·6	
9·0	12	6·8	45·8	Mm
10·0		12·8	36·0	–
10·0†		31·3	2·3	
9·8		31·8	32·1	
8·3		32·8	31·2	7·5 GWam
8·1		44·3	34·8	8·0 GWa
7·6		45·8	35·3	6·5 GSac
10·0		49·3	7·8	
9·0		51·8	33·8	9·5
10·0		53·0	10·4	
10·0		55·3	25·0	
9·6	13	2·3	13·8	
9·8		19·3	40·0	
8·8	14	15·8	29·1	am
10·0		43·8	15·0	
9·8	15	3·3	13·8	
8·6		15·3	32·8	8·8 GWam
10·0		21·3	35·6	
9·4		45·8	22·5	
9·9	16	35·8	8·0	
9·8		41·3	16·4	
9·9		42·3	42·1	
9·4		43·3	22·0	
9·0		56·3	9·0	9·0 G
9·9	17	0·3	20·7	
7·8		2·3	28·6	6·5 GSb≡
9·3		9·2	56·9	≡
8·4		28·8	15·8	8·5 =
9·8		37·3	25·2	
7·3		47·3	4·0	6·2 GSlβ
	+1	32·6	+4·6	

6301—6360.

mag.	20h. m	s	−29° ′	
8·6	17	52·7	50·5	9·0 am
8·6	18	22·7	26·5	8·8 am
7·8		52·2	28·6	7·0 GSbm
9·4	19	20·2	30·7	
10·0		33·0	11·1	
10·0		45·3	11·4	
7·8		49·2	13·2	8·0 GSac
9·9		55·2	29·5	
8·2	20	25·2	47·0	7·5 GSac
9·9		27·2	49·0	
10·0	21	12·2	37·3	
9·0		31·2	48·1	10·0 Mm
9·3		35·7	15·0	
9·0	22	3·7	26·2	9·0 Gam
9·8	23	8·7	22·4	
9·9		12·9	59·8	
10·0		15·2	36·4	10·0
7·0		16·7	31·7	6·5 GSbβ
9·8		45·7	10·3	
9·9	24	5·2	21·6	
10·0		6·7	36·2	
10·0		20·2	55·0	
9·0		44·7	1·5	8·1 GWam
9·4		52·7	8·2	9·0
7·3	25	5·0	1·2	7·3 GSac
9·9		14·7	49·6	
9·9	26	2·7	46·8	
7·3		10·2	43·0	7·0 GSam
9·8		23·7	5·0	
9·9		28·2	9·6	
9·1		29·7	32·3	9·0 Ga
10·0		35·4	29·9	
10·0		45·2	24·2	
10·0		56·6	6·0	
9·1	27	5·4	58·3	
9·0		17·1	1·2	8·1 am
9·9		51·7	48·0	
9·9	28	4·7	21·2	
9·8		51·8	41·1	
8·7	29	38·8	8·6	7·7 Gbm
9·4		50·3	46·7	
9·9	30	4·8	42·0	
9·4		11·3	15·5	8·8 Gm
10·0		25·3	15·1	
9·3	31	6·3	41·8	–
9·4	32	22·3	10·0	
8·4		32·3	18·6	8·0 Gam
9·4		38·3	45·7	8·8
8·2		47·3	38·3	7·5 Ga
9·4		51·8	34·6	9·2 –
9·8		55·3	55·8	
10·0	33	19·7	7·6	
9·1		22·8	54·0	Mm
9·4		39·1	53·5	
9·0		42·1	21·9	
9·8		47·3	58·0	
10·0		52·8	7·8	9·5
8·8		55·1	35·1	9·2 Gam
10·0		56·1	20·1	
10·8	34	6·3	38·4	
	+1	32·0	+5·0	

6361—6420.

mag.	20h. m s	—29° ′	
10·4	34 8·8	31·7	
7·4	11·0	12·3	7·5 GSbm
9·4	34·5	23·6	
9·6	35 4·8	21·6	
9·0	11·8	34·6	8·5 –m
10·4	19·8	49·7	
8·0	26·8	13·0	8·0 Gam
7·4	38·8	51·9	7·0 GSam
10·8	51·3	36·9	
10·3	36 25·8	5·9	
8·2	37 2·8	43·4	8·5 a
9·8	25·8	30·0	=
10·8	51·8	35·8	
9·6	54·3	10·2	
8·8	38 5·8	4·4	8·5 M=m
10·2	15·8	1·4	
10·4	19·3	17·4	
8·6	39 1·3	16·2	9·0 a
9·8	5·8	51·9	
8·8	11·8	48·3	Gam
10·8	49·8	49·9	
10·0	54·3	53·9	
10·8	40 21·8	16·2	
10·8	27·8	29·2	
10·8	45·8	4·6	
10·4	53·3	25·0	
10·0	55·8	49·0	
10·8	56·8	6·0	
9·2	41 3·0	59·4	
9·8	15·8	23·4	
10·8	23·3	11·3	
8·8	26·8	29·4	8·2 Gam
10·0	35·8	32·0	
9·6	35·8	44·7	–
10·8	46·3	7·0	
10·8	56·3	0·4	
10·8	42 31·8	45·6	
8·8	35·3	56·1	
9·2	51·3	12·6	
8·4	56·3	28·7	8·0 Ga
9·2	57·8	17·3	–
10·2	43 32·8	46·9	
10·0	32·8	31·1	
9·9	41·3	38·9	
7·4	44 4·8	54·3	7·0 GSa
9·2	49·3	21·9	
10·4	45 2·8	23·0	
10·2	3·3	36·9	
10·8	6·8	9·4	
10·3	12·8	53·3	
10·8	36·8	43·0	
10·6	46 42·8	36·3	
8·8	47 11·8	52·9	8·5 Gam
9·2	27·3	50·1	9·2 –
9·0	48·3	18·7	
9·9	59·8	36·4	
9·9	48 6·8	39·2	
9·8	23·3	22·0	
10·2	23·8	52·0	
8·8	39·8	32·6	8·8 am
25pr.	+1 31·2	+5·4	

6421—6480.

mag.	20h.–21h. m s	—29° ′	
9·8	48 46·3	29·8	
9·8	52·3	22·0	
9·9	49 35·8	43·0	
9·9	35·8	39·0	
9·9	48·8	49·4	
10·8	50 25·8	6·7	
9·9	51 23·3	40·8	
9·6	57·8	55·9	
10·4	52 17·3	9·1	
9·8	22·8	27·2	–
9·6	31·3	34·7	8·5 Ga
9·2	32·0	57·7	
9·2	47·3	29·1	
8·8	53 11·8	16·2	–
9·0	33·3	21·6	–
10·6	45·3	42·4	
10·8	54·2	21·5	
10·4	55·7	8·4	
10·8	58·2	36·6	
10·3	54 2·7	53·5	
9·8	34·2	11·2	
10·8	35·7	26·6	
9·8	42·7	19·9	
6·9	55 25·7	36·0	7·0 GSam
9·6	41·7	25·9	
9·4	56 1·7	11·7	
10·3	12·7	35·5	
9·9	14·7	41·1	
9·8	16·7	20·8	
10·8	25·7	24·4	
8·2	41·7	38·3	8·2 Gam
10·4	52·7	2·3	
10·0	57 23·7	39·0	
10·6	33·2	59·2	
10·6	34·2	32·1	
10·2	35·2	53·9	
10·6	45·7	16·6	
8·8	50·0	57·3	
10·6	58 13·0	7·7	
9·0	13·3	37·3	
10·0	16·0	48·3	
10·6	33·0	0·5	
10·0	41·0	39·6	
10·0	46·0	7·1	
10·6	59 0·0	42·9	
10·2	2·0	18·5	
10·0	14·2	59·9	
9·2	20·0	40·2	
10·2	25·0	55·3	
10·6	31·5	55·7	
9·4	0 0·5	36·1	
10·6	13·0	44·5	
9·2	20·0	42·4	
9·6	31·5	54·6	
10·4	42·0	50·4	
8·6	46·0	29·2	9·0 –
10·6	52·0	18·2	
9·6	1 6·5	12·9	
10·6	23·0	28·2	
10·6	25·5	32·4	
	+1 30·4	+5·8	

6481—6540.

mag.	21h. m s	—29° ′	
10·6	1 26·2	59·6	
9·6	37·5	35·0	9·5 M–m
9·8	45·5	19·8	
9·2	52·0	57·9	K
9·0	55·0	46·0	
10·6	2 12·0	24·6	
10·6	14·0	19·4	G
10·6	22·0	48·4	
10·2	32·0	7·0	
10·6	33·0	5·6	
10·6	42·5	6·9	
10·6	56·0	6·1	
10·2	3 11·5	6·4	
8·7	20·0	8·1	9·0 –
10·2	27·0	54·2	
8·6	36·5	28·0	9·0
9·2	46·3	23·4	8·8 –
10·6	50·3	55·1	
9·6	51·3	4·5	
9·6	4 3·8	22·1	
9·8	6·8	32·5	
10·0	10·3	14·9	
9·8	27·8	52·2	
10·0	35·3	51·0	
10·2	38·3	49·3	
10·2	5 16·3	7·3	
9·6	23·3	20·2	
10·6	37·3	20·9	
10·0	51·8	36·1	
8·0	55·3	17·6	8·5 a
9·8	56·3	5·0	
9·2	6 11·3	22·8	9·0 –
10·6	15·3	48·3	
10·6	25·3	27·1	
10·6	32·3	37·8	
9·9	33·3	44·9	
9·9	45·3	7·6	
9·8	59·3	16·3	
10·2	7 0·3	52·1	
10·6	5·3	6·1	
9·9	12·8	46·2	
10·6	18·8	19·6	
9·0	25·3	52·4	–
8·8	28·3	36·6	9·0
10·0	33·3	13·4	
10·2	49·3	30·3	
10·6	57·3	35·1	
10·0	8 7·3	10·7	
9·2	31·3	10·9	–m
10·6	43·3	19·0	
9·8	43·3	56·2	
8·8	9 3·0	1·9	8·5 aml
10·2	16·3	16·1	
9·0	32·3	7·4	9·2
10·6	49·3	13·0	
9·4	10 35·8	45·7	
8·4	41·3	13·0	7·8 GSal
10·0	58·3	29·7	
10·0	11 1·8	17·7	
8·3	10·8	46·8	8·8 a
	+1 29·8	+6·1	

6541—6600.

mag.	21h. m s	—29° ′	
7·6	11 31·8	17·2	6·8 GSlπ
10·6	36·1	58·8	
8·8	36·8	5·6	
9·6	40·8	12·6	
9·2	43·1	57·8	
9·1	12 0·5	2·4	
10·0	1·6	44·1	
10·6	20·8	54·3	
8·2	32·8	52·6	8·3 a
10·6	13 3·8	23·8	
10·2	6·8	20·4	
10·2	11·3	2·7	
9·6	19·8	4·3	
10·2	21·3	44·4	
9·9	22·3	43·1	
10·6	36·3	49·8	
9·5	44·8	45·7	
9·8	54·3	28·3	
9·6	14 1·8	12·2	
10·2	2·8	8·6	
7·8	23·3	41·7	6·5 GStπ
10·0	52·6	34·5	
10·6	52·8	9·1	
10·0	15 13·8	6·5	
7·4	15·1	58·1	7·0 GSa
10·0	21·1	59·7	
9·0	24·8	29·9	
10·2	24·8	43·2	
9·2	24·8	5·5	
10·6	35·8	6·6	
8·4	50·8	36·2	am
9·2	56·8	44·1	
10·6	59·3	53·8	
10·0	16 4·8	30·0	
10·6	26·5	53·5	
8·8	49·0	42·2	9·0 Ga
9·9	54·5	25·5	
9·2	17 0·0	46·5	9·5
9·4	18 12·1	0·6	
10·2	20·0	4·4	
10·0	40·5	25·1	
10·6	19 0·0	18·7	
9·8	13·5	11·0	
8·4	20·0	32·9	8·0 Gam
10·6	21·5	10·3	
10·4	40·5	56·0	
9·9	45·5	39·1	
10·6	47·5	30·8	
9·0	53·0	40·7	9·5 –
9·9	53·5	41·2	9·5
10·0	20 0·5	54·8	
10·0	1·5	1·9	
9·6	12·5	9·0	
10·0	13·5	12·4	
10·0	32·7	57·1	
10·6	45·5	5·1	
9·9	56·0	55·0	
9·8	21 7·5	14·8	
9·8	21·2	2·1	
9·5	21·5	55·0	
	+1 29·2	+6·3	

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6601—6660.

mag.	21h. m	s	—29° ′	
9·9	21	46·5	46·9	
10·6		50·5	4·3	
10·6		54·5	54·7	
9·8	22	8·5	20·4	
9·2	23	1·7	23·1	8·5 GM−m
9·4		39·7	16·5	9·0 am
10·0	24	42·2	17·2	
9·6	25	3·2	20·8	9·5
10·0	26	55·0	2·3	
8·4	27	18·7	26·3	Ga
9·8		20·2	23·0	≡
9·4	29	0·2	50·4	
10·0		4·7	10·2	
9·7		38·2	5·1	
7·9		41·2	10·0	8·0 Gaml
9·4		41·7	14·6	9·5 ≡
9·9	32	17·2	22·7	
9·9		56·7	31·2	
9·2	33	11·7	47·7	9·5 G
9·0		19·7	8·2	−
9·6	35	45·2	15·1	=
10·0	36	15·7	5·7	
10·0		54·7	3·1	
9·4	38	5·5	39·2	
7·8		15·5	17·8	8·0 GSam
9·6	39	21·5	18·0	−
9·2		27·5	3·7	
10·0		46·0	18·2	
9·7		55·5	34·8	
8·7	40	1·5	23·5	≡
10·0		48·0	39·7	
9·2	41	25·0	51·2	9·5 −
8·4		35·5	56·8	8·2 Ga
9·0		39·5	4·0	≡
9·4		42·5	45·2	10·0
9·8	42	22·0	3·6	
8·9		50·0	7·2	a
9·4		57·5	21·1	
9·4	43	40·5	18·2	
9·8	44	2·5	43·6	
10·0		25·5	28·0	
9·4		32·5	11·7	9·5 −
10·0		50·0	30·7	
10·0	45	0·0	43·7	
8·9		26·5	28·8	8·8 a
9·0		42·0	21·0	8·8 =
9·8	46	15·5	17·2	
9·4		22·0	28·1	−
8·3		26·3	15·1	7·7 Gaml
10·8		27·4	1·7	
9·3	47	21·1	25·5	8·8 Ga
9·3	49	6·2	56·3	9·0 −
8·4		34·1	24·5	8·0 Gam
9·2	50	35·6	42·3	8·5 G=
[illegible]	51	[illegible]	49·9	9·5
[illegible]	52	17·6	39·0	7·2 GSam
[illegible]		[illegible]	12·9	7·5 Gtlπ
9·3		36·1	54·0	8·5 Ga
6·0		[illegible]	3·2	6·0 GSπβ
9·3		[illegible]	29·0	
25pr.	+1	27·7	+6·8	

6661—6720.

mag.	21h.–22h. m	s	—29° ′	
9·1	54	16·6	22·9	=
9·0	55	16·1	14·7	9·0 G=
9·3		55·1	37·2	9·0 G−
9·3	56	6·6	45·3	G−
9·6		12·6	11·3	=
6·6		26·6	57·0	7·2 GSa
10·0		52·1	14·5	
9·8	57	13·1	45·5	
7·4		30·1	2·5	7·2 GSal
9·2	58	15·1	54·2	M
9·3		22·1	34·9	10·0
9·6		37·1	0·4	
9·9		40·6	35·3	9·5
7·4	59	3·1	40·7	7·8 Gatπ
8·0		5·1	18·6	7·5 GWb−
9·4		29·7	21·1	9·0 −
9·6	1	7·7	48·7	10·0
9·8	2	11·7	50·7	10·0
10·0		12·7	5·2	
9·6	4	43·2	34·1	9·5
9·9	6	42·7	17·0	9·5 =
9·0	7	16·7	43·2	
8·4		34·7	29·4	≡
9·6		35·2	31·1	
9·9	8	29·2	44·2	
9·3	9	25·5	57·9	9·5 −
10·0		41·2	48·6	
9·3		47·5	56·7	9·0 Ga
9·6		54·8	24·4	
9·4	10	43·6	27·9	
10·0	11	3·9	57·4	10·0 G
9·4		24·9	32·5	
9·4		38·9	55·6	9·5 G
9·1	12	57·9	46·4	−
8·8	13	21·9	55·0	
10·3		55·9	14·8	
7·9	14	33·9	23·9	8·2 GWam
10·3	15	30·4	44·8	
10·0	17	5·7	12·3	
8·0		9·7	18·2	8·8 GWbm
10·0	18	20·2	38·6	
8·6		52·7	21·0	8·5 GWam
7·9	19	6·2	42·9	7·9 GSam
9·6		53·2	18·0	
8·8	21	40·7	22·4	=
8·2	22	23·2	21·7	8·2 GS=
7·8		25·2	17·7	7·0 GSb≡
8·7		28·7	42·9	8·5 a
10·2		56·2	50·9	
10·0		57·7	38·6	
9·6	23	13·2	30·8	
10·0		56·2	52·9	
9·2	24	5·7	55·8	9·0 −
10·0		36·7	2·5	
9·6	25	22·7	27·1	
9·5		23·2	16·0	9·5 G=
10·3		39·7	5·3	
9·5		53·7	23·8	
8·6		59·7	37·5	8·0 Gam
10·3	27	37·2	3·0	
	+1	25·4	+7·4	

6721—6780.

mag.	22h.–23h. m	s	—29° ′	
10·3	27	47·3	3·5	
10·3		54·3	2·5	
8·6		57·2	26·3	8·5 M≡m
9·6	28	31·2	56·8	
9·6		36·2	34·9	
8·3		46·2	7·5	8·8 Gam
9·0		56·2	11·7	9·3 a
10·3	30	28·7	29·8	
9·6		33·2	25·2	9·0 =
8·0		43·7	41·6	8·0 Gam
9·2		46·2	47·1	9·5
7·6	31	47·2	23·8	6·5 GSam
9·6	32	19·5	57·1	
8·6		52·2	29·9	8·0 Ga
8·7	33	12·2	57·9	8·5 =
9·5	34	15·7	55·6	
9·6		26·2	45·0	
9·8		31·7	48·2	
10·0		36·2	28·7	
8·4	36	4·7	17·0	8·8 W≡
8·5	37	9·2	35·0	9·0 Sb≥
9·3		30·7	31·1	10·0
9·8	38	25·0	18·4	
9·7		31·7	48·8	10·0
8·5	41	6·7	10·7	8·2 Ga
9·7		14·2	36·9	
9·3		55·7	18·9	9·0 GW=
8·6	42	19·7	50·8	8·2 Ga
8·8	43	54·0	58·1	9·5
7·6	45	48·7	50·7	7·9 GSa
9·8	46	28·2	49·1	
8·0		35·7	4·8	8·2 Gam
9·7	47	48·5	59·0	9·5 G−
10·2	48	41·7	39·4	
9·6		42·2	44·4	9·5 G
8·2		45·7	42·4	9·5 G
7·6	49	37·2	16·4	8·2 Gam
9·7	50	32·3	55·4	
9·8	53	50·8	43·9	
6·4	54	30·3	31·4	6·0 GSam
8·4		36·3	47·4	8·5 =
9·8		43·8	28·4	
9·8	55	9·8	55·4	9·2 G
10·0	57	32·3	15·7	
9·8	58	17·0	9·2	9·2 M−m
11·2	59	49·7	30·7	
9·4	0	49·2	15·5	9·5 −m
11·2	1	1·7	8·9	!
6·8		35·2	29·8	6·0 GStπ
10·0	2	36·7	40·5	G
10·6		45·7	47·5	
11·4	3	10·7	23·9	
8·0		21·2	37·3	8·0 Ga
8·0		45·2	6·3	8·5 Ga
10·8	4	34·2	56·4	
10·6	5	44·7	17·0	
7·3	6	33·7	5·6	8·0 Gbm
10·8		36·0	5·0	
8·0	7	49·2	8·3	8·0 Gatπ
11·4		57·7	19·5	
	+1	22·8	+7·9	

6781—6840.

mag.	23h. m	s	—29° ′	
10·8	8	3·7	33·8	
10·2		22·7	28·5	
11·4	9	12·2	8·2	
8·8		29·7	3·6	9·5 −
11·4		35·2	53·4	
10·2		51·7	14·1	
7·5		56·7	21·8	7·5 GStπ
11·2	10	5·7	20·8	
8·8		17·6	59·1	9·5
7·4		25·7	7·0	6·5 GStπ
10·4		53·2	51·1	
8·8	11	31·2	10·0	9·2 −
8·6		46·7	9·4	8·0 Gtlπ
7·6	12	11·7	25·2	8·0 GSbl
9·8		20·7	47·7	
7·8		21·7	4·3	7·0 GSlπ
9·2		57·2	24·8	9·5 −
9·0	14	6·7	20·0	9·5 a
10·6	16	32·7	51·1	
7·8		47·7	21·5	8·0 Gb≡m
8·6		54·2	41·1	a
7·9	17	3·2	16·1	8·0 am
11·4	18	5·7	49·5	
9·8		27·2	26·1	
10·4		47·2	55·6	
11·2	19	4·7	44·3	
9·4		13·2	37·3	9·5
9·6		26·7	54·3	
10·8	21	0·7	17·5	
11·2		41·0	48·0	
10·8	22	4·0	48·5	
9·0		34·0	34·4	9·5
9·6	23	57·3	12·4	
9·6	24	53·8	37·9	9·0 Ga
10·4		59·3	54·2	
10·8	25	8·3	26·5	
9·1		13·8	31·3	
10·2	26	6·3	35·3	
9·1		16·8	2·7	9·2 G
8·8		38·3	21·9	9·5 am
10·0	27	6·8	13·3	
10·0		38·8	24·1	
9·4	28	42·3	46·8	
8·6		46·8	25·6	9·0 Ga
9·0		59·3	32·7	9·0 a
9·3	29	5·8	20·4	9·5 −
9·3		6·8	15·3	10·0
10·8		27·3	42·6	
10·0		39·8	25·2	
10·4		46·3	34·8	
10·8		49·3	45·3	
10·8	30	27·8	50·1	
10·2		30·8	53·6	
10·8		51·8	28·6	
9·0	31	29·3	27·0	M≡m
10·0	32	42·7	52·4	
10·0	33	1·2	2·3	
10·4		4·7	3·8	
9·3		6·2	23·9	
10·4		9·2	38·3	
	+1	19·9	+8·2	

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6841—6862.

mag.	23h. m	s	—29° ′	
8.1	33	23.7	38.0	8.0 Ga
10.0		38.7	37.3	9.0
7.8		41.7	3.0	8.0 Gam
8.5		44.2	35.9	9.0 am
10.4	34	29.7	16.6	
10.0	35	7.2	40.3	
10.8		20.2	3.6	
8.1	36	29.7	44.2	8.0 GSa
9.0		37.2	45.7	9.5
10.0		51.3	58.3	
10.0		53.7	53.3	
9.4		57.7	49.3	
9.6	37	0.2	30.7	
9.3		45.7	40.3	
9.3	38	7.2	26.3	9.0 ≡
10.8		29.2	4.6	
9.6	39	3.2	22.0	
9.4		13.2	6.0	
10.0		23.2	57.2	
9.6		31.9	23.3	
10.8		46.5	53.5	
10.8		56.9	10.9	
25pr.	+ 1	18.7	+ 8.3	

6863—6884.

mag.	23h. m	s	—29° ′	
10.0	40	5.9	20.1	
9.2		16.4	28.7	9.0 M≡m
9.6	41	5.7	0.3	
10.8		31.9	28.4	
9.4		45.9	24.7	
10.6		53.9	20.3	
9.6	42	14.4	49.0	
10.8		32.4	5.1	
10.8		49.9	48.7	
8.6 ●	43	15.2	2.2	9.0 al
8.5	45	25.4	1.3	8.2 Gam
10.8		41.9	3.8	
9.0		57.7	4.2	9.2 G
8.8	46	31.6	3.0	8.5 a
10.4		31.6	4.6	
9.8		52.4	34.2	
9.0	47	34.9	11.0	≡m
10.4	48	28.9	41.3	
10.4		43.9	23.7	
10.3		57.9	8.9	
9.4	49	36.4	6.0	
10.3		40.9	16.5	
	+ 1	18.0	+ 8.3	

6885—6906.

mag.	23h. m	s	—29° ′	
10.3	49	59.4	25.9	
8.6	50	3.9	48.4	10.0 G—
10.2		12.9	23.1	
9.6	51	6.4	10.3	
10.0		22.4	23.3	
8.4	52	7.4	54.4	9.0 a
10.4		11.3	15.3	
9.8		22.3	18.5	
10.0		26.4	32.3	
9.0		35.9	20.8	9.5 ≡
9.8		45.9	34.1	
9.2	53	1.4	32.9	
8.8		22.9	12.0	=
10.2		46.9	27.5	
9.8	54	10.1	57.6	
10.4		13.9	21.8	
10.3		21.9	49.8	
10.2		41.4	52.4	
9.8		50.9	11.3	
7.6		56.9	25.2	7.0 GSam
9.4	55	16.4	2.7	
10.4		17.4	50.2	
	+ 1	17.4	+ 8.4	

6907—6927.

mag.	23h. m	s	—29° ′	
10.4	55	25.4	42.6	
9.0		58.6	15.9	am
10.3	56	1.1	47.1	
9.0		14.1	46.1	
10.4		47.7	2.3	
8.6	57	2.1	41.7	—
7.6		13.1	6.7	8.2 Gaml
8.2		15.1	5.3	8.5 Gal
7.6		28.1	5.3	8.0 Gaml
6.1		56.6	57.9	GSb≡
10.2	58	3.6	25.3	
8.4		17.1	32.7	8.5 b
10.4		19.1	51.3	
10.3		44.1	54.9	
10.2		52.1	28.7	
10.0	59	24.1	39.8	
10.4		33.6	37.9	
10.2		36.1	53.3	
10.3		40.1	4.3	
7.6		46.1	50.8	8.5 Ga
9.2		49.1	10.3	
	+ 1	17.0	+ 8.4	

ZONE — 30°.

1—30.

mag.	0h. m	s	—30° ′	
10.0	0	2.1	33.8	
9.6	1	12.1	59.0	
8.6		40.1	43.7	
9.4		40.1	49.7	
9.2		43.1	6.7	—
8.8	2	5.1	45.8	9.0 —
9.8		10.1	25.2	
10.4		22.1	12.9	
9.2		38.6	37.7	
10.0	3	3.1	0.0	
10.3		13.6	49.1	
9.6		30.6	2.3	
10.4		34.6	42.7	
10.4		54.9	6.3	
8.8	4	56.4	20.0	9.0 a
9.2	6	19.9	2.3	10.0 —
8.8		37.9	9.8	9.5 —
8.4		38.9	45.1	8.0 Gb
10.4		41.9	17.9	
8.0	7	14.4	16.1	8.5 Ga
10.4		32.4	16.8	
10.4		33.4	35.8	
10.4		48.9	17.8	
9.6		56.4	15.6	
10.4	8	23.1	49.4	
9.0		32.9	51.9	
10.4	9	1.1	27.9	
8.7		6.6	51.8	8.2 G≂
10.4		13.1	35.8	
9.8	10	3.2	34.9	
25pr.	+ 1	16.4	+ 8.4	

31—60.

mag.	0h. m	s	—30° ′	
9.0	10	24.7	26.5	—
10.3		48.1	20.8	
9.3	11	6.9	30.9	—
8.0	12	23.9	39.0	8.0 GSa
10.2	14	25.9	10.6	
7.6		37.9	22.8	8.0 GSa
7.6	17	5.9	32.2	7.0 GSa
8.4		21.9	10.8	8.5 a
10.2		21.9	38.7	
9.4		22.4	4.1	9.0 —
10.0	18	30.9	20.6	
9.4	19	32.9	6.0	
9.0		39.9	28.3	
10.2	20	7.9	38.6	
10.0		36.9	22.1	
8.4		59.9	16.3	≂
8.9	21	5.9	47.0	
10.2		21.2	59.0	
9.6		30.9	13.0	
9.2		40.4	8.6	9.0 =
8.4	22	12.9	48.1	9.0 —
8.9		41.4	25.2	
9.8		52.9	32.0	—
9.2		59.4	12.0	
8.4	23	45.4	55.3	
10.2	24	48.4	17.5	
10.2	25	2.9	57.7	
10.2		19.9	15.9	
10.2	26	21.4	58.5	
6.8	27	29.9	14.8	6.0 GSlπ
	+ 1	15.0	+ 8.3	

61—90.

mag.	0h. m	s	—30° ′	
10.2	27	56.9	25.0	
10.2		58.9	32.5	
10.2	30	32.9	45.6	
10.2		36.9	11.8	
8.7		50.4	24.0	8.5 a
9.3	31	52.4	12.0	8.7 Wa
10.2	33	1.9	34.9	
8.2		23.9	30.4	7.8 Ga
9.0		29.9	16.8	
10.6		56.6	31.6	
8.0	34	22.6	33.5	8.5 Ga
6.4		24.6	6.5	6.8 GSa
9.2		56.6	12.4	9.0 a
10.6	36	23.6	23.6	
8.7	38	13.6	47.9	9.0
9.0		19.6	25.6	
10.0		29.6	56.4	
10.4		46.6	35.0	
9.4	40	29.5	0.9	G—
7.0		32.6	52.4	6.5 GSa
9.6		53.1	51.9	
9.4	41	15.3	10.9	
7.3		50.8	1.7	7.3 GSa
10.6	42	25.8	8.4	
10.0		54.8	13.0	
10.6	43	11.3	56.2	
9.4	45	11.8	22.1	9.0
10.0	46	33.8	22.8	
8.5	47	45.8	51.2	8.5 G=
9.4	49	43.3	21.4	9.5 G
	+ 1	13.6	+ 8.2	

91—120.

mag.	0h.–1h. m	s	—30° ′	
9.4	50	1.3	10.2	
10.4		1.8	5.4	
9.2		52.8	26.1	
10.4	51	0.3	12.3	
10.2		1.8	26.2	
9.2		7.0	2.3	9.2 Ga
9.6		31.8	40.5	
9.8		51.8	12.1	
3.5	52	35.5	2.0	4.3 GSlπ
10.4		42.8	46.6	
8.4		59.8	4.7	9.0 G
10.6	54	12.8	20.5	
9.2	56	0.0	39.6	9.5 —
10.6		15.3	59.5	
8.9		50.0	55.6	9.5
10.6	57	11.0	14.3	
10.0		15.0	24.0	
6.8		19.5	11.8	6.5 GSct
10.2	58	4.8	14.8	
9.2		6.0	4.3	
8.6		18.0	41.6	
8.2		31.5	28.0	8.8 G=
9.7	0	29.6	1.7	
9.7		49.0	49.5	
11.0	1	1.5	33.2	
8.4		3.0	17.1	9.0 G=
10.2	2	33.0	41.1	
7.6		54.0	17.2	8.2 a
10.8	4	21.5	28.9	
10.0		41.5	45.9	
	+ 1	11.9	+ 8.1	

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121—180.

mag.	1h. m	s	—30° ′	
9·8	5	30·0	9·4	9·0 G–
9·2		49·5	35·9	–
10·0	7	1·5	26·2	
8·8		3·0	21·4	
11·0		15·0	26·9	
11·0		22·0	0·8	
11·0		25·5	59·7	
11·0		36·5	0·7	
10·8		37·0	30·2	
8·6		50·7	58·3	9·0
10·8		59·8	36·9	
11·0	8	31·3	8·5	
10·4		35·3	17·1	
9·8		38·8	52·1	
8·8		51·8	3·3	9·0
10·4	9	12·8	41·9	
11·0		19·3	4·2	
9·2		21·8	14·0	9·0 a
10·6		28·8	56·8	
10·6		55·3	35·1	
9·7	10	47·8	37·0	
8·9	11	15·8	38·6	9·5 a
10·6		54·3	42·5	
10·4	12	12·5	57·2	
9·0		41·3	50·5	8·8 –
9·2		53·0	59·8	
9·2	13	2·8	37·1	
10·8		21·8	54·0	
10·5	14	18·8	55·4	
8·1		32·3	15·3	8·3 Ga
8·9		41·8	27·8	8·8 a
10·2	15	52·6	56·5	
10·5	16	7·3	4·8	
10·6		34·3	37·8	
11·0		40·3	5·4	
9·8	17	10·8	40·4	
11·0		27·8	11·9	
10·6	18	29·8	33·8	
11·0	20	11·8	34·1	
7·8		40·3	55·6	7·7 GSb–
9·8		42·8	35·6	
8·2		59·3	7·2	8·2 Ga
7·4	21	16·3	53·1	7·0 GSb
8·8		21·8	23·0	8·5 a
11·0	22	43·8	2·9	
8·6		55·0	32·3	8·8 GScr
7·9	23	52·5	41·5	8·5 Ga
9·4	24	52·5	43·1	
7·2	25	42·0	37·8	7·0 GStr
6·8		57·0	55·5	6·0 GSct
9·2	26	6·0	48·3	9·5 G
9·8		26·0	2·5	
8·2		42·0	22·1	8·5 GSa
9·6	27	1·0	9·4	
8·2		38·0	34·7	8·2 Ga
9·8		49·0	28·1	
9·3	28	24·5	35·9	8·5 Ga
9·2		26·0	51·9	G
8·8		36·5	1·7	9·5
9·6		50·5	23·5	
25pr.	+ 1	10·5	+ 7·9	

181—240.

mag.	1h. m	s	—30° ′	
7·6	29	14·0	33·3	7·8 GSa
8·6		17·0	30·9	8·8 GWa
10·1		40·0	44·1	
9·8		47·5	19·1	
9·1		54·0	53·1	
6·4	30	22·0	32·8	6·0 GSlπ
8·7		24·0	2·1	8·0 a
9·4		59·5	33·4	9·5 a
8·2	31	20·5	1·9	8·2 Ga
10·1		26·6	6·0	10·0
9·4	32	25·6	54·0	
9·8	33	57·6	16·1	
9·3	34	15·6	18·3	
10·0	35	25·1	46·6	
10·0	37	5·6	18·4	
9·3		36·6	2·7	
8·6	38	5·6	26·3	9·0 a
9·4	40	51·6	12·8	
9·0	41	6·1	49·2	9·8
9·4		37·1	39·5	
7·8		59·1	20·7	8·8 GSb–
9·6	42	10·6	39·7	
9·8	43	5·6	17·0	
10·0	45	26·6	19·8	
10·0	46	7·3	56·8	
10·2		51·7	0·2	
8·5		54·3	54·4	8·5 –
9·6		59·8	43·0	
9·8	47	13·8	10·6	
9·6		18·3	27·8	
10·2		42·3	42·1	
9·9		49·6	59·2	
9·4		52·1	2·5	
8·8	48	12·3	55·1	8·5 Ga
9·6		27·3	55·4	9·5
9·4		54·3	13·9	
10·0		58·3	45·0	
9·2	50	29·3	26·2	
9·8	51	15·8	47·6	
9·2		17·6	2·2	a
9·6		30·3	41·0	
9·0		47·3	4·5	a
10·0		57·3	21·9	
9·2	52	35·3	49·6	
10·2	54	13·7	57·5	
8·0		35·8	28·2	8·2
10·2		38·3	50·8	
9·0		44·3	6·9	9·5 a
9·0		48·8	23·0	9·0
8·6	55	33·3	46·3	8·0 G
6·6		40·3	36·2	5·8 GSlπ
8·6		42·3	6·5	8·0 Gb
9·6	56	28·3	18·4	
9·9		32·4	6·3	
9·2		38·9	29·4	9·0 G
6·7		52·9	16·1	6·8 GSa
8·8	57	7·4	25·0	8·5 a
8·6		9·4	55·5	8·5 Ga
9·0		11·9	56·0	9·0
10·0		53·9	30·2	
	+ 1	7·9	+ 7·4	

241—300.

mag.	1h.–2h. m	s	—30° ′	
9·0	58	13·4	13·5	8·5 Ga
8·8	59	58·4	54·3	
10·2	1	13·4	20·7	
10·2		30·3	45·9	
8·8		33·4	8·4	
9·9		59·9	38·1	
9·6	2	27·9	17·5	
9·8		32·9	52·9	
10·2		54·9	12·2	
9·4	4	20·9	0·2	
8·6		31·9	35·1	9·0 G=
10·2		55·3	27·9	
9·2	5	23·4	53·0	
10·2		32·3	24·0	
10·2		33·3	40·0	
10·0		33·4	51·2	
9·0		34·4	49·1	a
10·2		54·4	28·7	
10·2	6	6·3	0·9	
10·2		7·9	11·1	
9·4		12·4	32·0	
9·4	7	8·9	23·0	
9·4		27·4	55·0	
9·0	8	10·4	28·1	
9·2	9	26·4	14·1	9·0 G
9·4		34·4	53·4	
10·0		46·4	39·1	
9·4		59·4	0·2	9·0 G
9·8	10	26·8	59·1	
10·4	11	27·1	45·1	
10·0		38·3	50·8	
10·4	12	26·3	7·0	
8·7		31·3	24·2	9·0 –
9·2		43·8	18·2	
8·2	13	3·8	14·8	8·5 Ga
10·4		6·5	15·0	9·5 G
10·2	14	0·3	24·0	
9·2	15	0·8	44·5	9·0 Ga
9·8		6·3	18·6	
10·4		23·5	13·6	
9·4		38·3	18·0	a
9·8		53·8	30·8	
9·0	16	7·3	11·0	8·8 Ga
10·4		23·3	17·4	
8·7	17	24·3	29·0	8·5 G–
7·7		32·3	11·3	8·5 Ga
7·4		46·8	26·0	7·5 GSct
9·0	18	20·8	3·0	9·5 G
8·2		28·0	0·2	8·5 Ga
7·8	19	21·0	25·7	8·0 Ga
8·8		38·0	55·5	9·0
9·0		56·0	6·8	8·5 a
9·8	21	19·0	2·9	
9·4		34·5	3·6	
10·0	22	3·3	26·4	
8·7		23·5	16·3	8·5 Ga
9·8		56·0	10·7	9·5 Gb·
9·6		58·5	12·3	9·0 b
10·4	23	3·0	14·8	
9·6		36·0	59·3	
	+ 1	6·1	+ 7·0	

301—360.

mag.	2h. m	s	—30° ′	
9·4	23	51·0	27·4	b
9·4	24	34·5	18·0	9·5 Ga
7·8		56·5	54·5	8·5 Gb
10·0	25	20·0	44·8	
10·4		31·0	32·2	
9·8		46·0	54·2	
9·4	26	22·5	33·2	
10·0		28·0	9·6	
10·0	28	10·6	2·2	
7·2		24·5	29·0	7·5 GSa
10·4		35·5	15·3	
8·0	29	7·5	29·8	8·0 GSa
10·4		56·0	2·9	
9·8	30	22·0	53·7	
6·6		45·5	35·4	6·0 GSlπ
9·4		57·0	51·1	
9·8	31	48·5	11·6	
10·0	32	8·0	3·0	
6·6		55·1	44·0	6·0 GStπ
9·2	33	2·8	51·5	9·0
10·4		30·9	46·9	
10·6	34	2·0	57·9	
10·6		53·0	6·9	
7·8	35	12·1	40·4	8·0 Ga
10·4		49·1	38·5	
8·2	36	17·2	35·7	7·5 Ga
9·0		17·2	50·8	9·2 Ga
7·8		31·2	56·4	7·8 GSa
9·3	37	14·2	25·3	
10·6	38	4·2	18·5	
9·0		42·7	27·3	G
10·4		48·7	41·9	
9·8	39	19·7	28·5	8·2 G
10·6		59·7	31·9	
9·1	40	13·7	24·5	8·5 a
10·2		17·1	16·3	
10·4		22·1	35·5	
9·8		41·8	39·0	
10·6	41	35·8	22·8	
10·0	42	3·8	11·9	
10·2		33·8	5·4	
10·4	43	22·8	23·5	
10·4		29·3	49·9	
9·0		53·8	4·7	9·0 a
10·6	44	10·8	52·1	
10·4		16·8	29·6	
9·1		22·8	59·2	
10·6		40·6	2·1	
7·6	46	3·8	57·1	8·0 GSa
10·6		41·8	53·2	
10·4		56·8	56·0	
8·3	47	54·8	20·7	8·8 Ga
10·2	48	45·8	57·0	
9·6		46·3	7·9	9·0 G
10·4		48·3	57·9	
10·2	49	16·8	2·8	
8·6		18·3	21·0	8·0 GSa
10·2		27·8	7·9	G
8·8		29·3	8·2	9·0 GS
9·1	50	17·8	30·3	
	+ 1	4·2	+ 6·4	

361—420.

mag.	2h.–3h. m	s	−30° ′	
10·0	50	52·8	26·8	
10·4	51	16·8	6·4	
10·6		22·8	20·8	
10·4		32·8	2·3	
10·0		44·8	54·9	
6·4		55·8	21·5	6·8 GSlπ
10·4	52	9·3	45·5	
9·8	53	16·8	47·9	
10·4		30·8	58·2	
10·6	54	8·8	17·4	
8·0		32·8	40·1	8·2 Ga
9·1		53·8	42·3	9·5
9·9		57·3	5·5	
8·6	55	26·8	12·3	9·0 a
10·2		42·8	29·0	
7·8		42·8	51·4	8·0 Ga
9·0	56	43·1	57·2	9·0 a
8·6	57	4·1	58·7	a
9·1	58	14·8	23·7	9·0
9·9		17·1	37·2	
10·0	59	19·4	56·2	9·2
10·0		23·9	3·0	
10·4		24·3	58·4	
9·8		37·4	9·4	
9·2	0	47·4	50·5	
7·5	1	25·9	28·2	7·5 GSat
7·2	2	43·9	47·7	7·6 GSa
10·2	4	2·9	49·3	
10·0		7·9	33·3	
10·2		23·9	29·4	
9·0		51·9	23·9	9·0
10·4	5	0·9	39·7	
8·2	6	1·7	58·5	9·0 a
10·4		11·4	27·9	
8·2		39·9	44·9	a
9·8	7	20·9	4·9	
7·9		23·9	37·5	a
9·7		29·9	8·0	
9·6		45·9	26·2	
10·0		58·4	21·3	
10·4	8	3·9	1·0	
9·4		5·9	21·4	
10·0		15·9	11·0	
6·9		24·9	16·2	7·0 GStπ
8·0		27·9	41·4	9·0 a
9·6		44·5	18·0	a
9·8	9	41·0	44·8	
10·2	10	2·0	13·2	
9·2		18·0	52·6	
10·0	11	37·2	2·9	
10·4	13	24·5	35·0	
9·4	14	24·0	19·0	
8·0		44·0	40·7	8·2 G–
9·7	15	57·0	38·4	a
8·9	16	9·0	26·0	9·0 Ga
10·0		48·5	49·4	
10·2	17	10·0	10·9	
9·7		10·5	12·6	
9·4		26·0	38·6	9·0 Ga
10·4	18	48·0	40·6	
25pr.	+1	2·6	+5·8	

421—480.

mag.	3h. m	s	−30° ′	
8·8	18	52·0	59·2	8·2 Ga
10·2		53·0	21·9	
10·2		53·0	13·8	
9·7		59·5	3·0	
9·4	19	21·5	9·4	
10·0		28·5	48·0	
8·8	20	0·0	36·9	9·0 G
7·9		2·0	17·1	7·5 GSat
9·6		22·0	26·4	
8·8		28·0	59·5	9·5
8·6	21	53·8	54·1	8·3 G–
9·4	22	58·8	39·0	
10·3	24	18·0	3·9	
10·0		42·3	14·8	
10·4		52·8	44·8	
8·0	25	28·8	45·8	8·5 G=
8·6		31·8	13·0	8·8 G
10·0		42·8	52·0	
9·8		57·6	24·4	
9·4	26	15·1	56·8	
10·4		18·1	1·4	
8·6	27	38·1	18·8	9·0 Ga
9·4	28	7·6	56·2	9·5 G
10·0		31·1	37·8	
9·6		40·1	47·7	
9·4		46·6	41·1	8·5 Ga
9·4	29	33·1	42·4	
9·4		41·6	22·7	
9·6		44·1	44·0	
10·3		55·6	35·0	
10·4	30	30·6	1·5	
10·3	31	22·6	47·6	
10·3		43·6	53·6	
6·8	32	3·1	14·6	7·2 GSat
8·5		14·2	35·7	8·0 Gb
10·4		45·2	28·0	
9·8	34	2·2	0·1	
10·3		7·7	18·9	
9·4		35·7	49·4	
10·0		36·2	55·4	
9·8		51·2	12·0	
9·8	35	15·3	43·4	
9·4		19·2	54·9	9·5
9·8		32·2	4·7	
10·4		43·3	43·1	
10·0		49·7	31·0	
9·4	36	1·2	49·1	
10·3		2·7	19·4	
8·6		5·2	19·9	9·0
10·4		34·7	35·5	
10·2		35·2	30·6	
8·6		35·7	47·0	
8·0	37	2·7	39·6	8·0 Ga
9·8		4·2	15·5	
8·6		25·2	34·4	9·0 Ga
10·3		38·7	49·3	
8·6	39	3·7	25·3	9·0 Ga
9·8		32·2	37·0	
10·0		44·7	1·3	
9·6	40	20·7	59·2	
	+1	1·2	+5·1	

481—540.

mag.	3h.–4h. m	s	−30° ′	
10·0	40	20·9	2·8	
8·8		40·2	29·0	8·0 Sa
10·2	41	22·1	4·9	
9·4		45·3	2·8	
8·0		57·1	26·4	7·2 GSa
7·1	42	15·1	17·2	7·0 GSa
6·8		53·1	32·8	5·8 GStπ
7·9		53·1	28·9	8·2 GSa
10·2	43	1·1	24·9	
10·4		5·6	7·8	
8·6		26·1	27·7	9·0 a
8·8		32·1	47·2	10·0
10·0		38·1	28·8	9·5
8·8	45	21·9	3·4	9·0 a
9·2		32·1	56·3	9·5 S–
9·8		32·4	18·4	
9·8	46	0·1	20·4	
8·6		21·8	27·2	a
9·4	47	37·6	56·6	
9·3	48	4·1	30·4	
9·9		44·6	4·7	
9·3	50	34·1	32·1	9·5
9·9		46·1	41·2	
9·4		56·1	10·5	9·0 a
10·0		57·1	48·4	
10·0		58·1	10·2	
10·0	51	6·6	18·2	
8·1		8·6	1·5	7·8 GSa
8·9		31·1	21·4	8·5 Ga
10·0		37·6	26·4	
9·6		44·1	34·1	
9·4	52	6·1	14·3	
9·0		36·1	13·7	9·0 a
10·0	53	22·6	31·4	
9·7		36·1	46·0	
8·9		37·1	55·5	9·5 =
9·6		50·6	3·9	
10·2	54	50·1	4·9	
10·2	55	14·9	58·8	
6·3		41·6	50·6	6·2 GSlπ
9·8	56	58·6	20·7	
10·0		59·6	24·5	
9·8	57	2·1	52·6	9·5 G
8·4		2·6	49·1	8·2 G=
10·0		9·6	55·2	
10·0		25·6	20·5	
9·9		32·6	34·1	
9·6		34·1	28·9	
9·6	58	8·1	48·8	9·5
9·3		18·2	2·2	
9·8		22·1	6·3	
9·1	59	40·6	20·9	
8·0		53·6	33·9	8·0 GSa
9·4		56·6	56·6	
9·0	0	1·1	31·1	8·5 GWa
9·0		52·1	1·1	8·8 a
9·6	1	20·6	29·5	
8·8		28·2	59·5	9·0
10·1	2	24·1	29·2	
9·3		30·6	8·5	
	+1	0·1	+4·4	

541—600.

mag.	4h. m	s	−30° ′	
9·6	2	31·1	51·4	
9·1		56·1	14·9	10·0 G
10·2	3	8·6	56·7	
9·4		12·6	30·1	
10·2		14·1	34·9	
9·9		21·1	26·9	
9·2		21·6	46·9	–
9·6		47·7	57·5	
10·2		53·1	4·9	
9·1	4	17·5	44·8	
8·6	5	28·0	36·5	8·5
9·9	6	1·0	44·1	
9·0		54·5	39·2	9·0 G
8·6		58·5	34·5	8·8 G
8·6	7	14·0	45·6	8·2 G=
9·9		26·5	31·4	
9·4		34·5	29·1	9·5 G
10·1		38·5	58·8	
9·0		53·5	38·1	7·8 GSb
9·9	8	8·0	37·5	
9·4		32·0	15·1	
9·4		49·5	27·8	
8·2	9	6·0	25·8	7·2 GSat
10·4	10	7·0	1·2	
7·3		8·7	23·3	7·6 GSa
8·7		26·7	40·2	
8·9		45·2	52·3	a
9·8	11	16·7	3·3	
9·0	12	1·7	23·5	9·0 GS
9·0		3·2	18·7	9·2 G
9·6		12·2	40·3	
9·0		24·7	45·8	9·0 a
9·6		58·7	10·5	
10·1	13	32·7	43·8	
9·4		40·2	47·7	
10·4		52·3	48·0	
9·0	14	59·7	42·3	9·5
9·6	16	7·9	27·1	
9·5		14·4	24·4	
9·0		46·4	30·3	a
9·2	17	14·9	53·4	
9·6		43·4	44·9	
8·9		57·4	3·0	8·7 Ga
9·2	18	3·9	26·3	
9·0		5·1	2·0	9·5
9·0	20	35·4	53·1	
10·1		42·4	49·0	
10·1		52·9	18·8	
10·4	21	5·4	50·6	
9·3		13·4	13·8	
9·8		15·4	50·6	
8·5		17·4	36·9	8·0 GS≡
9·5		18·9	25·8	
9·6		20·9	37·6	9·5
8·9		54·4	17·0	8·5 =
10·4	22	3·4	1·9	
10·0		16·4	31·0	
8·8		30·4	14·4	8·0 G=
9·8		57·9	11·2	
8·1	23	38·7	2·1	8·2 GSat
	+0	59·3	+3·8	

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601—660.

mag.	4^h m s	—30° '	
8·8	23 38·9	31·3	9·5
9·6	41·4	14·9	
9·5	41·9	45·0	
9·5	44·4	56·1	
9·8	24 27·9	1·3	
10·1	43·9	45·8	
8·9	25 9·4	32·4	8·8 G
8·6	10·9	14·1	a
9·0	16·3	58·4	
7·4	29·4	43·0	7·5 GStπ
9·3	30·9	29·9	
9·2	34·4	27·0	
9·2	40·9	47·2	
10·1	26 3·9	53·5	
10·0	14·4	6·5	
8·4	33·3	2·8	8·0 GSb
9·6	36·4	35·3	
9·2	42·9	0·6	
9·2	43·9	37·1	
10·2	27 15·9	59·4	
10·2	22·4	20·8	
8·8	24·4	22·4	8·8 Ga
10·4	38·4	46·8	
10·2	45·4	56·6	
10·1	28 31·9	3·4	
5·8	36·2	1·4	5·0 GSπβ
8·1	29 14·4	50·0	8·2 GW≥
10·0	28·9	25·2	
9·8	43·4	18·8	
9·8	30 24·9	9·1	
5·0	41·4	49·1	4·0 GSπβ
10·1	42·4	37·9	
9·5	45·6	59·0	
10·1	31 45·4	32·5	
6·0	32 0·1	58·4	6·2 GStπ
8·0	13·9	40·9	6·8 GStπ
8·2	17·4	12·1	8·5 G–
9·5	43·9	48·4	
8·1	44·4	9·2	8·0 G–
8·9	44·9	42·6	8·5 G
10·4	33 6·2	39·6	
9·0	24·9	35·0	
9·3	35·1	40·1	
8·8	34 23·2	50·5	8·8 a
10·8	25·3	45·1	
8·6	31·0	42·1	8·2 Ga
11·0	46·2	31·9	
8·8	35 5·2	3·2	a
10·4	43·2	19·4	
10·0	50·7	58·9	
11·0	55·7	12·3	
9·4	36 9·7	46·8	
10·8	13·2	2·4	
10·8	16·7	1·3	
9·1	22·7	17·0	
8·8	41·[illegible]	42·1	9·0
9·9	46·[illegible]	56·9	10·0
10·8	[illegible]	33·3	
9·8	[illegible]	19·3	
11·0	[illegible]	55·6	
25pr.	+0 58·6	+3·2	

661—720.

mag.	4^h m s	—30° '	
10·3	37 42·2	24·7	
10·6	53·2	19·9	
10·8	38 3·2	57·1	
11·0	6·7	54·4	
9·6	39 8·2	24·7	
9·6	13·2	3·6	
9·4	40 13·2	8·7	
9·4	13·4	1·7	
9·6	26·2	37·1	
10·4	46·7	41·5	
8·8	46·7	53·5	8·8 –
9·4	50·2	50·1	
9·4	59·7	0·4	
11·0	41 8·2	31·8	
9·1	13·2	53·2	9·5
8·8	15·7	51·1	9·5
9·8	23·2	5·6	
10·0	23·5	58·1	
9·4	53·7	8·0	
8·8	42 32·7	55·4	9·8 –
10·8	38·2	52·4	
9·7	55·7	53·2	
7·6	57·2	14·7	6·8 GStπ
9·4	43 12·7	33·7	
11·0	21·2	9·4	
9·6	28·2	51·2	
9·9	44·7	32·1	
9·0	44 17·7	26·0	9·5 a
10·3	31·7	50·0	
10·2	45 1·7	6·1	
11·0	9·2	48·5	
9·9	10·7	22·6	
8·5	17·2	28·5	8·5 Ga
9·7	17·7	32·0	
9·6	21·2	14·2	
10·2	31·7	9·2	
10·2	45·2	2·5	
10·8	57·7	3·7	
10·8	59·2	19·0	
9·4	46 19·2	29·5	9·5
9·6	27·7	52·5	
10·8	47 23·7	54·6	
10·6	25·7	2·9	
9·8	32·7	11·8	
9·9	33·1	11·1	
7·5	49·1	52·1	7·8 GW≡
9·4	48 4·1	0·8	10·0
10·6	12·6	55·7	
9·6	31·1	51·1	
9·4	39·6	28·7	
9·9	44·1	8·6	
9·9	55·1	37·2	
9·9	59·6	14·0	
9·2	49 15·6	5·8	
11·0	19·6	52·1	
9·6	22·1	30·1	
10·8	32·1	5·2	
9·4	34·6	28·1	
9·6	36·6	29·4	
10·3	52·6	26·3	
	+0 58·2	+2·7	

721—780.

mag.	4^h m s	—30° '	
11·0	49 59·6	49·5	
7·2	50 17·6	29·2	7·8 GSb=
9·6	20·1	13·0	
9·1	30·7	59·9	9·5
10·6	41·6	46·8	
9·0	51 0·1	31·2	8·8
9·7	0·6	16·9	
9·8	4·6	5·7	
8·5	36·1	26·1	9·0 –
10·6	42·6	29·7	
9·1	46·1	33·2	9·5 G
10·8	53·6	33·1	
10·8	52 15·1	59·2	
11·0	17·6	2·5	
9·1	30·6	51·3	
9·0	55·1	25·7	G
9·6	59·1	5·1	
9·1	53 6·6	25·6	9·5 G
10·3	12·3	33·2	
9·4	12·6	7·6	
11·0	13·1	20·1	
8·2	31·1	36·4	8·8 a
9·9	41·1	6·4	
9·0	52·1	26·2	
9·6	54 5·4	5·4	
10·4	17·6	29·4	
10·0	19·1	17·6	
10·0	40·1	27·2	
10·4	43·6	26·5	
9·1	44·1	50·6	
9·4	56·1	33·4	
10·8	58·6	54·0	
9·4	55 31·6	47·9	
10·8	36·6	24·9	
10·8	36·6	32·7	
9·6	37·6	34·0	
10·3	44·1	57·4	
10·3	55·1	16·1	
10·6	56 7·1	37·7	
10·8	21·1	56·4	
10·8	21·1	1·8	
10·8	22·1	40·5	
9·2	26·1	1·9	a
9·0	26·1	15·6	9·0 G
9·2	26·6	16·3	9·5 G
9·9	27·1	3·5	
8·2	38·6	25·0	7·8 Ga
10·4	43·1	26·4	
10·0	55·6	1·0	
9·1	57 15·6	33·4	
10·3	21·4	19·5	
10·8	40·6	51·4	
9·0	46·4	19·6	9·5 a
10·0	58 5·1	24·1	
11·0	16·6	46·6	
10·8	24·6	1·9	
9·5	26·8	40·5	
9·8	56·6	2·8	
10·2	59 15·8	6·6	
10·6	37·3	52·6	
	+0 57·9	+2·3	

781—840.

mag.	4^h—5^h m s	—30° '	
11·0	59 37·3	2·4	
10·8	42·8	35·1	
10·5	55·8	34·9	
9·6	56·8	55·1	9·0
9·8	0 3·8	42·3	
10·8	14·8	59·9	
10·4	15·3	5·4	
9·7	18·8	3·1	
9·8	1 25·3	34·7	
10·2	55·8	10·1	
10·0	2 36·8	43·2	
9·3	46·8	47·7	
10·6	53·8	16·0	
9·5	3 0·1	56·4	
11·0	15·3	0·9	
9·8	20·5	41·5	
10·0	39·0	58·2	
10·6	44·5	11·5	
11·0	50·5	24·2	
8·8	56·5	19·5	9·0
9·3	57·0	52·9	10·0
10·8	4 3·5	41·7	
11·0	3·5	59·6	
9·8	18·5	42·5	
9·5	30·0	20·5	
9·0	51·2	0·5	
9·0	5 51·5	14·5	9·0
9·8	6 12·0	59·5	
7·7	41·5	22·7	7·0 GStπ
9·7	7 6·5	36·2	9·5
9·3	11·0	42·3	
9·0	11·0	37·2	8·5 –
9·5	12·0	17·1	
10·5	27·0	4·3	
8·2	37·5	7·7	8·5 Gb
9·2	8 28·5	24·2	
9·4	34·5	29·9	
10·8	52·5	2·9	
10·5	55·0	40·3	
8·4	56·5	42·3	9·0 a
10·6	9 28·5	35·3	
9·5	34·0	24·3	
11·0	39·0	29·6	
9·7	43·5	36·2	
9·4	54·5	46·8	
9·3	10 2·5	13·8	
10·6	23·5	18·8	
9·2	26·5	15·4	
9·3	28·0	22·6	
10·2	11 2·3	17·7	
9·8	10·3	19·1	
8·8	37·8	0·2	8·8 a
8·4	49·3	30·2	8·5 Ga
9·5	12 7·3	1·8	
10·0	11·8	10·6	
10·6	26·3	14·5	
9·7	29·0	56·3	
10·8	40·3	57·4	
9·4	13 7·3	16·1	9·5
9·0	14·3	8·1	8·2 Ga
	+0 57·7	+1·9	

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841—900.

mag.	5h. m s	—30° ′	
10·8	13 28·8	19·7	
9·6	14 37·3	16·5	
10·1	43·3	34·4	
9·7	43·3	12·0	
10·0	44·8	12·3	
10·8	50·3	47·9	
10·2	52·8	13·7	
10·8	15 22·3	51·2	
10·5	45·3	44·2	
8·2	48·7	2·7	8·5 G=
11·0	57·8	5·3	
10·6	16 13·3	6·9	
8·2	22·3	11·8	7·5 GSa
10·1	26·3	5·0	
10·5	30·3	30·3	
10·8	36·3	7·0	
9·0	53·3	45·8	9·0 b
10·6	53·8	58·4	
9·0	17 16·3	13·7	10·0
10·2	17·3	53·6	
10·6	17·3	30·3	
10·1	25·8	10·3	
9·4	26·3	41·6	
8·8	18 10·3	43·0	9·5
10·8	12·3	29·5	
9·8	16·3	39·8	9·5
10·1	33·8	20·7	
10·5	49·6	21·0	
11·0	19 7·1	7·6	
8·6	35·6	25·5	
10·6	46·1	8·4	
9·3	56·1	30·6	
9·2	20 3·7	58·7	
8·8	11·6	15·6	8·5 G–
9·5	12·1	50·8	
10·4	33·1	40·4	
9·0	33·6	43·5	8·3 G–
10·6	21 1·1	50·3	
9·4	9·6	6·7	9·5 a
8·6	18·4	47·0	9·0 –
9·0	21·1	20·8	
10·4	22·1	4·0	
9·8	23·4	15·6	
9·0	33·3	33·4	
9·4	38·1	23·0	
10·8	44·5	35·3	
8·8	59·8	40·8	8·8 G–
10·5	22 4·1	44·7	
10·8	13·3	2·3	
10·0	13·6	34·7	
9·7	14·6	54·1	
9·8	24·4	15·7	
8·9	25·9	22·8	
10·2	33·5	8·5	
9·0	40·1	4·0	9·5 Ga
8·7	46·1	11·0	9·2 a
10·0	53·1	3·9	
10·2	53·6	16·5	
10·5	23 1·9	25·7	
9·2	3·6	15·2	
25pr.	+0 57·4	+1·5	

901—960.

mag.	5h. m s	—30° ′	
9·8	23 11·6	15·8	
8·6	19·6	14·3	9·0 G
8·4	23·6	7·8	8·8 a
10·0	37·1	14·6	
8·9	44·1	5·4	9·2 G
10·2	54·5	24·7	
10·0	24 2·8	53·4	
10·5	3·5	16·1	
7·8	18·8	13·1	7·0 GSa
10·4	27·3	38·1	
10·6	37·5	12·1	
9·2	57·3	20·6	
10·2	57·3	39·1	
9·0	25 16·8	29·1	
9·5	27·3	32·0	
9·4	43·5	57·0	9·5
9·5	26 0·5	4·5	
10·0	2·0	50·5	
9·6	9·0	19·1	
8·7	29·5	47·3	
9·8	32·5	31·1	
10·2	35·5	29·1	
10·0	43·0	25·5	
10·2	46·0	20·1	
9·6	47·5	33·9	
10·0	48·1	12·6	
9·8	49·5	50·8	
8·2	51·0	58·2	8·2 G≥
10·4	54·0	14·2	
8·6	27 13·0	56·5	9·0 G–
9·8	15·0	31·7	
9·8	19·0	10·0	
10·0	20·5	17·7	
10·0	24·5	1·6	
10·5	27·1	54·9	
9·8	36·8	21·3	
8·2	42·3	38·6	9·5 Ga
9·2	54·8	34·5	
9·0	28 24·8	39·3	
9·8	28·8	44·9	
9·5	33·3	35·0	
9·8	37·3	47·5	
8·2	38·3	51·3	8·2 Ga
10·5	45·8	24·3	
9·8	51·3	42·8	
7·9	29 2·8	1·7	7·8 GSa
10·2	5·3	17·2	
9·8	18·8	58·4	
9·8	19·3	18·8	
10·2	28·6	41·7	
9·8	36·6	40·1	
8·7	36·6	58·3	
10·2	36·6	20·5	
8·8	44·1	50·3	9·5 Ga
10·4	46·1	14·5	
8·6	47·1	48·0	9·5
9·8	56·1	51·5	
10·5	56·6	25·5	
10·5	30 11·0	27·9	
10·0	18·1	50·1	
	+0 57·3	+1·2	

961—1020.

mag.	5h. m s	—30° ′	
10·5	30 24·0	22·5	
9·4	43·1	31·7	
10·0	46·1	5·3	
9·5	54·9	0·6	
9·0	59·1	54·5	9·0 a
8·0	31 10·6	37·0	7·5 GSa
9·8	13·7	57·1	
9·6	28·8	24·1	
10·2	33·8	28·4	
8·7	44·8	14·1	–
10·2	52·8	57·4	
10·2	32 6·3	49·2	
9·2	13·8	31·7	8·8 Ga
9·8	36·8	58·5	
9·2	42·5	21·4	
10·4	54·7	0·4	
8·6	33 13·0	35·4	8·5 a
9·8	16·0	5·3	
8·9	18·0	10·0	a
10·0	50·5	54·0	
9·8	34 8·5	42·0	
8·6	32·5	22·0	9·0 a
8·6	35 12·0	42·3	8·0 G–
10·2	23·2	25·5	
10·2	28·7	52·7	
9·4	43·2	34·2	
8·8	43·7	47·6	
9·0	36 18·7	32·6	9·0
9·2	20·2	10·5	
8·7	53·2	44·1	9·0
10·0	37 5·7	32·8	
10·0	6·7	41·1	
10·4	22·0	28·9	
5·2	25·5	35·8	6·2 GStπ
10·5	27·0	15·0	
10·0	46·5	53·3	
9·4	38 25·5	46·5	9·5 G
10·0	28·0	18·5	
10·0	43·0	53·7	
10·2	45·5	24·4	
9·8	39 13·0	41·7	
9·8	13·0	38·9	
8·3	18·0	40·0	8·8 W=
9·4	20·7	10·4	
9·0	· 39·2	39·6	9·0
10·5	40 0·4	46·2	
8·7	5·2	59·7	9·0 –
9·4	5·7	16·2	
10·0	9·2	15·6	
9·2	11·7	25·6	9·0
9·8	12·7	33·3	G
9·0	13·7	33·5	9·0 G
10·4	16·7	5·2	
10·0	25·2	28·7	
8·6	49·7	35·4	9·0 G
8·2	55·2	57·7	9·0 –
9·2	59·7	48·3	
9·2	41 2·2	2·3	9·5 a
10·2	25·2	37·4	
10·2	25·2	48·0	
	+0 57·2	+0·8	

1021—1080.

mag.	5h. m s	—30° ′	
9·2	41 29·4	29·9	
10·5	37·4	45·2	
9·2	49·4	36·8	9·0 a
9·8	52·4	16·9	
10·0	54·9	5·7	
10·4	59·9	47·3	
10·2	42 10·9	50·4	
9·4	21·4	36·0	
9·4	38·4	36·6	
10·2	45·6	27·7	
10·2	50·1	11·1	
9·2	59·6	59·5	
10·5	43 11·1	36·7	
9·0	11·1	48·9	9·2 a
10·5	14·1	29·5	
8·6	18·1	57·9	9·0 a
9·5	56·1	39·5	9·5
10·2	44 8·1	26·0	
10·5	13·1	38·5	
9·8	20·6	15·4	
10·0	30·2	58·3	
10·5	41·1	0·5	
9·6	43·1	30·1	9·0
10·5	44·1	19·3	
9·4	45 1·1	32·5	9·5
10·2	1·4	0·9	
9·6	3·1	39·7	
9·0	7·1	13·1	
7·5	8·8	39·5	6·5 GSat
9·5	9·1	13·7	
10·0	11·8	42·4	
10·5	12·8	15·5	
10·0	23·0	34·1	10·0
8·1	26·3	52·3	8·5 a
9·6	27·8	21·0	
9·8	48·1	3·9	
9·6	57·5	55·7	9·0
10·5	46 10·8	20·2	
10·4	50·3	2·9	
8·6	56·5	29·7	9·0 a
9·2	47 0·8	32·3	
9·2	6·3	15·9	
9·7	12·3	37·7	
10·4	46·3	23·2	
9·0	57·3	48·5	9·0
10·4	48 8·3	38·0	
8·8	16·3	35·9	7·5 Ga
10·0	17·3	33·7	
10·4	37·8	6·8	
9·4	43·3	48·8	9·0 –
8·5	49 0·3	42·1	
8·4	11·8	1·3	=
9·4	39·8	38·3	
7·8	50 13·8	19·7	
9·5	23·3	7·0	
10·4	33·3	45·5	
9·9	51 0·3	8·7	
10·2	25·3	53·5	
10·4	38·3	45·9	
10·4	47·8	35·8	
	+0 57·1	+0·5	

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1081—1140.

mag.	5^h–6^h m s	−30° ′	
10·4	52 8·5	37·8	
8·6	10·3	5·3	9·0 G=
9·2	26·3	21·4	
9·4	36·3	17·1	
10·0	40·0	57·1	
9·6	53 51·8	42·1	
9·4	54 3·3	28·2	
10·4	22·3	17·4	
10·4	24·0	58·2	
10·0	43·8	20·6	
9·1	56·3	40·3	
9·7	55 1·8	17·9	
10·4	6·3	1·1	
9·4	8·3	51·9	
10·2	10·8	37·9	
[illegible]·4	26·3	52·2	8·0 G–
10·4	26·8	11·6	
[illegible]·1	48·3	5·4	8·5 a
[illegible]·4	54·3	28·5	
10·4	58·3	10·4	
8·8	56 3·3	13·6	9·0 Ga
10·0	16·3	55·9	
10·4	18·3	18·0	
10·2	26·1	58·6	
10·0	54·8	24·1	
10·2	57 3·3	10·3	
10·4	5·3	29·7	
9·4	20·3	22·3	
10·4	25·6	58·6	
10·4	27·4	26·7	
10·4	27·8	13·6	
8·6	33·0	1·0	8·5 Ga
9·0	58 7·3	24·0	8·5 G
8·8	51·8	53·2	–
10·4	58·3	19·0	
9·2	59 13·8	33·5	
9·2	26·3	19·5	
10·2	27·8	48·6	
10·4	0 10·3	25·8	
10·4	12·8	33·0	
9·2	14·3	44·0	
10·2	23·3	10·9	
9·[illegible]	27·8	54·8	9·5
8·[illegible]	43·3	30·1	9·5
9·[illegible]	1 43·0	15·2	
10·4	56·5	40·0	
10·[illegible]	2 1·3	0·8	
9·2	3·0	52·6	
9·9	9·2	14·1	
10·4	19·0	49·5	
10·4	24·0	34·6	
10·4	30·5	50·1	
9·0	41·0	36·7	8·5 GWa
9·7	41·5	52·2	
10·4	[illegible]	12·1	
9·6	[illegible]	21·4	
10·2	[illegible]	38·6	
10·4	32·0	32·8	
9·1	[illegible]	29·7	a
9·6	[illegible]	0·0	
25pr	+0 57·1	+0·1	

1141—1200.

mag.	6^h m s	−30° ′	
10·2	4 10·0	44·0	
9·6	13·0	5·4	
9·7	29·5	20·7	
9·4	36·0	32·0	
9·4	5 22·0	41·4	9·0
8·8	23·0	53·2	9·0 a
10·4	27·0	0·0	
9·2	33·0	38·4	9·0 a
10·4	33·2	49·6	
9·2	40·5	37·7	9·0 a
8·3	45·0	46·5	9·0 a
10·4	48·0	11·4	
9·7	6 13·0	24·9	
10·4	20·2	11·5	
9·8	33·0	14·3	
10·4	7 2·2	31·6	
10·4	7·5	34·3	
10·4	16·0	26·7	
10·0	18·0	36·3	
10·0	33·0	32·1	
8·4	36·5	27·0	8·5 a
9·6	39·0	31·8	9·0 a
10·2	44·5	5·7	
10·4	53·0	19·2	
10·4	55·5	14·3	
10·4	57·5	17·3	
10·0	8 6·0	26·8	
9·5	19·0	32·3	9·0 Ga
8·0	25·9	3·2	8·2 Ga
9·7	41·9	57·8	
9·7	43·9	1·5	9·5
10·2	49·1	29·5	
9·2	49·4	6·2	9·5
8·8	9 5·4	58·5	9·0 ≡
9·5	7·4	27·9	
10·4	24·2	57·7	
9·4	24·9	52·9	
10·2	26·9	16·2	
10·4	53·5	29·3	
10·4	55·9	4·4	
10·4	58·4	8·9	
9·0	10 1·1	8·0	9·0 G–
8·0	10·6	48·9	8·0 GSb=
10·2	16·6	28·1	
8·8	31·6	28·6	9·5
9·3	33·1	43·9	
10·2	44·6	47·2	
10·2	11 6·1	2·1	
10·2	17·6	54·5	
10·2	32·6	1·0	
10·0	48·6	22·7	
10·2	52·6	32·3	
9·8	12 8·6	17·5	9·2
10·0	11·1	8·8	
10·0	16·6	10·0	
10·0	27·6	31·2	
8·8	33·4	58·8	9·0
9·8	45·4	36·6	
8·6	13 6·9	57·8	7·5 GSbt
9·3	12·4	26·9	
	+0 57·1	–0·3	

1201—1260.

mag.	6^h m s	−30° ′	
9·2	13 17·4	10·2	
10·0	31·4	38·3	
9·8	46·4	21·0	
10·2	48·4	46·4	
10·2	52·4	4·3	
9·4	14 17·4	31·4	9·0
10·2	25·4	34·4	
10·2	30·4	24·2	
10·2	43·4	15·2	
10·2	53·9	49·9	
10·2	58·4	41·7	
9·2	15 1·9	25·7	
10·2	4·9	24·9	
9·8	9·9	25·7	
8·7	14·4	24·0	≡
10·2	28·4	22·6	
3·5	31·9	0·7	3·2 GSπβ
10·2	36·4	36·9	
10·2	16 0·9	31·1	
10·2	1·4	32·9	
8·8	4·4	34·8	8·0 G≡
10·2	13·4	44·0	
9·4	29·9	10·7	
9·6	32·4	26·4	
9·8	38·9	27·1	
10·2	41·4	27·9	
10·2	49·4	3·8	
9·4	49·4	21·2	
10·0	51·9	26·7	
10·0	52·9	4·4	
10·2	53·4	3·2	
9·4	17 2·4	58·6	
10·2	5·4	10·8	
9·0	5·4	31·2	9·5
10·2	9·4	11·1	
9·8	10·9	14·2	
10·2	16·2	0·4	
8·6	16·4	28·4	7·5 G≡
10·2	30·9	46·6	
10·2	33·9	51·6	
9·4	36·9	45·5	
9·1	41·4	27·1	9·0 =
10·0	41·4	24·0	
10·0	55·4	9·7	
10·0	18 0·9	12·7	
10·2	13·2	51·0	
10·2	22·0	57·6	
10·0	23·2	33·0	
10·2	25·2	10·6	
9·1	28·2	51·1	9·5
8·2	32·2	52·9	7·8 GSa
10·2	32·2	46·5	
10·2	37·7	14·3	
10·0	45·2	45·7	
10·0	47·7	53·7	
10·2	54·2	34·3	
9·4	54·2	42·2	
10·0	19 6·2	20·0	
9·3	6·2	49·0	
9·4	6·2	11·8	
	+0 57·2	–0·6	

1261—1320.

mag.	6^h m s	−30° ′	
10·2	19 21·2	18·6	
10·0	22·8	58·6	
10·0	44·7	29·3	
10·0	50·2	14·7	
9·8	56·7	18·9	
9·8	20 0·2	29·5	
10·0	0·7	0·4	
9·4	9·2	47·0	
10·2	12·2	55·9	
10·2	20·2	6·4	
8·8	35·2	48·7	9·0 =
10·2	21 14·2	21·8	
9·6	22·2	26·2	
9·6	25·2	21·5	
9·6	42·2	5·7	
10·2	54·2	23·0	
10·0	58·2	14·5	
9·2	22 11·2	24·7	9·0 G
10·0	16·0	54·8	
10·2	17·0	15·0	
10·2	21·0	31·0	
8·7	24·0	24·2	9·0
9·0	32·0	48·1	9·0 –
8·8	35·0	43·3	9·0 ≡
10·0	39·0	55·7	
9·8	46·5	34·1	
10·0	55·5	54·8	
10·2	56·0	21·3	
10·2	57·5	21·1	
10·2	23 2·2	58·9	
9·4	2·5	23·7	
9·8	4·0	26·0	
9·0	26·0	30·1	9·5
10·0	36·5	5·3	
10·0	44·0	12·6	
9·8	52·0	56·9	
9·6	53·0	42·0	
9·3	24 2·0	18·4	9·0 –
10·2	21·0	39·1	
10·0	25 2·0	35·6	
10·2	2·0	54·9	
9·2	7·5	5·5	9·5
10·0	11·5	50·9	
10·2	21·0	54·5	
9·4	36·0	28·3	
10·2	43·0	7·9	
9·6	47·0	25·6	
9·6	26 4·0	12·5	
9·6	38·5	0·3	
9·6	27 1·0	8·5	
9·8	8·5	41·8	
10·2	10·0	39·9	
9·4	25·0	27·7	
10·2	34·2	57·4	
10·0	46·5	9·3	
10·2	48·7	3·5	
9·0	28 1·7	25·0	–
10·2	11·7	41·7	
9·8	12·2	29·8	
10·0	12·2	35·5	
	+0 57·2	–0·8	

1321—1380.

mag.	6h. m s	−30° ′	
8·6	28 13·7	46·2	=
9·4	20·7	11·5	
9·4	23·2	25·5	
8·8	27·7	59·1	=
9·3	37·2	42·4	
9·8	47·7	8·2	
9·4	51·7	17·5	9·0
10·0	52·7	23·9	
9·6	55·7	35·3	
9·8	55·7	58·4	
10·0	58·2	25·5	
9·2	29 0·2	29·3	8·5 =
9·3	1·2	22·3	9·0
9·8	5·2	9·9	
10·0	5·7	10·2	
10·2	12·6	9·4	
8·4	15·7	14·5	8·0 ≡
10·2	16·7	51·9	
9·8	46·7	10·1	
10·2	53·6	33·1	
10·2	30 3·2	37·8	
10·0	3·7	49·9	
10·2	4·7	44·4	
8·6	19·7	50·3	≡
10·0	22·2	33·1	
10·2	46·7	32·7	
9·4	48·7	48·1	
9·8	50·6	11·9	
8·6	52·7	46·2	9·0 =
8·8	54·7	20·9	9·5 −
10·2	31 26·7	4·6	
10·2	28·7	50·1	
10·2	40·2	35·5	
10·2	40·6	44·9	
10·0	41·2	41·3	
10·2	32 0·7	34·6	
9·6	6·5	53·9	
9·2	22·5	12·8	
10·2	24·5	37·8	
10·0	38·5	52·0	
9·4	44·5	47·8	
8·6	47·5	23·1	≥
10·2	53·0	43·8	
10·2	54·0	0·5	9·5 G
8·4	33 6·5	31·5	9·0 ≡
10·0	14·0	10·3	
9·0	24·5	23·4	
10·2	31·5	50·2	
9·4	42·5	58·5	
10·2	45·5	25·5	
10·2	46·5	48·2	
10·2	48·0	40·8	
9·8	54·5	39·5	
8·8	58·5	23·3	9·5
10·0	34 6·5	52·3	
10·2	10·5	3·3	
10·0	30·5	12·0	
9·3	34·0	55·6	9·5
9·6	37·5	14·9	
9·8	39·5	35·2	9·5
25pr.	+0 57·3	−1·1	

1381—1440.

mag.	6h. m s	−30° ′	
9·8	34 40·5	34·7	
7·4	55·1	21·1	6·0 GSa
9·1	35 2·3	2·7	G
9·1	17·6	26·2	9·5
9·8	34·1	10·2	
9·0	36 13·1	26·1	8·5 ≡
7·4	21·6	31·6	7·5 GStπ
9·0	23·1	23·7	9·2
9·8	36·1	15·0	
9·8	45·1	28·7	9·5
9·8	51·3	2·2	
8·4	57·1	35·2	9·0 G=
9·8	37 1·1	6·0	
9·8	18·3	34·9	9·5 G
9·8	57·6	7·6	9·0 a
8·2	38 2·1	46·8	8·5 =
9·8	5·6	0·6	
9·8	20·2	9·0	9·0 a
9·0	21·1	47·3	9·8
9·6	24·1	4·1	a
9·6	47·1	10·9	9·5
8·8	53·1	51·4	9·5
8·2	39 33·3	2·7	8·7 Ga
5·1	43·5	56·7	5·9 GStπ
9·0	47·1	53·6	9·2
8·8	52·1	55·8	9·5
6·8	40 15·1	27·3	6·8 GSa
6·3	46·1	49·1	6·1 GStπ
9·8	48·6	32·4	
9·8	56·1	31·4	
9·0	41 7·6	20·8	a
8·0	33·6	36·6	8·5 Gb
9·8	46·1	17·2	
9·0	42 14·1	31·2	a
8·0	24·1	49·2	8·2 Ga
9·8	26·1	7·0	
9·4	29·1	38·7	9·0 a
8·2	43 13·1	17·8	8·2 a
9·8	43·2	59·3	
9·8	54·2	45·2	
9·1	44 13·1	15·0	
9·8	16·1	42·8	
9·0	26·1	19·7	9·5
8·2	31·1	42·1	8·5 =
9·0	46·1	44·2	9·0
9·0	52·1	58·7	
8·8	45 24·1	56·9	
9·8	43·1	26·7	
9·8	54·4	21·5	9·0 −
9·8	58·6	46·0	
9·2	59·1	25·9	8·5 ≡
9·8	46 10·6	41·3	
9·6	16·6	26·0	
9·1	18·6	35·1	9·5
9·6	39·6	35·3	9·0
9·8	43·6	45·3	
9·8	47 13·6	30·2	
7·8	22·1	16·7	8·0 GW=
9·8	48 5·6	54·0	
9·8	8·1	43·2	
	+0 57·4	−1·5	

1441—1500.

mag.	6h. m s	−30° ′	
9·4	48 14·6	49·0	
9·4	45·1	19·1	
9·0	54·6	14·3	
9·0	49 0·6	33·3	9·0
7·6	23·6	27·4	8·0 a
9·4	33·1	18·0	
9·1	36·1	9·7	
9·8	42·6	18·8	9·0
9·8	48·1	25·8	
9·4	52·1	25·8	
8·0	50 3·1	59·2	≡
9·8	7·1	47·4	
9·2	31·1	31·4	
9·8	38·1	18·0	9·5
9·8	46·1	46·9	
9·0	56·6	9·8	
9·8	51 5·1	53·0	
9·0	10·1	36·1	9·5
9·8	11·1	39·0	
9·8	13·1	7·4	
8·6	14·1	37·1	9·0
9·0	16·1	25·2	
9·8	32·1	44·1	
9·6	33·1	25·1	
9·1	53·1	16·4	−
9·6	56·6	19·9	
9·8	58·1	29·2	
8·1	52 13·1	43·7	8·5 W=
9·0	24·6	19·7	9·5 −
9·1	26·1	19·7	
9·4	32·1	20·7	9·0
9·4	33·3	18·8	
9·8	42·3	10·2	
9·8	44·3	58·9	
9·4	46·3	41·9	9·0
9·1	46·8	10·8	
9·0	53 3·3	15·7	9·0 −
7·8	20·8	34·6	GSb=
9·0	22·3	54·0	9·0 G−
9·8	25·3	3·7	
8·5	35·8	5·7	9·0
9·8	41·8	16·8	
9·0	42·3	20·4	
6·8	56·8	49·7	6·8 GSb≡
9·0	54 2·3	26·7	
9·8	8·3	13·8	
9·8	20·8	3·9	
9·4	22·3	6·4	
9·1	55 13·3	19·3	
8·6	14·3	26·0	
7·1	23·3	58·2	7·0 GSb≥
8·8	27·3	53·8	7·8 GW−
8·4	27·3	30·2	7·5 G
9·8	34·8	25·2	
9·8	42·8	3·2	
8·4	56 0·8	56·0	8·8
9·8	2·3	20·7	
8·2	6·3	22·5	8·5 a
7·5	22·4	29·3	7·5 GSa
9·8	24·3	51·9	
	+0 57·6	−1·9	

1501—1560.

mag.	6h.–7h. m s	−30° ′	
8·4	56 26·3	27·0	8·5 W
8·1	27·3	26·2	8·5 Wa
9·6	43·3	29·6	
8·8	56·3	13·0	
9·0	57 4·0	56·4	
9·1	5·9	27·1	9·0
9·1	6·3	35·5	
9·8	23·3	46·0	
9·0	36·8	11·0	9·0
9·8	37·4	28·6	
9·8	58 6·4	38·9	
9·6	33·2	24·2	
9·6	44·2	18·9	
8·5	56·2	24·6	8·5 a
8·5	57·7	32·6	8·5
9·5	59 0·2	48·5	9·0 G
9·2	12·7	31·9	
9·2	25·2	58·9	9·5
7·9	32·7	35·3	8·5 Wa
9·4	36·7	30·7	
9·6	51·2	49·8	
9·6	0 13·2	9·0	
8·6	32·2	19·8	8·5 −
9·2	49·2	31·1	
9·6	1 3·2	10·3	
7·2	12·2	27·9	6·5 GS≥
9·5	14·7	6·4	
9·6	26·2	54·0	
8·6	37·2	5·1	9·0
9·5	56·2	44·6	
9·2	2 0·0	59·2	
9·6	6·5	51·0	9·0
9·6	7·5	5·8	
8·8	22·7	36·0	8·0 G−
9·6	22·7	58·0	
9·6	40·7	30·3	
9·6	53·5	18·8	9·5 G
8·5	56·7	18·3	8·5 G−
9·5	3 2·7	40·9	
9·6	15·7	4·7	
9·5	34·2	19·5	
9·0	4 15·2	41·1	9·5
9·2	17·9	53·9	
8·1	19·9	45·2	8·5 =
9·6	40·1	44·8	
9·5	56·4	37·4	
9·6	57·1	1·1	
9·6	58·9	9·0	
8·9	5 16·4	29·8	
7·9	33·4	54·1	8·5 −
7·8	40·9	27·6	8·0 Wa
9·2	42·4	0·2	
9·6	45·4	39·0	
8·5	54·9	58·7	9·0
9·2	6 6·4	7·0	
9·6	18·4	15·5	
9·5	24·4	32·4	9·5
9·6	36·9	21·4	9·0
9·2	43·4	38·2	
9·2	44·4	35·2	
	+0 57·8	2·2	

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1561—1620.

mag.	7h. m s	—30° ′	
9·6	6 52·9	3·5	9·5
9·2	59·4	32·1	
9·4	7 12·9	14·1	
7·0	15·9	36·8	6·5 GSct
9·4	16·9	40·1	
8·7	17·9	4·4	8·5 Ga
9·6	20·9	49·6	
9·6	45·4	13·6	
9·6	46·4	16·6	
8·6	46·9	52·4	9·0
9·4	50·4	55·4	9·0
9·6	8 1·7	1·7	
7·6	24·4	45·2	8·0 G=
9·6	30·9	7·6	G
9·6	37·4	31·8	
9·6	39·9	47·2	
8·8	42·4	48·8	9·0
8·1	43·4	46·2	8·5 G=
7·2	58·7	52·2	7·0 GStπ
9·6	9 6·2	6·9	–
7·0	6·2	7·7	7·0 GSbc
9·2	22·7	52·1	9·5
9·6	29·7	38·7	
8·0	47·2	26·4	7·0 GSct
9·6	51·7	6·3	
9·6	10 11·7	12·1	
9·6	19·7	25·2	
6·1	31·7	28·1	6·0 GSbc
8·7	32·7	16·7	
9·6	53·7	3·0	
9·4	11 1·2	58·8	
9·2	3·2	47·0	
9·5	4·7	39·0	
7·7	16·2	12·9	7·5 GSa
8·6	47·7	29·4	
9·4	53·0	0·8	9·0
8·3	55·7	5·0	8·0 G–
9·6	12 7·2	32·5	
8·2	7·2	41·0	GWa
7·6	7·2	40·4	GSa
8·9	13·4	2·8	
8·6	16·2	11·4	8·5
9·6	27·7	49·7	
9·6	36·2	26·2	
9·6	36·7	19·2	9·0
9·2	46·7	39·3	
8·1	13 12·7	13·7	8·0 G–
8·1	13·2	42·7	7·5 Ga
9·6	22·7	49·9	
8·8	30·7	35·3	9·5
9·4	37·7	11·0	
7·7	43·2	34·2	7·0 GSct
9·6	14 19·4	17·1	
9·0	25·4	0·9	
9·2	33·2	18·4	9·0
8·9	39·7	51·6	
9·6	46·7	23·0	
9·4	52·7	10·1	
9·2	15 3·2	21·1	–
8·2	3·7	23·6	8·0 G–
25pr.	+0 58·0	–2·5	

1621—1680.

mag.	7h. m s	—30° ′	
9·6	15 7·3	58·8	
9·6	23·2	40·6	
9·6	26·2	13·0	
8·3	28·2	58·5	8·5
8·9	31·4	2·7	9·0
9·0	38·2	48·6	
9·2	40·2	46·4	
9·2	50·2	3·2	
9·6	55·2	39·0	
9·6	16 5·7	6·7	
9·6	6·2	39·1	9·0
9·6	6·2	32·8	
9·6	14·2	30·3	
8·2	14·2	37·8	8·5 G–
9·6	15·7	30·9	
9·4	20·0	2·8	
9·4	21·2	29·4	
9·0	34·2	11·1	
8·1	34·7	15·1	=
8·2	44·2	50·1	9·0 =
9·6	17 26·9	57·5	
9·5	34·7	10·5	9·5
9·2	38·7	11·0	8·5
9·0	48·7	26·0	
9·6	56·7	43·0	
9·6	18 2·7	32·1	
9·6	28·3	58·5	
9·6	33·8	42·8	
9·6	35·8	8·3	9·0
7·5	47·8	12·4	GSact
8·9	51·3	51·1	10·0
9·6	19 2·8	23·8	
9·6	16·8	8·5	
9·5	25·3	6·8	
9·6	31·8	21·8	
8·7	36·3	40·9	9·0 –
9·2	54·3	50·9	8·5 –
9·6	56·3	59·1	
9·2	20 2·3	10·0	
8·7	3·3	53·2	9·0
8·9	4·3	35·7	8·5 –
8·3	25·8	13·6	8·5 G–
9·6	41·8	43·4	
9·4	48·8	15·1	
9·6	21 4·3	37·0	
9·6	12·3	18·3	
9·6	14·3	40·4	
8·2	16·1	1·7	8·5 –
9·4	16·3	57·4	
9·6	25·3	19·1	
8·8	26·0	32·3	
9·1	44·0	6·3	
9·1	47·8	9·8	
9·6	49·3	7·7	
10·0	54·7	25·9	
10·0	22 2·7	10·8	
10·0	4·7	9·8	
9·3	4·7	32·8	
9·6	4·7	37·6	
8·5	6·7	31·2	9·0
	+0 58·3	–2·8	

1681—1740.

mag.	7h. m s	—30° ′	
9·4	22 13·7	37·6	
9·3	17·7	4·7	
10·0	21·7	25·4	
9·0	26·7	32·6	9·5
10·0	41·7	7·7	
10·0	43·7	33·4	
9·6	46·7	3·4	
9·3	57·3	27·6	
9·2	59·5	15·3	
10·0	23 2·9	23·2	
10·0	3·7	42·1	
9·0	6·3	16·3	
9·5	11·2	55·9	
10·0	18·2	26·9	
9·4	26·2	34·1	
9·5	26·7	35·3	
9·8	28·3	59·9	
10·0	32·7	51·5	
9·0	37·2	26·3	
8·9	39·5	46·1	9·0
9·5	42·0	0·0	
10·0	58·5	9·9	
10·0	24 0·0	40·3	
9·8	7·5	42·2	
9·6	9·0	25·7	
9·8	13·0	39·4	
8·7	22·5	23·2	8·0 GWa
10·0	29·5	27·7	
10·0	29·5	7·5	
8·9	31·5	37·4	
9·3	33·5	20·0	
9·2	41·5	0·2	8·9 –
10·0	43·5	21·8	
9·8	46·5	21·8	
10·0	25 3·5	52·3	
9·5	3·5	46·4	
10·0	10·5	20·2	
10·0	12·0	26·1	
8·8	12·5	25·7	8·5
9·4	13·5	58·8	
9·0	23·5	39·9	
10·0	23·5	56·1	
9·2	27·5	42·1	
9·2	32·5	6·4	
9·8	34·0	40·6	
6·7	51·5	42·0	5·0 GStπ
9·7	52·5	19·6	
10·0	53·0	11·1	G
10·0	53·5	56·7	
10·0	53·5	16·4	
8·6	26 4·5	16·7	8·8 G
10·0	14·5	44·2	
9·8	21·1	59·3	
8·4	22·5	15·3	8·5 G–
8·9	26·0	8·4	8·3 Ga
9·3	29·5	40·2	9·5
10·0	43·4	21·9	
8·8	43·5	47·0	
10·0	47·4	41·1	
9·5	52·9	14·2	
	+0 58·5	–3·0	

1741—1800.

mag.	7h. m s	—30° ′	
10·0	26 57·2	20·6	
9·3	27 2·9	4·8	
9·4	3·4	17·2	
9·0	12·4	4·0	
10·0	18·4	39·4	
10·0	28·4	20·9	
10·0	31·9	54·5	
8·8	32·4	55·5	
9·4	34·4	19·5	
9·5	39·4	7·8	
9·8	41·4	56·9	
9·4	45·6	0·0	
10·0	47·4	37·8	
10·0	50·4	41·3	
10·0	56·8	58·1	
10·0	28 3·4	49·5	
8·9	5·8	0·0	
8·9	15·9	18·5	
10·0	16·9	2·7	
9·7	20·4	20·4	
10·0	23·4	36·6	
9·6	26·4	5·3	
10·0	26·4	57·0	
10·0	27·4	6·0	
9·4	33·4	34·7	
9·4	35·9	40·0	
9·4	36·4	26·1	
10·0	37·4	51·6	
10·0	42·4	51·3	
10·0	47·4	11·0	
9·8	49·9	43·5	
9·8	50·1	1·5	
8·4	51·9	7·2	8·3 a
9·6	53·9	49·9	
9·5	57·4	26·4	
10·0	58·9	40·1	
9·2	58·9	22·9	
9·2	29 13·4	3·1	
9·4	29·9	32·8	
9·4	35·9	5·5	9·5
9·8	38·9	25·3	
10·0	40·9	1·2	
10·0	40·9	50·7	
9·8	43·9	19·0	
9·4	44·9	24·5	
9·4	52·4	30·7	
9·4	52·9	6·8	
9·0	55·1	56·5	
10·0	56·4	55·3	
10·0	30 3·4	59·1	
9·4	7·4	33·9	
9·7	9·4	33·5	
10·0	13·3	12·3	
9·8	16·4	13·6	
10·0	17·3	33·9	
10·0	19·4	35·2	
10·0	19·9	14·4	
9·7	24·4	37·4	
9·4	27·4	19·3	
10·0	31·4	36·8	
	+0 58·6	–3·2	

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1801—1860.

mag.	7ʰ. m	s	—30° ′	
10·0	30	32·9	13·2	
10·0		37·4	28·1	
9·2		37·4	34·1	
10·0		39·4	24·3	
10·0		42·4	39·3	
10·0		44·4	46·0	
9·4		44·4	31·0	
9·8		46·4	45·6	
9·8		48·4	18·6	
9·8		56·4	27·6	
10·0	31	6·4	51·7	
9·5		9·9	24·7	9·5 –
10·0		12·9	16·0	
9·4		16·9	45·0	
10·0		17·9	32·2	
9·3		18·4	15·2	9·5
10·0		18·9	30·2	
9·4		22·9	53·1	
9·0		23·4	22·5	9·2 –
10·0		27·7	0·5	
9·4		37·4	47·7	
10·0		37·4	43·5	
10·0		46·4	13·1	
10·0		52·4	45·4	
9·0		52·4	36·7	
9·7		52·9	14·0	
10·0		53·4	41·9	
10·0		53·4	41·5	
10·0		53·4	40·2	
8·9		54·9	44·2	
10·0	32	7·5	9·5	
9·6		7·9	18·4	
9·5		7·9	16·4	
9·3		10·2	0·0	9·0
9·6		11·4	59·1	
9·8		12·9	48·3	
9·0		13·4	55·6	
10·0		16·9	27·0	
10·0		19·9	53·6	
10·0		21·4	35·4	
7·6		26·9	30·8	8·0 a
8·9		32·4	31·2	9·5
8·9		33·4	36·5	
10·0		33·4	9·2	
8·9		36·4	6·9	
10·0		37·5	29·1	
10·0		37·9	9·9	
9·4		42·4	11·1	
8·4		43·4	21·0	9·0 –
10·0		46·9	43·1	
10·0		48·4	59·2	
10·0		51·5	55·8	
9·4		51·9	59·7	
8·9		53·4	55·7	9·5
9·3		53·5	9·2	
10·0		57·5	38·9	
9·4		57·5	42·2	
10·0	33	2·0	21·9	
8·9		2·5	19·0	
8·8		16·5	21·5	
25pr.	+0	58·7	−3·3	

1861—1920.

mag.	7ʰ. m	s	—30° ′	
10·0	33	18·5	13·5	
8·8		21·5	32·8	9·5
9·4		26·5	3·5	
8·9		26·5	29·0	9·0
9·7		27·5	52·9	
8·6		27·5	50·8	
10·0		32·6	34·8	
9·2		33·0	19·2	
9·7		33·5	43·7	
9·8		42·0	41·0	
10·0		43·5	16·8	
10·0		43·5	53·3	
9·7		44·5	26·7	
9·4		46·0	25·1	
9·8		50·5	29·8	
8·4		53·5	10·8	8·0 G=
8·4		53·5	52·2	a
9·5		53·5	7·0	
10·0		53·6	48·2	
9·8		54·6	24·4	
9·2		55·5	34·9	9·0
10·0		58·5	28·4	
9·6	34	7·5	18·1	
9·8		8·5	5·0	
9·8		9·5	38·1	
9·4		13·0	54·6	
8·7		18·0	42·2	–
10·0		22·6	50·9	
10·0		25·0	55·2	
9·5		27·6	54·5	
9·0		29·5	44·9	–
10·0		32·5	2·0	
10·0		34·0	59·9	
9·3		34·0	30·0	
9·3		36·5	42·2	
10·0		41·6	33·0	
8·5		46·5	22·3	9·0
9·6		51·3	25·5	
9·0		57·3	7·1	
10·0		57·3	8·6	
9·4	35	8·3	38·8	
8·8		9·8	8·9	
9·0		16·3	14·0	9·2
10·0		16·3	43·3	
10·0		20·3	36·7	
9·3		27·3	45·7	
9·4		30·3	11·5	
8·6		33·3	13·5	9·2
10·0		40·2	10·1	
10·0		43·3	11·7	
10·0		58·0	0·8	
10·0	36	0·0	0·4	
10·0		2·3	45·6	
10·0		6·3	38·2	
9·4		10·3	46·0	
9·8		16·3	27·7	
9·7		26·8	22·1	
9·8		33·3	33·4	
10·0		33·3	48·9	
10·0		39·3	51·4	
	+0	58·8	−3·3	

1921—1980.

mag.	7ʰ. m	s	—30° ′	
10·0	36	42·3	17·3	
9·8		43·3	20·8	
9·8		46·3	38·7	
9·8		48·3	56·0	
8·7		54·3	5·7	8·5
9·4		54·3	31·6	
9·4		55·3	42·0	
9·8		57·3	35·5	
8·4	37	1·3	4·5	9·0
9·8		6·3	49·4	
9·2		15·3	48·1	9·0
8·4		16·3	37·7	–
10·0		16·8	20·7	
9·4		17·3	37·4	
9·4		25·3	27·1	
9·2		29·3	4·9	
10·0		33·3	8·8	
9·8		37·3	14·2	
9·5		37·8	11·3	
9·2		49·3	56·1	
9·4		53·3	22·7	
10·0		56·3	44·9	
9·8	38	5·3	25·1	
8·5		6·3	45·6	
9·4		7·8	24·6	9·5
9·2		16·3	33·8	
10·0		18·8	36·9	
8·9		20·8	24·4	
10·0		22·3	21·1	
9·2		35·0	58·0	
10·0		35·3	18·7	
10·0		35·8	15·7	
8·9		46·8	9·9	
9·0		46·8	14·0	
10·0		57·3	39·0	
9·2	39	3·3	33·3	
10·0		3·3	46·2	
9·8		6·3	58·0	
9·0		6·3	47·5	
8·9		6·8	12·6	
10·0		6·8	50·0	
10·0		7·1	16·7	
10·0		10·3	13·7	
8·5		12·8	55·1	7·8 a
9·5		17·3	52·9	
9·4		18·7	1·2	9·0 –
9·2		26·3	58·1	9·5
9·2		26·3	35·2	
9·7		27·3	3·7	
9·0		33·5	5·5	
8·9		35·5	36·0	
9·3		36·5	46·9	
10·0		41·5	39·1	
9·4		43·1	44·6	
10·0		48·0	27·3	
9·8		54·5	52·0	
8·9		56·5	13·5	
9·5		59·0	34·1	
8·5	40	2·5	48·6	=
9·4		2·5	57·9	
	+0	59·0	−3·5	

1981—2040.

mag.	7ʰ. m	s	—30° ′	
10·0	40	3·5	28·6	
10·0		5·5	51·7	
10·0		6·5	7·4	
10·0		6·6	25·4	
10·0		8·0	15·6	
8·5		16·5	25·2	G
8·9		17·0	57·3	9·0
10·0		21·0	12·1	
9·4		21·5	31·9	
8·6		22·5	14·6	
10·0		28·0	33·3	
9·5		30·5	25·5	
10·0		37·5	9·6	
10·0		40·5	27·8	
9·5		43·5	51·3	
8·9		54·5	42·7	
9·3	41	3·5	42·2	
10·0		10·5	4·1	
9·4		11·7	56·5	
9·4		13·5	33·8	
9·3		13·5	42·7	9·5
8·8		14·5	34·4	9·0
9·4		14·5	17·6	
9·4		33·5	39·8	
9·4		35·5	55·6	
10·0		35·5	43·0	
9·5		36·5	24·6	
10·0		37·1	57·3	
10·0		51·7	43·0	
10·0		54·2	42·7	
8·6		55·6	59·1	9·5 =
10·0	42	1·2	45·8	
9·5		2·7	51·4	
10·0		3·7	10·1	
9·8		6·2	12·0	
10·0		17·2	40·7	
10·0		18·2	10·3	
9·4		22·2	9·8	
8·9		36·7	46·0	–
9·4		37·2	17·1	
8·1		38·7	14·3	8·0 Wa
9·8		38·7	24·6	
9·3		45·7	33·7	
9·6	43	0·7	11·1	
10·0		3·7	10·2	
9·7		4·7	8·6	
10·0		7·7	36·8	
9·8		7·7	5·1	
9·6		8·2	53·1	
9·6		8·7	49·5	
9·4		22·7	10·6	9·5
9·2		26·7	44·8	
10·0		26·7	48·0	
9·2		28·2	18·3	9·0
9·7		28·7	48·5	
9·5		36·7	8·8	
10·0		37·2	20·9	
7·4		41·7	26·7	7·5 GWa
8·9	44	2·7	15·8	8·5
10·0		4·7	3·8	
	+0	59·1	−3·6	

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2041—2100.

mag.	7h. m s	—30° ′	
9·0	44 12·2	49·0	9·0
10·0	12·7	17·9	
9·8	14·8	4·9	
9·8	17·8	3·8	
9·4	18·8	31·8	
9·8	23·3	45·4	
9·8	26·3	12·9	
8·2	27·8	14·6	7·5 GWa
10·0	33·8	22·8	
9·2	34·0	58·0	
9·8	41·8	24·2	
9·5	42·3	30·6	
10·0	43·3	9·2	
9·8	56·3	40·6	
9·8	45 0·8	9·8	
10·0	2·8	16·4	
8·9	8·3	43·0	
9·2	8·8	18·3	
9·3	11·7	59·4	9·0 =
10·0	26·8	9·1	
9·3	32·8	57·0	
10·0	43·3	0·0	
10·0	43·3	16·2	
10·0	44·3	28·8	:
10·0	45·8	44·9	
9·6	49·3	3·2	
9·4	52·8	36·9	
8·7	56·8	2·1	8·8
9·3	46 3·4	15·1	
10·0	3·7	2·0	
9·4	4·8	36·1	
9·4	11·8	34·0	
8·8	23·4	37·7	
9·6	23·8	42·0	
9·8	23·8	45·7	
9·8	24·8	42·7	
9·6	29·0	12·3	9·0
8·4	46·2	0·2	7·8 G=
9·8	50·5	24·1	
9·2	50·5	39·1	
9·4	54·0	19·1	
9·8	58·0	45·5	
9·6	47 0·5	6·4	
9·4	9·5	13·0	
9·7	16·0	40·4	
9·0	22·0	30·6	9·5 –
9·8	27·0	38·6	
8·1	42·0	9·2	*8·1 a*
9·2	58·0	46·8	=
9·0	48 17·5	32·2	8·9
9·8	22·0	29·4	
9·6	26·0	13·1	
9·8	35·0	8·3	
9·8	52·0	10·1	
9·8	52·0	25·2	
9·8	52·0	35·2	9·5
8·5	52·0	42·3	9·2 =
9·2	49 13·0	10·2	
9·4	14·0	33·8	
9·4	16·0	45·8	
25pr.	+ 0 59·2	— 3·7	

2101—2160.

mag.	7h. m s	—30° ′	
8·8	49 27·0	14·4	
9·4	54·5	39·4	
9·8	50 1·5	7·8	
8·8	6·0	46·2	8·5 –
9·8	7·0	11·8	
9·8	17·0	25·1	
8·2	17·0	35·3	6·8 GW=
9·8	17·5	36·8	
9·8	21·5	12·9	
9·0	22·5	38·6	9·2
9·8	23·0	26·3	
7·8	29·3	1·3	7·8 GWa
9·7	46·0	8·5	
9·4	49·0	8·2	9·5
9·7	53·5	44·9	9·0
9·8	56·5	10·7	
9·2	59·0	15·3	
9·4	51 3·0	28·8	
8·2	10·0	34·7	*8·2* W–
9·6	14·0	26·9	
9·8	22·8	57·2	
9·2	24·5	7·6	
8·2	27·0	32·2	8·5 W–
8·8	33·0	8·1	9·0
9·7	33·5	31·2	9·5
9·7	35·0	13·8	
8·6	43·0	11·5	9·0 G
8·8	52·0	55·1	9·5
8·4	53·0	2·7	9·0 GW
9·6	56·0	54·2	9·5
9·7	52 7·0	6·3	
9·7	14·0	28·8	
9·4	26·0	22·5	
9·8	33·0	18·5	
6·0	42·0	0·1	5·5 GStπ
9·8	58·0	53·5	
9·8	53 2·0	42·8	
9·0	3·0	38·8	
9·8	9·5	17·3	
8·4	11·5	54·9	8·5 =
9·8	13·5	52·2	
9·2	22·0	43·4	9·5
8·8	25·0	27·0	10·0
9·8	45·9	38·6	
9·4	46·4	31·1	
9·7	56·8	47·8	
9·2	54 1·9	53·4	
8·6	2·1	0·2	8·8 GW
9·7	8·7	0·8	
8·2	15·9	44·2	8·5 –
8·6	16·9	28·9	8·0 =
9·6	20·4	42·9	
9·8	23·4	23·8	:
9·4	25·9	7·7	
9·4	26·9	40·2	
9·4	32·9	43·9	9·0
9·8	36·9	53·9	
9·6	39·4	54·0	
9·2	39·4	37·5	
9·8	45·9	21·0	
	+ 0 59·5	— 3·9	

2161—2220.

mag.	7h. m s	—30° ′	
8·4	54 49·9	4·3	7·8 Wa
9·2	55·9	26·2	9·2
9·8	55·9	54·1	
8·2	57·1	2·2	7·5 GWa
9·0	55 0·9	4·0	
9·2	7·4	46·8	
9·0	15·9	19·9	9·5
8·3	17·9	51·3	8·0 Ga
8·8	17·9	25·9	9·5
8·4	21·4	37·7	
9·7	21·9	35·7	
9·8	22·4	31·3	
9·8	23·4	43·8	
9·0	30·4	12·7	
9·4	39·7	56·6	
9·8	42·9	36·3	
9·8	43·6	0·9	
8·8	44·9	43·9	8·0 =
9·4	45·4	13·1	
9·8	46·9	35·3	
9·8	48·9	49·1	G
9·4	49·4	19·1	
9·8	53·9	51·7	
9·4	56·9	55·0	8·5 a
9·4	56 0·9	19·0	
9·8	2·8	10·5	
9·2	8·9	39·4	
8·6	10·9	42·7	9·0
9·8	21·9	11·7	
9·8	21·9	41·7	
9·6	35·8	40·3	
8·6	35·9	14·8	8·0 G=
9·6	36·4	11·4	9·0
8·4	36·9	16·4	8·0 G–
9·8	45·9	48·2	
9·4	49·9	18·3	
8·0	57 5·4	47·3	8·0 Ga
9·8	9·4	42·1	G
9·7	9·9	22·1	
9·7	9·9	25·7	
9·6	11·9	32·6	
8·6	25·9	4·1	8·5
9·2	26·9	35·9	
9·8	38·4	56·3	
9·6	42·4	28·8	
9·8	42·9	7·4	
9·4	51·7	56·4	
8·0	51·9	52·0	7·8 Ga
9·0	55·4	19·5	
9·8	58 2·9	54·2	
9·8	8·9	6·4	
9·4	15·9	41·2	G
9·8	18·9	59·5	
9·8	22·9	12·5	
8·4	25·9	22·9	8·0 a
9·8	38·9	8·2	
9·8	42·9	53·2	
9·0	52·9	37·1	
8·6	55·9	9·4	9·0
9·8	55·9	55·3	
	+ 0 59·7	— 4·1	

2221—2280.

mag.	7h.–8h. m s	—30° ′	
9·7	58 59·9	37·5	
9·8	59 15·8	18·9	
9·8	16·8	18·6	
9·6	20·9	4·3	
8·8	29·7	58·2	9·0 =
9·4	30·4	37·1	
9·8	39·8	46·1	
9·4	43·9	56·8	
9·7	47·4	32·1	
9·8	47·4	4·7	
9·4	52·9	46·2	
9·4	0 7·9	6·5	
9·6	9·7	57·9	:9·0
9·8	12·4	55·1	
9·8	13·9	39·4	
9·4	15·9	49·7	
9·4	16·4	5·0	
9·8	21·9	16·7	
9·8	22·9	20·0	
9·8	23·9	8·2	
9·7	25·9	5·9	?
9·8	26·9	23·9	
9·8	31·9	10·6	
8·2	32·9	26·7	8·5 G≡
8·5	36·6	0·3	8·5 =
9·0	38·9	59·7	9·5
9·7	45·9	18·3	•
9·8	49·9	41·4	
9·8	1 2·9	45·3	
9·2	21·9	37·6	9·0
9·8	27·9	18·4	
9·0	32·9	27·1	8·8
9·4	45·4	30·1	9·2
9·2	45·9	27·7	
9·4	48·6	1·3	9·0
8·2	50·4	48·5	=
9·4	51·9	25·9	
9·4	52·4	31·1	
9·8	52·9	25·9	
9·8	59·9	22·1	
9·8	2 2·9	34·3	
9·8	5·9	28·2	
9·6	6·9	8·1	
9·6	9·4	47·0	
9·8	11·9	9·2	
9·8	18·4	34·7	
9·6	31·9	42·0	
9·6	32·9	38·7	
9·8	34·9	4·1	
9·8	42·9	21·3	
9·8	56·9	53·9	
9·8	3 0·9	6·4	
9·8	5·4	35·1	
8·4	6·9	26·3	8·5 a
8·4	9·9	25·7	8·2 a
9·8	10·9	1·7	
9·2	18·4	13·4	
9·2	19·9	23·3	
9·8	21·9	11·5	
8·4	25·9	42·9	8·5
	+ 0 59·8	— 4·2	

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2281—2340.

mag.	8h. m	s	—30° ′	
8·6	3	36·9	35·8	9·2
9·4		38·9	13·1	
8·8		42·7	13·8	
9·8		52·5	26·3	
9·8		53·2	37·1	
9·8		55·7	48·9	
9·8	4	2·5	36·7	
9·2		2·7	3·4	
9·4		3·2	58·2	
9·6		7·7	22·5	
9·2		15·7	47·5	
8·3		31·7	43·1	8·5 a
9·4		35·5	52·8	
8·8		41·7	52·7	9·5
9·0		42·7	9·8	
9·8		48·2	3·6	
9·2		54·7	6·7	
8·8	5	2·7	48·4	9·5 —
9·2		9·2	32·1	
9·2		12·7	8·9	
9·8		21·2	9·6	
9·8		21·5	1·7	
9·8		21·7	55·9	
8·8		32·7	14·4	
8·4		33·2	32·3	9·0 a
9·8	6	7·2	47·7	
9·8		9·7	47·0	
9·4		28·7	16·1	
9·8		32·7	6·7	
9·4		41·7	59·1	
9·8		42·7	38·7	
9·6		52·7	42·1	
9·7	7	7·2	28·1	G
9·7		14·2	10·1	
9·7		21·5	41·8	9·5 —
8·8		26·7	19·7	
9·4		28·2	41·7	9·5
9·8		30·7	11·0	
9·7		36·7	22·3	
9·7		40·2	30·9	
8·6		42·2	42·2	9·0
9·8		49·5	26·8	
9·6	8	7·0	51·1	
9·2		10·5	45·8	
9·4		15·5	34·1	
9·8		30·0	30·0	
9·8		31·5	50·1	
9·8		34·5	6·7	
9·6		52·0	36·6	
9·8	9	1·5	46·3	
10·0		33·3	26·7	
10·1		33·8	52·1	
10·1		35·8	15·5	
9·6		41·3	28·4	
10·0		43·3	39·6	9·5
8·5		47·3	32·2	9·0 —
9·0		49·8	36·8	
9·4		56·9	6·9	
8·0		57·9	2·4	8·5 —
8·0	10	0·2	28·6	8·5 Wa
25pr.	+ 1	0·1	—4·4	

2341—2400.

mag.	8h. m	s	—30° ′	
9·8	10	10·3	50·6	
9·6		12·4	29·0	
9·4		12·9	19·1	
8·9		15·8	55·1	
9·6		16·3	46·0	
10·0		16·8	43·0	
9·6		21·1	38·5	
9·4		23·8	12·8	
9·2		25·8	17·3	
10·1		32·8	36·6	
10·1		35·8	26·2	
8·5		43·8	11·8	W—
10·1		44·3	22·9	
8·2		44·8	25·6	9·0 Ga
10·1		46·8	26·2	9·5
8·4		46·8	13·1	W—
7·5		52·8	32·6	7·0 GSa
8·4		54·8	26·7	8·5 a
8·9		55·8	46·2	8·5 G
9·4	11	0·3	27·7	
9·6		2·8	20·8	
9·6		6·3	13·5	
9·6		6·3	21·3	
10·1		12·8	37·1	
9·4		12·8	19·2	
10·1		30·3	38·0	
9·4		33·3	4·9	
10·1		33·8	39·8	
10·0		47·3	28·0	
9·8		56·3	26·3	
10·0		59·8	15·9	
10·1	12	1·3	12·4	
9·6		5·3	37·2	
9·2		6·3	23·9	8·5 a
10·1		11·8	25·3	
9·6		15·8	11·9	9·5
8·8		15·8	19·6	9·0
9·2		17·3	40·9	
9·4		24·3	47·4	
9·6		32·8	41·5	
9·8		37·3	31·1	
10·0		47·3	32·9	
10·0		49·8	22·2	
9·8		50·3	11·9	
8·4		51·5	4·3	8·7 G—
9·4		56·3	30·9	
10·0	13	0·8	33·3	
9·2		10·3	3·6	
9·4		11·8	20·9	
9·8		16·8	15·9	
9·8		17·0	0·7	
10·0		22·8	40·3	
9·6		22·8	16·5	
9·7		24·8	15·5	
9·0		25·8	42·7	
10·1		32·3	14·9	
10·1		32·3	15·3	
9·0		32·8	30·2	9·5
9·4		43·8	57·0	
9·4		43·8	24·1	
	+ 1	0·3	—4·6	

2401—2460.

mag.	8h. m	s	—30° ′	
9·4	13	44·8	56·0	
10·0		44·8	12·1	
10·0		50·8	6·9	
10·1		51·8	43·3	
9·8		53·0	0·3	
10·1		54·8	10·9	
10·1		57·8	21·6	
10·0		57·8	17·6	
10·0	14	2·8	14·4	
10·0		16·3	11·3	
10·0		17·3	8·9	
9·2		28·3	27·0	9·5
9·6		28·8	41·7	
10·1		36·8	12·1	
9·8		45·1	59·0	
9·8		55·8	45·0	
9·4		58·8	50·1	
9·4	15	1·8	23·0	9·5
9·2		2·8	47·3	
8·4		3·8	42·2	7·5 GSb=
10·1		6·8	32·5	
9·6		6·8	52·8	
9·2		8·3	34·3	9·0 —
9·6		9·8	48·0	
9·4		12·8	14·9	9·0
10·1		15·8	19·3	
9·6		16·8	9·8	
9·7		32·8	15·5	
9·4		38·3	54·2	
10·1		47·8	12·0	
9·6	16	2·8	16·4	
9·0		2·8	11·3	9·0 G
10·1		6·8	48·6	
10·1		16·8	27·9	
8·8		19·8	2·8	9·5
10·1		27·3	42·8	
9·6		28·8	31·2	
9·0		40·3	59·6	9·5
9·7		52·8	3·6	
9·7		55·8	43·2	
9·8		57·8	31·7	
8·7	17	0·8	35·8	9·0 —
9·2		2·8	36·0	10·0
10·0		17·3	30·0	
9·8		26·8	51·9	
9·8		32·6	56·7	
8·6		32·8	59·6	
9·2		33·0	2·0	
9·4		33·3	11·3	
9·2		33·8	17·9	
10·0		36·8	14·8	
9·6		45·8	51·0	
10·1		45·8	11·7	
9·6		53·3	33·3	
10·1	18	16·0	1·3	
9·4		25·8	25·0	
8·3		26·8	23·9	7·5 GWa
9·8		27·8	44·0	
9·2		36·0	1·9	9·5
10·1		41·8	48·2	
	+ 1	0·5	—4·7	

2461—2520.

mag.	8h. m	s	—30° ′	
9·7	18	44·3	22·4	
9·0		50·8	18·9	
10·0		52·8	35·0	
10·0		53·8	33·0	
10·0		57·3	17·2	
9·8		57·8	42·0	
9·7	19	24·3	7·4	
9·4		25·8	15·0	9·5 G
9·6		27·3	15·2	9·5 G
10·1		29·3	32·0	
10·1		35·8	29·0	
9·8		37·3	28·6	
9·6		46·8	21·9	
8·6		53·8	42·0	8·5 —
9·4	20	0·8	52·2	9·0 —
9·6		11·8	39·2	
9·4		23·8	16·0	
8·3		24·8	55·6	=
10·0		31·3	49·9	
8·8		39·6	34·7	
9·0		46·6	19·2	
10·0	21	8·6	31·6	
9·6		13·1	33·9	
10·1		15·1	7·1	
9·4		25·6	15·6	
9·8		26·1	53·7	
9·7		29·3	56·4	
8·8		33·1	38·8	—
9·6		34·6	23·0	
10·1		36·1	21·8	
9·6		42·1	50·6	
9·8		42·1	56·2	
10·1		43·1	56·2	
10·1		46·1	18·4	
9·6		55·1	22·6	
9·4		57·1	41·3	
10·1		57·6	16·6	
9·4	22	4·1	16·0	
9·0		9·6	18·3	
9·4		17·1	7·7	
8·7		28·6	13·7	8·5 —
10·0		31·1	33·0	
9·7		33·1	53·0	
9·7		44·1	32·0	
9·0		44·1	10·6	9·0
10·1		48·6	59·4	
9·2		48·6	56·8	
9·6		58·1	7·8	
10·1	23	6·1	40·7	
9·6		7·1	14·8	
9·8		7·1	47·8	
9·6		12·1	9·3	
9·6		12·1	16·7	
9·6		12·1	34·4	
10·1		27·1	15·0	
9·8		31·6	20·0	
9·7		43·3	8·0	
8·0		53·3	26·0	8·5 GSb≡
9·7	24	3·3	44·0	
9·6		13·8	9·3	
	+ 1	0·8	—4·9	

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2521—2580.

mag.	8h. m	s	−30° ′	
10.1	24	14.2	40.1	
9.7		16.8	50.6	
10.1		22.3	12.2	
9.4		30.3	35.8	
10.1		39.3	12.4	
10.0		43.3	8.2	
10.0		57.3	40.2	
8.9	25	8.8	3.8	9.5
9.4		13.3	36.2	
10.0		14.4	56.6	
8.6		17.3	5.8	9.0
10.1		22.3	45.8	
10.1		30.2	22.0	
9.8		31.3	13.4	
9.0		44.3	20.0	
[illegible].1		45.3	42.8	7.5 GSa
[illegible].7		54.3	23.1	9.0
[illegible].2	26	3.3	13.8	
[illegible].0		7.3	54.8	
10.0		16.3	33.8	
9.7		22.3	58.0	
9.6		22.8	6.1	
9.8		24.8	39.0	
9.6		26.3	5.9	
9.6		26.3	0.5	
10.0		33.3	22.0	
10.1		43.2	47.0	
8.8		54.8	37.4	9.0 =
9.7	27	5.3	11.4	
10.0		6.3	36.8	
10.1		7.3	4.8	
10.0		10.3	38.6	
9.2		36.8	25.4	
10.1		48.3	54.0	
10.0		52.3	22.0	
10.0		55.3	1.7	
9.4	28	7.3	54.2	
9.8		22.4	55.9	
9.6		26.4	42.8	
9.4		26.4	1.1	8.5 –
9.7		27.4	31.9	
9.2		36.4	22.4	9.0
9.6		47.9	48.8	
10.[illegible]		55.4	28.0	
9.[illegible]	29	0.4	44.5	
9.[illegible]		3.3	52.7	
9.[illegible]		3.9	32.7	
9.[illegible]		16.4	6.7	9.0
9.4		17.4	57.4	
9.6		26.4	18.8	
9.6		29.9	12.7	
9.8		33.9	24.2	
10.[illegible]		47.9	21.3	
8.[illegible]	30	10.4	51.3	8.5 =
10.[illegible]		15.4	49.0	
9.[illegible]		17.4	31.0	9.0
10.[illegible]		22.9	36.9	
10.[illegible]		[illegible]	38.9	
8.6		[illegible]	28.9	9.0
10.[illegible]		[illegible]	39.2	
	+ 1	1.0	−5.0	

2581—2640.

mag.	8h. m	s	−30° ′	
8.8	30	42.9	8.0	9.0
9.6		48.4	31.0	
10.1		54.4	25.9	
9.8		58.9	38.0	
8.0	31	6.4	10.0	8.0 G–
7.4		12.4	54.3	GSb=
10.0		13.4	10.0	
10.0		17.4	52.1	
9.2		26.9	55.0	
8.6		34.9	20.4	9.0
10.0		44.4	26.3	
8.7		50.4	23.8	9.0 –
9.6		52.4	30.1	
9.8	32	0.4	52.7	
8.3		2.9	13.7	9.0 G–
10.1		7.4	47.6	
9.2		12.4	9.0	
9.8		16.3	59.4	
7.8		24.0	3.8	8.0 GSa
9.7		34.0	16.9	
9.0		48.0	21.6	
10.1	33	2.5	7.8	
9.2		14.5	4.0	9.5
9.8		24.5	37.6	
10.0		28.2	1.8	9.5
10.1		29.5	47.0	
9.4		36.8	38.3	
10.1		43.9	1.3	
9.4		50.8	21.5	
9.6		52.1	0.2	
9.6		53.3	39.0	
9.8	34	19.1	10.4	10.0
8.6		25.5	9.2	8.5 –
8.6		45.0	3.6	
9.2	35	1.1	48.1	
9.1		3.1	19.3	
9.9		4.3	1.9	
9.4		5.1	39.9	
8.7		13.1	6.8	9.5
9.9		18.1	6.2	
9.2		27.6	9.9	
10.0		32.8	10.2	
8.9		33.2	57.2	9.5
9.9		37.6	40.7	
9.9		53.1	19.5	
9.0	36	15.2	57.7	9.2 G
9.4		22.1	48.1	
9.9		26.9	58.5	
9.9		42.6	26.7	
9.8		51.6	15.9	
8.6	37	9.1	7.1	9.0 G–
9.4		13.1	31.0	9.5
9.4		23.1	16.3	
9.2		36.1	5.1	9.5
9.8		38.6	27.1	
9.1		39.1	14.7	9.5
8.8		44.1	18.3	9.0
9.9		47.1	39.7	
9.2		47.1	19.1	
8.9		51.1	18.0	9.0
	+ 1	1.4	−5.2	

2641—2700.

mag.	8h. m	s	−30° ′	
9.4	37	55.6	15.1	
9.2		57.1	43.1	
9.6	38	7.6	15.7	
9.7		14.1	54.4	
10.0		18.6	35.0	
9.8		34.1	13.5	
9.1		37.6	18.5	9.5
8.4		44.1	13.3	9.0
9.3		46.1	36.1	–
9.2		47.1	25.3	
9.3		48.1	3.5	
9.3		52.6	9.5	9.5
9.7		55.1	16.1	
9.5		57.1	15.4	
10.0	39	2.1	6.1	
9.6		4.1	27.1	
9.7		6.6	26.7	
8.9		16.9	58.6	
10.0		18.1	8.9	
7.5		53.1	31.5	8.0 GSb=
9.4		55.6	42.9	
9.9	40	11.1	18.5	
9.8		18.1	28.4	
9.7		40.1	51.9	
9.7	41	10.1	13.4	
8.9		23.1	53.6	9.2
9.1		28.1	7.0	8.5 –
9.4		32.1	33.2	
9.0		52.1	31.5	
9.6		55.6	3.0	
8.5	42	3.1	1.0	8.5 ≡
9.8		11.1	56.3	
9.1		22.1	45.7	
9.4		27.6	56.3	
9.4		44.1	17.0	
8.6		51.6	46.8	9.0 –
9.2		54.1	27.5	G
10.0		57.1	2.3	
9.6	43	7.1	23.2	
9.3		22.1	14.3	
9.2		25.1	19.2	9.0
9.0		25.9	56.8	9.0 –
10.0		26.1	58.7	
10.0		39.6	16.9	
9.8		49.1	43.0	
9.7		55.1	48.3	
9.9	44	12.1	8.9	
10.0		12.6	44.8	
9.2		13.9	57.2	
8.4		16.1	45.7	
9.3		17.1	31.0	
8.2		17.6	28.0	8.5 GS≡t
9.9		20.1	31.6	
9.0		35.1	3.5	9.5
9.4		56.1	51.9	
9.4	45	13.1	45.9	
9.6		42.1	24.7	
9.9		43.6	12.1	
9.7		43.9	0.2	
10.0		47.1	30.5	
	+ 1	1.8	−5.4	

2701—2760.

mag.	8h. m	s	−30° ′	
9.4	45	49.6	56.5	10.0
9.2		58.6	27.2	
9.3	46	7.1	55.5	9.5
9.5		14.0	54.2	
9.8		17.5	9.6	9.0
9.4		23.0	47.4	
9.3		24.5	36.0	
8.0		34.0	40.6	=
9.7		42.0	33.9	
10.0		47.0	23.2	
10.0		57.0	7.1	
9.4		57.0	43.5	9.0
9.4	47	4.5	42.8	
9.9		7.8	15.4	
9.4		14.0	9.5	
8.8		23.0	41.9	9.0 –
9.7		27.0	6.8	
10.0		50.0	23.8	
9.0	48	0.5	45.1	8.5 GW–
10.0		4.8	1.4	
9.4		7.0	23.6	
9.9		27.0	12.4	
9.8		30.8	55.5	
9.0		34.0	1.7	
9.8		34.0	25.3	
9.5		40.5	31.8	
9.1		41.5	53.2	9.2
8.6		56.0	46.2	8.5 Wa
9.6	49	5.5	5.6	
9.5		6.0	7.6	
9.9		43.0	46.8	
10.0		46.5	34.2	
9.8	50	4.0	37.0	
8.7		10.0	32.6	8.0 G–
9.9		14.0	35.1	
8.6		24.0	48.7	8.5 Wa
8.3		24.8	2.9	8.5 W≡
8.8		25.0	42.7	8.5 Wa
9.8		52.5	50.6	
9.8	51	7.5	27.0	
9.7		16.8	41.3	
9.0		28.0	25.2	9.5
9.8		31.3	59.0	
8.9		36.8	13.5	8.5 Wa
9.9		38.3	55.5	
9.8	52	11.3	11.2	
8.8		14.8	59.2	
9.8		20.8	11.5	
10.0		24.6	42.6	
9.9		44.8	40.3	
8.9		57.8	37.6	
9.1		58.8	58.5	
8.4	53	0.8	29.1	8.5 Ga
9.9		31.8	4.2	
7.9		33.8	45.6	8.0 Wa
9.3		54.3	2.9	
9.9	54	4.8	38.0	
9.1		6.8	9.2	9.5
10.0		22.6	29.7	
9.3		27.3	53.2	8.8 C–
	+ 1	2.2	−5.6	

2761—2820.

mag.	8h.–9h. m	s	—30° ′	
10·0	54	37·8	18·7	
9·1		51·8	6·6	10·0
9·2		52·3	13·3	9·0 –
9·7		54·8	59·6	
10·0	55	17·6	2·1	
9·6		22·3	15·6	
9·4		28·3	31·9	
9·6		30·8	43·9	
9·4		43·8	48·2	
9·3		46·8	43·8	
10·0	56	1·3	17·7	
9·0		10·3	13·1	8·2 GW=
9·0		13·3	13·7	9·2 G
9·5		25·3	21·4	
9·8		28·8	51·6	
9·8		34·3	48·2	
10·0		37·8	17·6	
9·9		38·8	11·0	
9·5		44·8	25·6	
9·3		46·8	56·1	
9·6	57	5·3	25·0	
8·0		21·1	31·5	8·0 GWa
9·8		48·3	37·7	
8·6	58	5·3	37·7	8·8 –
9·4		6·3	55·0	
9·4		13·6	0·0	
9·8		24·9	12·8	
9·8		33·6	58·3	
9·8	59	8·4	38·6	9·5
9·8		11·4	27·2	
9·3	0	9·3	55·4	
9·8		13·6	40·8	9·5
8·5		34·9	45·6	8·5 –
8·3		46·9	22·6	9·0 a
9·8		54·9	16·6	
8·8		55·7	57·1	8·8 G–
8·4		55·9	29·4	9·0 –
9·0	1	31·4	6·7	9·0
9·8		47·2	10·0	
8·8	2	8·2	36·6	9·5
9·3		10·7	29·3	
9·5		38·2	18·9	
8·8		55·2	35·9	9·0
9·8	3	16·2	43·4	
9·0		20·2	2·6	9·0 Ga
9·3		28·7	30·1	
9·4	5	12·7	51·3	
9·8		27·2	17·9	
9·6	6	39·2	22·1	
8·0	7	39·2	33·1	7·8 GSat
9·3		45·2	23·1	9·0 =
9·8	8	24·7	25·3	
8·8		32·7	35·0	9·5 a
9·8		33·7	5·1	
9·0		44·7	3·6	8·5 a
9·3		48·7	20·7	
9·8	9	13·7	1·1	
9·0		15·7	23·2	
9·8		22·2	52·3	
9·8	10	30·8	28·9	–
25pr.	+ 1	2·9	– 5·9	

2821—2880.

mag.	9h. m	s	—30° ′	
9·1	10	42·5	59·2	
9·4	11	11·3	8·8	
9·8		23·3	51·8	
9·4		36·5	58·9	9·0
9·8		39·8	40·4	
9·5	12	13·3	40·6	a
9·3		23·5	57·1	
9·3		31·3	38·9	
8·8		43·3	52·8	8·5 a
8·8	13	8·3	49·1	9·0 Ga
9·8		17·3	56·2	
9·6		24·3	9·1	
9·5		28·6	2·7	
9·3	14	16·8	15·2	–
9·4		33·3	7·4	
8·8	15	25·8	11·2	9·0 ≡
8·1	16	6·3	16·5	8·2 GSa
9·5		8·5	58·4	
9·8		52·3	0·2	
9·1	17	36·6	25·3	9·0
9·3		50·1	30·1	
9·3	18	3·6	51·0	
9·3		27·6	22·5	
9·3		30·6	18·3	
9·8		36·1	51·8	
9·8		46·1	4·8	
9·8		53·1	10·6	
9·8		56·1	13·5	10·0
9·6	19	1·1	29·0	
9·8	20	12·1	19·2	
8·0		38·3	49·7	8·5 GSb=
9·8	21	11·9	14·7	
10·0		13·1	14·1	
10·2		14·6	14·0	
10·4		14·6	7·2	
10·6		21·6	39·7	
10·2		35·1	26·3	–
9·9		54·6	1·4	
8·8	22	13·1	57·9	8·7 a
10·2		24·6	14·6	
10·6		34·6	16·4	
9·2		56·1	34·6	9·0 –
10·6	23	1·1	36·1	
10·6		16·6	24·7	
10·2	24	10·1	42·2	
10·2		12·1	3·1	
10·6		16·1	14·3	
8·9		19·6	27·9	
10·0		27·1	45·9	
10·4	25	5·1	46·9	
10·6		19·6	57·8	
9·7		20·6	58·2	
10·2		37·1	52·7	
10·0		44·1	48·5	
9·9		50·9	56·8	
10·6	26	22·1	23·4	
10·0		26·6	41·1	
9·0		44·1	32·6	
9·2		45·1	3·4	≡
9·8	27	8·1	50·3	9·0
	+ 1	4·2	– 6·4	

2881—2940.

mag.	9h. m	s	—30° ′	
9·9	27	53·9	54·4	
9·2	28	2·9	6·9	
9·2		2·9	22·5	
10·6		25·4	26·3	
10·2		29·9	30·7	
10·4		32·9	34·5	
8·6		34·9	17·6	8·5
10·6		40·9	20·8	
10·2		41·3	58·5	
9·8	29	12·9	48·8	
9·6		17·9	8·1	
10·4		37·4	14·7	
9·0		46·9	52·1	8·7 G=
9·4		53·9	21·4	–
9·2	30	5·4	12·5	9·0 =
9·8		12·9	37·8	
9·7		27·4	17·8	
7·5		39·9	40·5	7·7 GSb :
9·7		51·4	50·9	
10·2	31	11·4	51·8	
9·6		22·9	31·0	
8·8		26·9	42·1	
10·4		49·9	33·8	
8·0		52·4	24·5	7·2 GSb
9·9	32	6·0	1·5	
8·4		21·4	7·1	8·2 GSa
10·4		23·3	1·7	
9·9		25·9	41·1	
8·8		28·4	19·1	
10·2		37·9	28·6	
9·8		42·9	17·1	
10·0		44·4	27·1	
9·2		53·9	22·5	S
10·6	33	3·9	16·9	
9·6		35·4	27·3	
10·6		39·4	7·4	
10·4		47·9	3·5	
9·4	34	2·6	7·4	
9·2		17·6	47·0	a
9·9		31·1	5·6	
10·6		36·6	3·9	
10·4		51·1	45·2	
8·3		51·1	21·2	7·8 GSat
8·6	35	3·6	10·2	9·0 –
10·4		15·1	31·6	
9·8		23·6	31·3	
10·6	36	20·6	35·1	
10·4		26·4	58·9	
9·8		57·6	49·9	
10·2	37	11·6	22·9	
10·6		38·1	46·0	
10·6	38	2·1	6·4	
10·4		27·6	13·7	
9·4		28·1	52·8	10·0
10·6		37·6	7·2	
8·5		59·1	49·4	9·0 a
10·6		59·4	29·6	
8·8	39	17·1	36·4	9·0 a
10·6		17·6	46·8	
9·8		18·6	46·7	
	+ 1	5·0	– 6·7	

2941—3000.

mag.	9h. m	s	—30° ′	
8·9	39	32·1	33·8	a
9·8		33·6	16·8	
9·7		36·6	53·4	9·5
10·4		45·1	27·2	
10·0		57·1	45·6	
10·6	40	23·6	25·5	
8·9		45·7	0·4	–
9·8		54·1	33·9	
8·9	41	3·6	47·0	8·8 Ga
8·2		3·6	42·0	8·0 GSa
10·6		26·6	34·9	
8·6		34·1	23·7	8·5 a
7·3		36·1	41·4	7·0 GSat
9·4		41·6	32·0	
10·6	42	3·1	2·1	
9·2		32·6	1·7	a
10·6		33·2	7·5	
9·0		44·2	23·7	a
9·4		54·7	56·3	
9·7	43	17·2	49·7	
9·7		28·7	25·8	
9·8		33·2	31·1	
9·4	44	6·2	8·8	9·5
9·4		11·2	8·6	9·5
9·4		24·7	55·3	
8·8		43·7	47·0	8·5 –
10·6	45	3·2	52·6	
9·7		17·7	34·1	
8·8		32·2	21·1	8·5 Ga
9·4		33·2	30·6	
7·8		35·2	55·6	8·2 GSbt
10·6		41·2	16·7	
9·4		55·2	20·1	
10·2	46	1·3	0·2	
10·6		5·7	39·6	
10·6		6·7	56·8	
10·2		12·7	22·9	
8·9		16·7	8·6	9·0 –
10·6		28·7	37·2	
10·4		32·1	46·5	
10·4		45·5	54·1	
9·8	47	2·0	4·0	
8·6		12·0	39·4	9·0 a
10·4		35·8	53·1	
9·8		37·5	17·0	
9·1		50·0	18·9	
10·0		52·5	45·4	
9·4	48	5·5	6·5	9·2 Ga
10·0		12·5	18·9	
9·6		43·5	41·9	
10·2		49·0	57·1	
9·1		51·5	48·9	9·0 –
10·4	49	45·5	13·0	
9·4	50	29·0	36·6	
9·2		29·5	53·2	
9·0		35·0	42·6	
9·5		37·5	26·9	
9·6		43·0	34·3	
7·2		43·5	29·8	7·0 GSbt
8·8		55·5	16·9	8·5 –
	+ 1	5·9	– 7·0	

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3001—3060.

mag.	9h–10h m	s	—30° ′	
8·2	51	2·5	50·9	
9·6		18·0	38·9	
10·0		19·5	15·4	
9·6		30·0	2·9	
8·1		53·5	34·7	9·0
9·1		57·0	51·4	9·0
10·0	52	59·5	32·4	10·0
9·8	53	13·5	11·9	
10·0		36·5	21·6	
7·6		43·7	5·6	8·5 W≡
10·4		46·5	19·9	
10·2		50·0	50·7	
8·2	54	24·5	45·1	7·2 GSbt
9·5		26·5	48·9	9·5
10·0		30·0	19·2	
9·8		33·0	13·0	
9·5		37·5	53·5	
9·1		45·5	13·1	
9·1		46·5	49·1	9·5
8·6		51·0	1·9	9·0 Ga
8·4	55	13·0	10·9	9·0 Ga
10·0		18·7	3·0	
9·1		22·5	50·9	
9·0	56	3·0	12·0	8·5 Ga
10·0		5·5	41·6	
8·4		41·5	42·4	9·0 Ga
10·0		42·5	2·9	
10·0		53·0	45·7	
9·6		55·5	26·0	
9·6	57	2·5	9·5	
9·6		6·0	42·8	
10·4		21·5	56·6	
9·0		22·0	48·4	9·2 a
10·2		26·5	11·5	
9·5		30·5	53·7	
9·8		55·5	20·1	
9·4	58	52·5	26·1	
8·7	59	41·5	34·6	
10·4		44·5	34·9	
9·4		46·5	15·3	
10·4	0	5·5	5·5	
7·6		10·0	17·0	7·0 GSbt
10·4		12·5	54·1	
10·4		14·7	10·2	
9·1		22·0	35·5	9·5
9·6		30·0	55·6	
9·4		50·4	56·5	9·0
9·4	1	1·2	32·8	9·0
9·3		15·2	29·2	
9·6	2	3·7	22·0	
9·6		30·7	3·6	
8·7		47·2	5·7	9·2
9·8		49·2	56·0	
9·4		51·2	7·4	9·5
8·2	3	1·2	29·4	8·5 G≡
10·2		40·2	33·6	
9·4		46·2	18·9	
10·4		[illegible]	1·6	
		[illegible]	12·4	
		1·7	19·2	9·5 a
25pr.	+1	6·8	—7·2	

3061—3120.

mag.	10h m	s	—30° ′	
9·5	4	18·7	39·1	
8·4		35·2	17·0	8·2 Ga
9·6		35·2	37·8	
10·0		37·2	42·8	
10·0	5	25·2	47·1	
9·5		36·7	34·7	
10·0		47·2	52·5	
10·0	6	14·7	41·7	
10·0		17·2	37·0	
9·5		32·2	17·7	
9·6		41·2	47·5	
9·6		46·2	10·2	
10·0		51·7	14·6	
9·0	7	9·2	26·1	
9·2		11·2	40·1	
10·2		25·2	6·0	
9·4		42·7	49·2	9·0
8·7		52·2	55·3	8·6 Ga
7·8	9	3·5	11·9	7·8 GW=
10·4		15·2	13·8	
9·6		35·2	28·4	
10·4		52·7	21·5	
9·0	10	4·2	51·7	8·5 Ga
9·5		4·9	59·0	10·0 a
7·8		5·2	34·8	8·0 GWa
9·4		50·9	45·2	9·5
9·6		57·9	16·8	9·5 a
10·1	11	17·9	55·3	
8·1		18·9	18·0	8·2 Ga
10·1		40·9	35·1	
10·1		53·9	22·6	
9·4	12	11·9	15·0	
10·0		46·9	28·1	
9·4	13	12·4	47·6	9·0
10·1		26·9	19·9	
10·1		53·4	54·4	
8·0		57·9	22·1	7·5 G=
9·1	14	1·2	0·3	
9·2		18·9	43·3	
8·4		26·4	59·3	8·0 G—
8·0		32·9	57·3	7·7 G—
10·1		56·4	9·4	
9·4	15	13·9	29·5	9·0
9·4	16	7·9	8·5	9·0
8·5		14·9	3·3	8·5 ≡
8·2		31·9	53·2	9·0
10·0		44·9	23·3	
10·1		52·1	1·1	9·5
8·5		52·4	1·6	8·0 G=
10·0		56·9	0·1	
9·4	17	29·9	28·3	
8·0		53·9	17·5	8·0 Ga
8·8	18	7·9	55·5	8·7 G=
8·8		19·1	53·9	9·2 =
8·8	19	3·1	12·8	9·5 a
9·4		29·1	58·5	9·0
9·7		53·6	38·7	
9·6		53·6	2·5	9·5 —
10·0	20	37·6	15·9	
9·4	21	9·6	42·8	Ga
	+1	7·9	—7·4	

3121—3180.

mag.	10h m	s	—30° ′	
6·8	21	26·1	25·8	4·2 GStπ
9·7		54·6	27·9	
9·0		56·6	56·8	
9·7		57·1	56·3	
9·8	22	12·6	36·6	
9·6		34·6	3·7	a
9·4	24	50·1	17·7	
8·9	25	16·6	50·2	9·5
9·6		57·6	42·5	
10·0	26	5·6	24·1	
10·1		39·1	9·2	
9·4		42·4	22·8	a
9·1	27	27·6	41·2	9·5
9·6		47·6	17·5	a
9·7		54·1	48·2	
9·7		57·6	22·9	
9·7	28	17·6	28·6	
7·5	29	3·1	41·9	8·0 GSbt
9·2		37·6	19·6	a
9·4		47·6	35·1	
8·2	30	28·1	41·9	8·2
9·2		36·1	10·2	a
8·0		38·6	54·4	8·5 =
9·4		52·6	20·7	a
10·1	31	2·6	10·3	
9·4	33	33·2	22·4	
10·1		36·0	31·3	
9·4		44·9	24·6	
10·5		48·2	21·2	
10·5		52·7	26·8	
10·5	34	21·2	18·6	
9·8		23·9	11·5	
10·2		26·2	14·1	
9·8		40·2	49·1	
9·8		53·7	37·7	
9·8	35	10·7	13·3	
9·4		19·7	8·0	
9·6		39·4	59·6	
8·2		53·7	5·9	8·3 :
9·6		55·2	21·3	
10·0	36	5·7	39·0	
10·0		14·7	47·2	
10·2		24·7	0·8	
10·5		43·2	46·7	
9·2		45·7	30·4	
10·0		45·7	11·6	
10·0		51·7	9·2	
10·5	37	12·7	4·7	
8·4		47·0	12·8	GWa
8·0		48·5	26·2	8·0 Ga
8·4		49·5	32·9	8·0 a
10·4		49·5	52·5	
10·4		53·0	11·5	
9·6		55·5	30·8	
9·8	38	12·0	21·0	
10·0		36·5	13·2	
10·5		38·0	0·8	
10·5		42·5	29·3	
9·5		53·0	30·7	
10·0	39	3·0	27·9	
	+1	9·6	—7·8	

3181—3240.

mag.	10h m	s	—30° ′	
9·8	39	15·0	32·8	
8·7		16·0	40·9	8·0 a
9·5		25·5	39·8	9·5
10·5		30·5	10·5	
8·7	40	3·0	12·0	8·2 Ga
9·8		25·5	48·8	
8·8		37·5	48·1	9·5
9·8		47·5	29·0	
10·3		52·5	18·3	
9·6	41	32·5	18·3	
8·2		42·5	56·7	7·8 GSa
8·7		43·5	32·8	9·5
10·4	42	22·0	0·6	
9·2		33·5	50·4	
9·0		42·5	36·2	9·0
9·8		45·5	16·0	
8·9		52·5	48·0	
8·0	43	6·0	23·8	8·0 Ga
9·6		8·0	44·4	
10·2		9·0	28·8	
8·2		12·5	5·4	8·0 a
8·2		25·5	50·7	8·0 a
9·6		26·0	24·0	
8·6		54·5	45·3	8·5 a
10·4	44	2·5	18·1	
9·8		24·0	25·2	
9·8		31·5	17·2	
10·0		32·5	31·0	
10·5		37·7	35·3	
10·0	45	7·2	13·2	
9·8		44·7	29·7	
9·6		49·2	40·7	
10·3		57·7	27·7	
8·8		59·7	33·4	9·5 —
9·8	46	1·2	17·3	
10·0		5·7	9·8	
9·6		6·7	29·8	
9·6		25·7	22·7	
10·2		46·7	9·0	
9·6	47	22·7	0·4	
10·0		33·7	33·0	
10·5		38·2	41·9	
8·7	48	18·7	29·0	9·0 W≡
10·5		25·7	13·7	
8·6		37·2	44·2	9·0
9·6		41·7	47·1	
10·0		42·7	55·7	
10·4		46·2	34·8	
10·5		55·7	44·6	
9·6		58·7	56·6	
10·5	49	11·7	17·5	
8·9		11·7	19·7	
10·5		12·7	19·1	
10·5		21·2	48·6	
8·4		26·7	37·2	9·5
10·4		26·7	1·7	
10·4		28·2	3·3	
9·8		45·7	55·8	
9·8		53·7	47·1	
9·2		57·7	9·9	
	+1	10·5	—7·9	

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3241—3300.

mag.	10h.–11h. m s	—30° ′	
8·8	50 2·7	49·3	
8·9	31·7	17·4	
7·6	56·7	32·2	8·0 GSa
9·3	51 12·7	39·9	
10·3	28·7	10·7	
10·0	45·7	52·8	
10·5	49·8	1·6	
10·2	52·0	34·6	
8·9	52 12·0	28·8	
7·9	19·0	53·7	8·7 Ga
8·8	39·0	22·1	9·5
9·8	55·0	22·4	
9·8	57·0	30·3	
10·4	53 29·0	52·6	
10·6	32·0	40·8	
10·4	35·0	44·5	
9·3	41·0	17·8	
9·2	41·0	41·4	10·0
9·4	54·0	14·3	
10·2	54 9·0	24·0	
10·6	32·0	9·8	
10·4	38·5	33·1	
9·6	47·1	2·9	
10·2	53·0	36·2	
10·6	58·0	23·2	
9·2	55 12·0	34·2	
9·8	14·5	52·7	
9·8	56 6·0	34·6	
10·0	53·0	54·7	
9·8	57 8·0	49·4	
9·0	16·6	2·9	
9·3	36·0	29·6	
9·2	57·5	53·2	9·0 –
10·3	58 4·5	28·5	
10·0	13·0	52·8	
10·4	15·5	33·2	
8·4	33·7	10·2	8·2 a
9·8	59 47·2	52·2	
9·3	0 21·7	25·5	9·0 –
9·4	1 47·4	2·2	
9·5	2 42·7	5·7	9·0 ≡
9·8	51·2	22·1	
8·9	52·7	13·1	9·5
9·2	55·2	15·5	
8·9	56·2	38·9	≡
10·0	57·0	28·2	
10·0	3 14·4	58·1	
9·4	17·7	56·7	
9·4	4 53·7	58·1	9·0 –
9·8	5 24·7	42·5	–
9·6	43·7	4·3	
9·8	6 22·7	39·4	
8·4	27·7	27·2	8·5 Gb
9·2	28·2	37·5	
10·2	7 40·2	46·9	
9·4	54·2	28·1	
9·0	8 5·7	41·5	9·0 =
10·2	43·2	37·5	
9·2	59·7	21·4	9·0 –
9·6	9 33·7	4·1	
25pr.	+1 11·5	−8·0	

3301—3360.

mag.	11h. m s	—30° ′	
9·4	9 40·2	36·5	
8·4	49·2	10·0	9·0 Wa
9·3	56·2	36·5	
9·4	10 5·7	6·9	9·5
9·5	45·2	36·5	
10·2	46·7	37·9	
10·0	11 5·7	40·3	
8·4	12 5·2	37·7	8·5 a
10·2	6·1	59·2	
8·3	42·2	40·4	8·8 a
8·0	13 0·7	19·5	8·2 a
9·4	14 1·7	27·1	
9·6	42·7	37·5	–
9·6	51·0	57·6	
9·6	15 5·7	4·4	
8·9	25·7	37·5	8·5 =
8·1	29·7	50·1	8·0 G≡
10·2	40·0	26·2	
9·0	44·4	59·9	9·0
8·2	16 25·5	13·0	8·2 a
9·8	43·5	26·3	
8·6	53·5	12·5	8·8 Ga
9·3	17 2·0	52·6	
9·5	25·5	54·3	
9·6	35·5	17·9	
8·9	45·0	57·8	9·5 =
9·0	18 32·5	50·2	
9·6	33·5	37·8	
10·4	20 58·7	0·3	
10·2	21 22·7	34·0	10·0
10·2	37·1	17·8	
10·2	46·2	42·9	
8·2	22 1·7	32·9	9·0 ≥
9·0	2·7	33·0	10·0
8·8	45·5	58·8	9·0
8·8	55·7	18·3	
9·4	23 45·7	53·2	
9·8	24 11·7	27·7	
9·0	22·7	37·0	
10·4	32·3	38·8	
9·4	51·6	57·1	
9·4	25 23·8	25·2	8·8
10·0	25·7	59·1	
8·6	58·2	42·9	8·8 –
8·6	26 4·8	41·4	8·2 –
10·0	15·8	25·1	
8·8	16·8	16·9	8·2 G–tπ
10·4	24·8	15·9	
10·4	25·8	27·0	
10·4	36·7	57·4	
7·2	43·8	23·9	6·0 GSπβ
9·4	54·8	18·8	
9·4	27 35·8	23·9	8·8 G
9·9	56·8	50·8	
9·4	28 16·8	52·6	
9·7	32·8	56·3	
7·6	51·8	2·2	7·4 GSat
9·5	29 9·3	55·0	
9·6	15·8	27·2	
9·2	22·1	57·3	
	+1 13·6	−8·2	

3361—3420.

mag.	11h. m s	—30° ′	
8·8	29 26·8	50·0	
8·8	42·8	20·2	9·0
7·3	31 34·3	31·4	7·0 GStπ
9·4	42·3	31·0	9·5
9·4	32 11·8	57·1	
8·4	51·3	11·1	9·0 =
8·8	59·8	21·0	9·0
9·2	33 10·3	30·9	8·8 –
10·2	29·1	59·0	
10·0	29·7	52·0	
9·2	43·8	44·1	
9·8	34 15·8	50·7	
9·6	35·8	21·4	
10·4	40·8	54·2	
10·4	36 15·3	35·6	
9·2	52·3	57·1	
8·5	37 14·8	19·7	8·5 =
8·2	38 3·7	56·0	8·5 ≡
8·4	39 23·7	15·7	8·5 Gb
10·4	54·2	16·4	
8·6	40 16·2	14·0	8·5 Ga
9·4	22·2	25·8	
7·1	41 8·2	33·6	7·0 Sat
10·4	11·2	29·2	9·0 G=
10·4	42 22·2	24·7	
10·4	56·6	24·2	
9·6	43 34·7	47·0	8·5 –
9·9	44 22·7	31·8	
10·4	54·0	58·8	
8·8	45 8·0	56·0	8·8 =
6·9	22·7	7·8	6·0 GSat
9·6	44·8	11·3	
9·0	46 2·8	44·4	–
8·8	47 20·4	56·3	9·0 ≡
7·9	51·4	12·8	7·5 GSa
8·4	48 26·7	58·4	8·2 S≡
9·2	50 2·4	29·6	8·5 Ga
9·4	10·9	21·8	9·5 –
9·6	32·4	47·0	
9·4	51 6·4	49·1	9·0 –
9·6	33·4	40·4	9·0 –
7·3	43·2	57·3	7·0 GSb=
9·6	52 12·9	40·1	
9·6	32·4	17·5	9·0
9·6	53 31·9	21·0	
9·6	55 7·9	41·3	
9·6	19·5	11·9	
9·6	28·0	8·1	
9·6	58·5	40·4	
7·9	56 37·5	59·8	7·5 GSat
9·6	54·5	34·2	9·0 =
8·4	57 2·0	48·7	8·0 a
9·6	15·5	10·0	9·0
7·7	58 10·0	29·3	8·0 GWa
8·8	24·5	13·2	
9·5	59 5·8	59·4	9·0 –
9·6	13·0	24·8	
9·6	26·0	34·8	
8·4	46·0	19·8	9·0 W=
9·6	52·0	43·4	G
	+1 15·6	−8·3	

3421—3480.

mag.	11h.–12h. m s	—30° ′	
9·6	59 56·0	18·7	9·0 W
8·6	57·0	52·1	8·8 G>
9·6	0 6·0	57·0	
8·2	48·6	1·0	8·0 a
9·6	1 5·3	10·0	
7·0	9·3	42·6	7·0 GWa
7·6	35·3	26·6	8·0 Ga
9·6	43·3	9·6	
8·8	55·3	15·9	8·8 –
9·2	2 50·8	50·0	9·0 ≡
9·6	3 43·3	22·1	
8·6	51·3	35·8	8·8 =
9·6	4 13·5	59·1	9·5
9·6	15·3	29·9	
9·0	5 2·3	51·6	8·5
9·6	15·8	58·9	
9·6	22·3	47·7	
9·6	22·8	15·8	
8·0	6 25·3	36·6	8·2 GWa
8·0	35·3	49·3	7·8 Ga
9·6	7 10·3	7·7	
9·6	30·3	34·4	
9·2	30·8	18·6	9·0
9·2	57·3	13·3	9·5
9·6	8 13·8	25·7	
9·0	22·8	31·3	
9·6	56·5	23·9	
8·0	9 4·6	59·9	7·8 Gb–
8·2	27·5	18·5	=
8·5	29·0	24·9	8·5 G=
8·6	38·5	24·6	8·5
9·4	55·9	54·2	
9·6	10 0·7	3·6	
8·0	11 16·5	30·5	8·0 Ga
7·6	56·0	48·0	7·5 Ga
9·6	12 25·5	20·7	
9·6	29·0	55·9	
8·4	31·0	48·2	9·0
9·2	56·5	58·5	
8·3	13 6·5	13·1	8·8 –
9·6	47·5	35·0	
9·6	49·0	11·3	
9·6	14 28·0	27·5	9·0 =
9·5	48·0	5·4	
9·2	15 18·0	9·3	
9·4	28·5	54·8	
9·3	31·0	33·5	8·5 –
8·2	41·5	28·9	8·8 ≥
9·4	16 0·0	21·2	
8·4	37·5	50·7	8·5 –
8·7	17 11·8	5·4	9·0
9·3	40·3	54·9	
8·4	18 2·8	32·6	8·2 G–
9·2	14·8	49·0	–
9·6	39·8	43·2	
8·4	48·8	25·4	8·8 Ga
9·0	50·3	57·1	9·0
8·3	50·3	26·2	8·0 G
9·6	19 5·8	32·6	
9·6	26·8	37·9	
	+1 17·7	−8·3	

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3481—3540.

mag.	12h. m	s	—30° ′	
9·5	19	32·3	29·1	
8·1		55·3	56·2	8·3 Ga
9·5		58·3	27·6	
9·5	20	3·8	32·2	
9·3		12·5	0·4	
8·9		21·8	31·3	8·5 –
8·8		39·8	37·5	8·5 =
9·1		58·1	58·1	
9·6	21	31·3	12·0	9·5
9·6		41·8	8·7	
8·7	22	8·3	53·8	9·6
9·3		31·3	8·8	
8·4		35·8	50·8	9·0 =
9·5		38·8	13·9	
8·5		41·8	8·3	9·0 S=
8·7	23	2·3	58·7	9·0
8·3		8·8	27·4	8·5 G≥
9·6		25·3	14·1	
8·8	24	11·3	59·3	
9·2		31·8	24·6	
7·9		32·8	56·7	8·0 GSb=
8·8		44·8	17·8	9·0
9·2		51·3	38·0	
7·6	25	1·8	17·4	7·0 GSa
8·4		26·8	14·1	8·8 –
9·3		45·8	59·7	
9·0		53·8	54·5	
8·5		56·3	36·0	8·5 G–
9·5	26	10·8	3·5	
9·5		21·1	58·6	
8·4		26·1	57·3	8·3 GW–
9·3		54·1	3·3	
8·2	27	1·9	59·7	8·5 –
9·0		32·1	4·0	9·0 a
8·8	28	15·6	43·5	8·5 =
9·6	29	11·8	49·8	
9·6	30	35·8	3·6	
8·4		45·6	50·9	8·2 Ga
9·3		56·6	37·7	
9·6	31	15·8	56·6	
9·6		25·1	40·9	
8·8		39·1	4·2	8·5 Ga
9·5		51·6	30·0	
9·6	32	25·1	17·5	
9·0		41·1	6·2	
9·6		52·6	40·3	
9·2	33	0·9	2·0	
9·9	35	3·8	54·7	
9·9		12·7	34·1	
8·3	36	6·3	15·7	8·2 Ga
9·2		28·3	11·6	9·0
8·5		52·3	42·0	9·0 –
9·9	37	35·3	19·3	
8·4		57·8	55·5	9·5 =
9·6	38	37·7	15·8	
9·1	39	7·3	7·6	9·0 a
9·2	40	15·8	16·3	
9·4		16·3	19·8	
9·0		41·3	16·8	
9·4		44·3	12·9	
25pr.	+1	19·0	–8·3	

3541—3600.

mag.	12h.–13h. m	s	—30° ′	
9·2	40	50·3	2·5	9·0 –
9·2		51·8	16·1	9·0 –
9·9		59·3	15·8	
8·0	41	55·8	43·4	=
9·4		57·3	17·4	
8·5	42	9·8	28·4	9·0 –
8·6		11·8	31·2	8·5 =
9·0		21·8	18·3	
9·0		27·8	5·1	9·0
8·3		49·8	8·0	8·5 a
9·6	43	27·3	19·7	
8·4		31·8	32·6	8·8 a
9·3		56·3	5·4	
8·3	45	0·3	24·1	7·5 GSa
7·4		5·8	31·1	7·0 GSa
9·3		9·8	56·5	
9·2		15·3	51·4	
9·9		19·3	13·8	
9·6	46	32·7	4·4	
8·4		33·7	40·1	8·0 G=
9·3	47	56·2	27·2	
9·9		58·7	34·5	
9·0	48	14·7	59·2	9·5
8·7		52·7	47·0	8·0 G=
9·7	49	7·5	57·9	
7·1		15·2	48·2	7·0 GSb=
9·6		21·2	11·8	
8·4		23·2	45·2	8·8
9·8		49·2	8·9	
8·5	50	1·7	24·2	8·5 a
9·9		2·2	53·1	
9·9		11·7	35·1	
8·8		55·7	25·4	9·0 –
9·8		57·2	13·3	
9·9		59·7	55·6	
9·9	51	7·2	34·3	
8·4		28·7	36·1	8·5 Ga
8·6		37·2	19·3	8·8 a
9·3		48·7	40·8	9·0 –
9·9	52	16·2	11·8	
9·8	54	8·2	19·4	
8·3		10·2	43·1	8·5 =
8·0		59·7	9·6	7·5 GSb
9·0	55	4·2	14·4	9·0
9·3		10·7	21·9	
9·7		15·2	2·4	
8·8		33·2	21·4	9·5
9·0		34·7	22·9	9·5 –
9·3		35·7	44·5	
9·9		52·7	43·0	
9·9	56	34·7	0·0	
8·8		36·2	29·4	9·0
8·8	57	19·2	51·6	8·5 =
9·4	58	3·7	3·7	
9·4		50·1	6·1	9·5 –
9·0	59	3·1	5·8	9·0 –
9·0		7·1	53·4	8·8 a
7·3		46·3	56·4	7·0 GSa
8·5	0	24·1	51·9	8·5 a
9·7		53·1	52·4	
	+1	21·1	–8·2	

3601—3660.

mag.	13h. m	s	—30° ′	
9·7	1	7·1	20·5	
9·3		17·1	11·8	
8·6		46·1	35·3	9·0 –
9·7	2	1·6	57·2	
9·1		10·1	43·1	
9·1		21·1	53·8	9·0
9·2		29·1	11·7	
9·7	3	39·9	0·2	9·0
9·7		43·2	46·0	
8·9		43·7	48·1	8·5 =
9·1	4	23·2	7·2	
9·1		24·2	27·1	9·5 Ga
9·2		47·2	8·5	
8·7		55·7	40·0	=
9·6		55·7	24·4	
9·2	5	6·7	3·6	9·0
8·5		32·7	23·8	8·5 Ga
9·7		34·2	24·5	
9·3		46·2	21·8	
9·1		56·2	16·1	9·0 =
9·0	6	1·7	52·8	9·0 G–
8·3		2·7	3·2	8·0 Ga
9·3		29·2	17·7	
9·2	7	2·7	36·3	
9·4		9·7	37·0	
8·7		17·2	56·8	8·5 –
9·2		17·7	47·3	
9·7		24·7	15·6	
9·2		27·2	57·5	9·0
8·4		52·7	53·1	8·5 =
9·4	8	15·2	8·6	
9·2		29·7	4·4	9·0
9·0	9	42·7	39·6	9·0 –
6·6		56·7	50·6	5·8 GStπ
9·4	10	0·7	29·6	
9·3		2·7	37·1	9·5
9·0		51·3	12·8	9·0
9·0	11	10·3	4·4	8·3 Ga
9·2		33·3	13·6	
8·4	12	20·8	13·7	8·0 Ga
9·2	14	39·8	32·3	9·0 –
8·9	15	30·8	9·2	8·5 a
9·7	17	21·3	55·7	9·5
9·6		36·1	7·2	
9·3		43·1	24·4	
9·6	18	0·3	40·0	
8·3		11·6	32·6	a
8·9		43·1	11·8	9·0
9·7	19	11·1	46·7	9·5
9·1		19·6	51·9	9·5
9·0		28·1	32·6	9·0 a
8·7		36·1	47·9	8·3 Gb
9·4		42·3	0·0	
9·0	20	25·1	23·3	9·0 G
9·2		26·1	5·4	9·0
8·3		46·6	8·2	8·5 G–
10·4		56·0	6·9	
10·0	21	10·5	4·3	9·0
7·5		12·6	54·1	b
10·3		25·8	56·9	
	+1	22·5	–8·0	

3661—3720.

mag.	13h. m	s	—30° ′	
10·4	21	44·0	7·8	
9·2		46·8	50·9	9·0
10·2		47·0	20·0	
8·4		58·3	23·7	8·0 Ga
10·4	22	8·5	0·2	
9·6		11·2	59·3	9·0
10·3		26·5	10·1	
8·7		41·0	44·4	8·5 =
9·6		57·3	53·9	9·0
10·2	23	8·1	32·2	
10·2		32·1	8·9	
8·7	24	20·1	41·0	9·0 =
10·4		43·6	54·5	
7·7		46·6	24·6	7·5 GWa
8·5		53·6	57·2	
10·3	25	42·6	1·7	
9·6		51·3	57·1	=
8·8	26	33·1	44·9	9·0 –
10·4	27	35·4	1·4	
10·4		38·1	11·2	
10·4		40·0	1·2	
8·7		40·1	33·8	9·0
10·4		59·1	44·5	
8·2	28	12·6	46·0	8 5 a
9·2		31·1	47·0	9·0
9·4		59·1	23·2	9·0 =
9·6	29	3·6	56·8	
9·9		13·1	29·6	9·0
9·4		18·1	35·3	9·5
10·2		24·1	25·0	
10·2		31·6	17·5	–
10·0		43·9	57·9	
10·4	30	25·1	5·0	
10·3		27·6	32·0	
10·3		38·1	29·9	
9·4		53·6	21·8	
10·0		54·1	58·5	
10·4	31	10·3	6·8	
10·4		13·6	33·1	
9·8		35·1	0·3	
10·4		38·4	1·1	
9·9		42·6	45·3	9·0 –
8·7	32	0·6	6·7	9·0 =
10·0		3·1	20·9	
8·8		21·1	14·9	8·5 W=
9·2		44·1	38·5	=
10·4		45·0	56·0	
10·4		52·1	50·5	
9·6	34	12·6	9·7	
8·7		16·6	16·9	8·8 =
10·4		29·6	3·7	
8·8	35	20·6	1·7	9·0 –
9·0		22·1	53·8	9·0 –
10·4	36	14·1	37·3	
8·5		20·1	48·8	8·5 G≡
9·0		23·1	51·2	8·5 G=
9·0	37	15·6	32·3	9·5 G
10·4		22·0	41·3	
10·4		31·3	59·6	
10·4		53·1	17·5	
	+1	24·2	–7·7	

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3721—3780.

mag.	13ʰ. m	s	—30° ′	
10·4	38	20·1	11·1	
9·6		26·6	8·8	
9·4	39	33·1	53·8	
9·4		50·3	1·9	
10·3		57·1	4·7	
9·6	40	42·1	55·3	
10·3		52·1	28·3	
10·3	41	6·1	22·0	
8·6		16·6	7·5	8·0 GWa
10·4		20·1	49·4	
10·4		22·1	50·5	
8·6		52·1	45·1	8·5 G≥
8·2		53·1	5·2	7·5 GWa
9·8	42	0·6	58·5	
9·2		26·1	52·3	8·7 –
9·0		34·1	43·7	9·0
9·9		48·1	45·3	
10·4		49·1	53·5	
10·4	43	7·1	31·5	
7·4		12·6	26·6	7·5 GSb≥
10·4		28·3	54·3	
7·2		31·8	35·0	7·0 GSb>
8·2		42·8	36·4	8·0 G=
10·3		55·3	26·2	
9·4	44	5·8	11·0	
10·4		15·3	56·8	
9·6		25·1	1·1	
7·5		31·8	41·9	7·5 GSbt
9·9		37·3	51·2	
10·4		39·8	4·2	
9·0		40·3	11·0	
6·8		51·3	59·9	6·5 GSct
7·4	45	9·3	10·0	8·0 GS=
8·9		32·5	34·1	
9·6		34·1	1·0	
9·4		43·3	24·3	
9·0		59·3	34·6	
8·9	46	15·5	37·7	
9·6		16·0	59·5	
9·1		39·5	36·3	
9·5		46·7	13·8	
9·0	48	4·2	17·9	
9·5		17·2	22·8	
7·6		33·4	40·3	GSa
8·3		42·4	59·6	8·5 –
9·0		44·9	6·0	9·0
9·5		51·4	36·1	
8·8	50	15·4	18·6	9·0
8·1		43·9	21·1	8·0 GW≥
9·5		53·4	5·4	
9·3	51	22·4	31·9	9·0
8·6		27·4	27·3	8·5 –
9·5	52	40·4	6·2	
8·8	53	42·4	43·4	9·0 –
8·6	54	9·4	44·2	8·5 ≡
9·1		46·4	54·5	
9·0		53·4	35·5	
8·7	55	6·4	55·5	8·4 a
9·5		47·4	8·1	
9·5	57	48·9	48·5	
25pr.	+1	25·5	−7·5	

3781—3840.

mag.	13ʰ.–14ʰ. m	s	—30° ′	
8·8	57	54·9	18·9	8·5 –
9·1	58	45·4	49·9	9·5
9·2	59	31·9	14·0	
9·0		39·4	10·0	
8·7		45·4	30·1	8·0 a
7·7		52·4	48·1	7·5 G≥
8·2	0	6·4	59·5	8·0 G=
9·4		21·9	28·5	9·0
9·3		22·4	23·7	9·0
9·1	1	32·9	19·5	
8·4		51·4	28·8	8·5 G=
9·5	2	9·4	51·4	
8·3		15·9	16·4	8·0 a
9·5		31·4	13·5	
9·3		53·4	46·0	
7·2		58·4	1·7	7·0 GSb–
8·8	3	23·7	22·0	9·5
9·0		24·7	34·7	8·5 –
9·0	4	4·2	31·3	9·0
9·5		37·7	19·9	
9·0		43·2	50·2	
9·2		52·2	25·7	
9·5	5	33·2	52·8	
7·9		43·2	38·9	8·0 a
9·5	6	18·7	22·0	
7·6	7	25·7	27·7	7·0 GSa
8·6		32·7	34·4	8·0 a
9·5		48·2	15·4	
9·0		58·2	13·2	
9·5	8	12·2	7·7	
9·3		21·7	36·9	9·0
8·4		47·2	41·6	8·5 a
9·5	9	16·7	56·1	
9·5		18·2	9·1	
9·5		23·2	44·1	
8·4		26·2	22·6	8·0 G–
9·7		54·0	47·7	
8·6	10	11·5	45·6	–
9·7		19·5	8·5	
8·6		31·8	27·1	8·5 b
9·7		41·7	3·4	
8·9	11	30·1	42·2	8·5
8·7	12	24·6	47·0	9·5
9·3		27·1	23·8	
8·7		43·1	18·0	9·5
9·1	14	2·1	44·8	
9·4		16·1	18·6	9·0 G
9·4	15	6·6	23·2	
9·2		23·4	1·7	
9·6		33·1	56·6	
9·1		43·1	29·0	9·5
9·3		56·6	23·1	9·0
9·6	16	25·6	0·3	
9·2		33·1	22·1	
9·1		36·6	10·4	8·5 G
9·6		40·1	44·3	
8·7	17	10·1	34·8	9·0
8·6		23·1	39·7	9·0 –
8·4		41·6	14·0	7·5 Ga
8·3	18	14·6	17·8	8·0 a
	+1	27·3	−7·1	

3841—3900.

mag.	14ʰ. m	s	—30° ′	
8·7	18	26·1	56·0	8·2 Ga
9·7	19	57·1	24·0	
9·0	20	19·6	1·4	9·0
8·8		51·1	36·7	8·5 =
9·0	21	15·1	29·2	8·0 –
9·1		18·1	42·0	
9·7		31·6	56·5	
9·6		40·1	6·4	
9·7	22	23·1	51·5	
9·4		33·1	31·8	
9·3	23	1·1	55·6	
9·2		6·6	53·7	
9·2		54·6	53·2	
9·7	24	19·1	19·2	
9·0		26·6	21·6	
9·3		27·6	54·8	9·0
9·0		28·3	59·8	8·5 =
9·1		30·1	38·6	
9·7	25	0·1	20·2	
7·6		46·1	9·7	6·5 GSa
9·2		50·1	19·6	9·5 G
8·6		54·1	20·3	8·3 G
8·9		56·1	25·0	8·3 G–
8·8	26	33·1	4·0	8·5
9·6		38·1	3·5	9·0
9·3	27	0·6	8·3	9·2
9·7		8·1	51·7	
9·2		33·1	48·3	9·0
9·6	28	9·6	32·7	
9·2	29	13·1	38·3	
8·2		13·1	29·3	8·5 Ga
9·6		17·1	59·4	
9·6		20·1	54·0	
9·4		46·6	43·8	
9·0	30	18·6	24·7	9·5
9·0		43·1	10·5	9·0 a
9·1	31	0·1	18·8	9·0
9·6	32	3·1	26·0	
9·2		8·2	57·8	
9·1		9·1	53·4	
8·4		30·6	15·8	9·0 a
9·1	33	22·6	30·9	
7·0	34	24·1	23·7	6·5 GSbt
9·7		29·3	37·9	
9·6		30·8	8·9	
9·9		36·5	56·2	
8·8		53·5	53·3	8·8 =
9·6	35	17·0	32·0	
9·9		23·0	2·3	
9·9		58·5	13·0	
9·9	36	34·2	54·5	–
8·5		37·5	16·0	8·5 –
8·6		41·0	20·5	9·0
9·4	37	41·5	49·1	
8·2	38	42·5	26·3	8·8 a
9·5	39	7·5	18·7	
8·6		14·5	56·1	10·0
9·8		39·5	54·5	
9·6	40	17·0	17·8	
9·9		45·5	57·0	
	+1	28·7	−6·7	

3901—3960.

mag.	14ʰ. m	s	—30° ′	
9·9	40	50·2	41·6	
8·3		51·5	52·6	8·5 a
9·6	41	2·5	36·3	
9·8		3·2	2·2	9·5
9·8		54·5	4·4	
9·8		55·0	29·8	
8·5	42	16·5	50·4	9·0 =
9·9		17·0	6·1	
9·8		20·5	18·5	
9·6		22·5	18·2	
9·2		56·0	25·2	
9·8	43	59·0	37·5	
9·0	44	11·0	21·9	9·0
8·2		11·0	21·4	8·5 =
9·9		43·5	8·5	
7·3	45	6·5	3·8	6·8 GSat
9·0		8·0	57·9	
8·5		19·5	31·6	8·5 Ga
9·5		29·5	50·5	
9·8		34·8	9·1	
9·0		38·6	57·9	
9·6		44·3	13·6	
9·3	47	0·3	20·1	
9·4		9·8	8·0	
9·6		20·8	25·0	
9·9		32·8	24·3	
8·8		53·8	54·6	8·0 Ga
8·8	48	6·3	40·2	9·0
9·0		27·3	34·6	8·8 a
8·5		49·3	22·1	8·5 Ga
9·4	49	13·3	3·1	
9·9		50·8	25·6	
9·6	50	1·3	51·7	
8·5		37·5	58·8	9·0 =
9·5		40·8	20·9	
9·4	51	27·3	7·2	
9·0		37·1	39·5	
9·3		45·6	2·5	
7·1		57·1	12·4	7·6 GSat
8·8	52	40·1	42·2	9·0 a
9·4	53	11·6	28·3	
9·5		15·1	56·1	
9·6		31·1	35·3	
9·6		57·6	39·3	
9·9	54	4·1	0·8	
9·6		10·1	13·1	
9·9		44·6	46·9	
9·0	55	17·1	19·4	
9·5		41·1	57·3	
9·6		51·6	5·5	
8·3		56·6	53·0	8·5 G≡
9·0	57	6·6	2·0	9·0 b
9·4		14·5	20·4	
9·2		17·1	47·2	9·0 G–
9·9		29·6	18·2	
9·3		31·6	30·7	
7·3	58	0·6	4·0	7·0 GSat
9·3		30·3	29·1	
9·8		35·5	28·6	
9·3		48·1	37·1	
	+1	30·0	−6·2	

3961—4020.

mag.	14h.–15h. m	s	−30° ′	
7.0	58	58.8	25.9	6.5 GSa
9.8	59	9.0	50.4	
9.8		15.0	42.2	
9.5		19.0	18.6	
9.5		21.0	32.8	
9.9		26.0	45.8	
9.6		53.0	3.1	
9.8		54.0	6.9	
9.9	0	19.0	21.0	
9.6		24.0	23.9	
9.6		27.5	11.9	
9.4		41.8	59.0	
9.6	1	26.0	29.3	
9.8		29.5	28.1	
8.0		30.5	12.0	8.3 a
9.6		48.5	8.4	
9.6	2	3.0	25.1	
9.6		4.0	14.2	
9.9		24.5	27.1	
9.9		34.5	0.0	
8.8		40.0	50.9	9.2 =
9.8		50.5	29.4	
9.7		51.5	6.5	
9.8	3	10.5	7.2	
9.8		14.0	27.8	
9.4		18.5	31.1	
9.8		23.5	19.6	
9.5		27.0	59.1	
9.4		27.5	39.8	
9.8		33.5	24.2	
9.9		39.5	52.6	
9.0	4	11.3	58.9	–
9.6		25.5	22.8	
7.6		32.5	24.4	8.0 Ga
9.9		38.5	9.5	
9.4		50.2	40.2	
8.8		52.7	21.2	9.0 a
8.6		53.2	18.6	9.0 a
9.8	5	1.2	50.6	
9.9		7.2	48.4	
9.9		19.7	58.0	
8.5		24.7	16.5	9.0 a
9.4		36.7	16.3	
9.9		40.2	26.5	
8.8		47.7	14.1	9.0 a
9.8	6	1.2	13.8	
9.9		15.2	47.1	
9.1		19.2	44.3	
9.6		20.2	50.0	
9.8		20.7	21.2	
9.8		25.7	30.5	
9.6		40.2	27.0	
9.5	7	3.2	28.1	
9.4		7.2	23.7	
9.9		14.2	35.6	
9.8		27.4	59.5	
8.6		36.7	30.5	9.0 —
8.7		52.7	41.6	9.5
9.2		55.2	10.5	
8.8	8	0.7	13.9	a
25pr.	+1	30.9	−5.8	

4021—4080.

mag.	15h. m	s	−30° ′	
9.9	8	6.7	38.8	
9.8		9.2	16.1	
8.2		27.2	15.8	8.5 a
8.6		32.2	6.8	
9.7		34.2	6.2	
9.9		36.2	8.8	
9.9		59.2	4.7	
9.6	9	0.2	36.4	
9.5		19.2	32.1	
9.8		19.2	49.9	
9.9		19.2	3.1	
9.8		27.2	46.0	
9.1		30.2	34.9	
9.3		45.2	47.5	
9.9		52.7	0.4	
8.4		58.9	59.9	8.3 =
9.8		59.7	41.1	
9.9	10	2.9	47.9	
9.5		3.4	9.3	
9.2		5.4	44.4	
9.3		8.4	20.4	
8.6		19.4	1.0	8.5 Wa
9.9		19.5	58.8	
9.0		30.6	1.2	9.0
9.9		42.9	28.9	
9.8		48.4	10.0	
9.4	11	0.4	32.7	
7.7		1.4	45.0	7.0 GSa
9.8		4.4	20.3	
8.9		9.4	21.9	Wa
9.5		10.4	21.2	
9.8		14.4	54.2	
9.6		31.4	40.8	
9.9	12	11.3	58.9	
9.5		20.9	17.0	
9.8		21.4	51.1	
9.8		22.5	22.5	
9.7		25.4	31.6	
8.6		33.4	22.8	8.5 G≡
9.9		48.5	59.2	
9.5		51.8	57.9	
9.0		59.9	30.6	
9.9	13	25.9	3.6	
9.8		33.4	51.0	
9.5		35.4	46.3	
9.7		45.4	25.2	
9.0		45.4	19.5	a
9.5	14	1.9	28.5	
9.6		5.4	17.7	
9.6		8.4	50.5	
9.9		9.9	20.5	
9.8		11.9	29.5	
9.5		15.4	24.9	
9.6		15.9	5.1	
9.7		21.4	50.9	
9.4		25.9	34.0	
9.9		36.4	8.8	
9.9		38.9	53.2	
9.4		41.2	0.0	9.0
9.6		42.5	24.2	
	+1	31.4	−5.6	

4081—4140.

mag.	15h. m	s	−30° ′	
9.8	14	43.0	8.8	
9.6		45.5	19.7	
9.4	15	0.5	10.4	
9.8		4.6	49.8	
9.6		12.5	16.2	
9.9		15.5	36.2	
9.5		17.0	32.2	
9.8		25.0	50.8	
9.9		44.2	58.4	
9.6		45.7	59.9	
9.0		55.5	11.0	–
9.4	16	5.5	47.2	
9.1		27.5	34.8	
9.7		33.0	4.2	
9.6		46.5	16.6	
9.1	17	1.5	13.0	
9.7		6.5	2.4	
9.6		24.5	13.8	
9.6		28.0	24.8	
9.0		42.0	8.4	9.2
9.9	18	13.0	46.0	
9.1		21.7	1.5	–
9.5		23.0	5.8	
9.2		29.5	20.1	
9.9		31.5	31.8	
8.0		45.0	52.7	7.3 G≡
9.7		50.0	4.3	
9.4	19	4.5	12.7	
9.9		35.0	13.9	
9.2	20	0.0	10.3	
9.8		20.5	12.1	
9.7		21.0	7.8	
9.9		37.3	58.2	
9.9		38.7	32.0	
9.5		43.5	43.3	
9.1		44.0	8.5	9.5
8.8		54.5	39.7	
9.6	21	0.5	54.3	
8.9		1.7	51.6	8.2 b
9.7		12.5	11.9	
9.9		29.5	46.0	
9.9		33.5	31.2	
9.8		38.5	23.9	
9.5		41.5	57.9	
9.7		51.5	47.9	
9.5		57.5	37.3	
9.9		58.5	39.0	
9.9	23	9.5	4.7	
9.8		9.5	40.5	
9.2	24	1.5	37.1	9.0
9.4		3.5	38.1	9.0
8.3		37.0	42.8	8.5 a
9.7	25	24.8	14.2	
9.7		30.0	56.4	
9.7		46.0	42.9	9.5
8.2	26	12.0	35.6	7.8 G=
9.7		16.0	53.9	
9.4		37.8	21.4	9.2 a
9.7		58.8	46.9	
9.7	27	36.8	26.9	
	+1	31.9	−5.4	

4141—4200.

mag.	15h. m	s	−30° ′	
9.4	27	56.5	26.9	
9.0	28	35.5	9.6	9.2 G–
9.6	29	16.5	23.7	
9.2		16.8	0.1	10.0
7.8	30	7.0	50.1	7.7 G=
9.7		29.5	34.2	
9.6		36.8	25.6	
9.2	31	7.5	23.0	
9.7		37.0	4.2	
8.8	32	0.5	40.2	
8.4		2.0	31.5	8.5 =
8.0		13.5	58.6	8.2 –
9.6		26.0	11.7	
9.4		26.5	24.9	
8.6		27.5	19.5	8.5 =
8.0		30.5	48.2	7.0 GSbt :
9.7		44.0	26.2	
9.6	33	20.7	6.5	
9.4		27.5	3.8	9.0
9.7		33.0	50.0	
8.4		40.5	47.2	8.0 –
9.4		45.5	41.8	
9.7		51.0	3.5	
9.6	34	13.5	18.8	
9.1		15.5	19.2	8.5 =
9.7		27.0	54.0	
9.7		28.7	32.7	
9.7		35.5	28.2	
9.6		46.0	40.9	
9.7		53.0	5.9	
9.0		53.5	5.5	9.5
9.7	35	6.5	41.0	
8.8		16.0	44.3	
8.8		20.0	41.3	
9.0		23.0	51.6	9.0
7.5		42.5	8.1	7.8 GSb≥
9.0	36	15.5	39.4	–
8.1		22.5	18.7	7.8 GS≥
9.2		23.0	22.1	9.0
9.4		56.0	1.0	a
7.8	37	2.5	17.2	7.8 GSb≡
9.4		9.5	27.2	
9.7		9.7	5.0	
9.7		21.0	33.2	
8.9		40.0	45.4	9.5
9.6		48.7	28.1	
9.4		53.5	34.2	
9.6		54.5	9.3	
9.6	38	3.0	10.7	
9.7		3.0	35.0	
9.2		17.0	50.6	
9.7		28.5	1.2	
9.4		33.5	30.2	
8.7		43.5	16.0	
9.7		44.5	4.8	
9.7		48.7	49.0	
8.1		56.8	29.9	8.5 a
8.6	39	25.3	24.4	9.0 a
9.2	40	12.8	35.7	9.0 a
9.6		14.6	56.9	
	+1	32.7	−4.9	

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4201—4260.

mag.	15h. m s	—30° ′	
9·6	40 32·8	15·5	
9·4	32·8	35·1	10·0
9·7	44·8	8·1	
9·7	41 15·8	39·6	
9·7	25·3	34·1	
8·6	42·8	41·1	8·0 Ga
8·3	44·3	52·5	8·5 a
9·6	56·3	23·5	
8·8	42 13·8	6·0	9·0
9·6	41·3	50·1	9·0
9·0	46·3	45·4	
8·7	56·8	14·1	8·5 ≡
9·7	43 1·0	29·6	
9·7	15·3	54·2	
9·7	22·3	51·9	
8·9	33·3	13·2	
8·1	46·3	19·3	8·0 ≥
8·6	59·8	50·7	9·0
9·7	44 16·8	22·5	
9·6	24·3	43·1	10·0
9·7	28·3	22·1	
9·7	32·8	35·6	
9·7	33·0	40·3	
9·7	45 3·3	40·1	
9·7	9·3	31·4	
7·5	25·8	24·1	7·5 GSb≥
9·7	46·0	33·2	
9·7	51·8	27·1	
9·7	46 13·8	32·9	9·5
9·2	15·3	23·2	
8·1	41·3	3·2	8·1 G≡
9·5	48·6	12·3	
10·0	50·9	19·4	
9·4	47 20·1	40·7	9·5
7·6	42·1	42·8	6·8 GSbc
10·0	48 12·1	26·0	
9·6	36·6	34·1	
8·6	47·6	15·7	9·0 a
9·2	49 8·1	54·2	
9·5	11·8	35·0	a
9·6	11·8	4·9	
9·6	18·8	21·4	9·0 a
8·3	29·8	25·2	8·2 Ga
9·5	33·8	3·3	9·0
8·8	35·8	46·6	
8·7	50 14·8	6·9	9·1 –
9·4	47·1	4·8	9·8
9·4	49·6	28·5	
8·4	52·6	21·7	8·0 Ga
9·8	53·6	31·9	a
10·0	58·6	9·0	9·2 G
8·2	51 31·1	7·9	8·1 ≡
7·0	52 2·6	48·4	7·0 GSat
8·8	16·1	18·5	–
10·0	29·1	48·2	9·2
9·4	44·1	50·7	
9·5	52·6	41·0	
10·0	54·6	0·5	
8·6	53 16·1	13·1	a
10·0	32·1	15·6	
25pr.	+1 33·2	−4·6	

4261—4320.

mag.	15h.–16h. m s	—30° ′	
10·0	53 50·6	22·6	
9·0	54·6	33·7	9·5 Ga
8·8	54 11·1	21·1	9·0 a
9·4	23·6	24·3	
8·8	54·6	18·8	9·0 b
10·0	56·6	50·9	
9·6	55 2·1	31·4	
7·8	2·6	35·3	GSa
10·0	4·9	37·7	
9·1	45·4	38·1	9·5
10·0	56 6·0	0·4	
9·6	57 3·9	48·3	
10·0	31·9	8·4	
9·2	43·4	55·2	
10·0	50·4	18·0	
9·4	58 12·4	51·2	
10·0	18·9	42·7	
9·4	38·9	49·2	
9·2	48·4	35·6	
10·0	59 8·4	24·1	
10·0	10·4	57·3	
10·0	25·4	21·7	
9·2	32·4	4·5	9·0
8·2	49·4	13·5	8·0 G–
9·6	52·9	34·2	
7·8	59·9	16·3	8·0 =
8·2	0 0·4	22·4	8·8 –
9·2	36·4	47·2	
10·0	1 19·9	59·6	
9·0	26·9	43·7	
10·0	27·9	11·6	
7·5	36·4	43·0	7·5 GSac
9·2	40·4	13·7	
9·2	2 1·9	54·5	8·5
9·4	1·9	5·3	
8·2	33·9	12·0	8·8 ≥
9·8	3 8·0	58·3	
10·0	8·9	10·9	9·5
10·0	17·4	55·6	
8·1	23·4	24·5	8·5 a
10·0	44·9	19·6	
9·5	4 7·9	47·9	
9·4	17·4	32·6	9·5
9·4	32·3	36·6	10·0
9·5	37·8	32·2	9·0 a
10·0	56·3	53·5	
9·0	5 0·8	28·4	9·5 Ga
9·0	10·8	11·8	
9·2	18·8	49·3	
10·0	21·0	39·3	
10·0	42·8	1·7	
8·6	52·3	9·7	9·0 a
10·0	53·8	17·2	
10·0	6 16·3	59·6	
9·8	17·8	19·0	
10·0	7 20·8	1·4	10·0
10·0	8 0·8	11·1	
9·2	3·3	22·8	
9·6	5·8	48·6	9·0
7·8	12·3	18·2	8·0 GSac
	+1 33·9	−4·1	

4321—4380.

mag.	16h. m s	—30° ′	
9·1	8 27·8	23·0	9·5
9·1	53·0	34·0	9·0
9·9	9 6·2	11·2	
9·9	47·7	12·1	9·5
9·9	52·2	50·8	
9·7	56·0	58·9	
9·3	10 2·7	10·2	10·0
9·1	23·2	38·8	
9·0	43·2	49·0	–
9·0	11 2·2	38·9	=
8·2	3·2	11·4	8·2 W≥
8·3	13·2	7·1	8·2 Wa
8·6	20·2	19·0	8·5 –
9·3	23·7	23·6	9·0
8·0	38·2	35·6	GS=tπ
7·0	39·0	36·0	6·0 GStπ
9·9	45·5	54·1	
9·9	58·0	14·7	
9·9	12 10·0	49·6	
9·8	16·0	27·0	
9·8	33·0	39·4	9·0
9·6	38·0	52·0	
9·0	13 11·0	3·1	9·0
8·6	14 26·5	57·1	8·0 G≡
8·1	33·5	53·0	8·0 G≡
9·8	35·5	39·8	
9·1	39·5	28·8	9·0
9·9	50·5	49·6	
8·5	59·0	27·8	8·5 G=
9·7	15 0·0	46·8	9·0
9·1	1·0	46·5	
9·9	25·0	38·7	
9·6	16 19·0	24·8	
9·2	22·0	53·1	9·5
9·1	25·0	44·6	9·5
9·0	30·0	44·6	9·5
9·1	37·5	11·3	
9·3	50·0	55·7	
9·1	17 12·5	21·2	
9·9	13·0	56·0	
8·8	16·0	30·3	9·0 –
9·9	18·5	31·1	
9·8	30·0	48·3	
8·6	18 1·5	9·2	8·5 G=
8·3	5·4	56·7	8·5 G=
9·6	14·0	50·9	9·5
9·4	19·5	6·9	
9·1	22·0	57·0	9·2
9·6	23·0	54·9	
9·9	47·0	18·0	
9·0	54·2	56·8	9·0 –
9·6	19 3·0	20·7	
9·4	3·0	50·8	9·0
9·4	18·0	4·2	
9·9	21·0	58·6	
9·2	25·0	34·4	
9·0	20 6·5	44·6	9·0 –
8·8	26·0	50·6	8·5 =
9·3	40·0	23·8	
9·0	53·0	28·4	
	+1 34·4	−3·7	

4381—4440.

mag.	16h. m s	—30° ′	
9·1	20 58·7	0·1	9·5
9·9	21 17·0	37·2	
9·9	24·0	3·5	
9·2	24·5	40·8	
9·9	26·0	4·7	
9·0	28·5	31·3	
9·1	22 1·0	44·1	≡
9·3	11·0	36·6	9·0
9·2	38·5	50·9	
9·9	23 33·0	43·0	
9·9	38·0	38·3	
9·7	24 4·0	36·3	
9·6	9·5	53·8	
9·9	10·6	36·1	10·0
9·3	14·5	30·7	9·5
9·2	14·5	49·0	
9·0	38·0	47·0	
8·4	55·0	36·3	8·5 –
9·2	59·0	27·4	
9·1	25 12·0	9·7	
9·9	15·0	30·0	
9·9	41·0	9·1	
9·9	51·0	40·0	
9·9	52·0	37·5	
9·9	26 26·5	43·2	
9·8	26·5	54·5	
9·9	27 29·0	37·8	
8·6	35·5	0·5	9·0 ≡
8·4	28 23·5	49·7	≥
9·8	32·0	49·6	
8·6	42·0	19·5	–
9·8	50·6	1·0	
9·1	29 1·0	30·8	
9·2	2·0	12·7	
9·6	12·0	19·0	
9·9	17·0	9·3	
9·9	18·0	44·6	
9·2	42·5	41·8	
9·8	30 16·5	9·3	
9·8	27·5	7·2	
9·9	33·0	20·5	10·0
9·1	33·7	50·7	
9·9	31 8·7	44·0	
9·3	10·7	48·8	
7·8	25·7	12·8	7·5 GSb
9·9	28·7	18·0	
9·4	43·7	55·8	
9·1	44·7	19·9	
9·7	32 15·7	55·4	
9·0	16·2	33·3	9·0
9·2	19·7	52·4	9·5
8·6	46·0	35·0	8·0 a
9·7	48·7	19·8	
8·8	33 3·0	8·5	
9·9	21·2	7·5	
9·0	37·0	20·6	9·0
9·2	50·7	12·4	8·8
9·6	34 5·2	15·9	8·5 G–
8·3	10·3	17·1	7·5 GSa
9·8	11·2	23·9	
	+1 35·0	−3·2	

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4441—4500.

mag.	16h. m	s	—30° '	
9·8	34	15·7	21·5	
9·2		22·8	45·4	
8·4	35	14·4	9·3	9·0 W
7·8		35·1	59·2	7·5 GSbc
10·0		48·9	56·2	
8·9	36	1·9	33·2	
8·8		4·3	1·4	a
9·2		12·5	46·2	8·0 ≥
10·0		26·0	2·1	
9·6		31·0	53·5	9·2
10·0		40·0	7·0	
9·6		41·5	47·9	
9·8		47·7	31·9	
9·4		49·0	39·5	
9·6		57·0	9·6	9·0
10·0	37	8·5	38·1	
10·0		11·5	32·0	9·5
7·9		22·0	34·3	7·0 GSac
10·0		33·0	2·7	9·5
9·2		37·0	18·9	
9·2		42·5	48·4	9·5
10·0		50·5	11·8	
9·6	38	6·0	55·1	
9·1		36·5	2·4	
10·0		40·8	23·3	
9·8		42·0	51·0	
9·2	39	0·0	46·0	8·5 =
9·5		8·0	4·4	
9·8		13·0	54·1	
9·8		32·5	21·1	9·5
10·0		53·5	25·1	
10·0	40	1·0	7·5	
9·2		17·0	50·9	
10·0		19·5	49·8	
7·0		26·0	58·8	7·0 GSbc
8·8		31·5	13·3	9·0
8·0		32·0	8·4	8·0 Ga
9·2		44·0	17·9	8·5
9·5	41	11·5	16·4	
8·8		13·0	33·3	=
10·0		17·0	30·1	
9·2		44·7	59·1	
9·1		55·0	27·3	8·5
9·4	42	14·5	37·9	
9·4		21·0	47·4	
9·1		26·0	37·9	8·5
8·6		34·8	2·2	8·8 W−
9·8		56·0	23·9	
10·1	43	7·0	42·9	
8·6		14·0	27·2	8·0 a
9·2		37·5	18·1	
10·0		43·7	2·4	9·5
9·1		51·7	9·5	9·0 W
9·0	44	3·5	59·0	=
9·2		13·7	49·1	
8·8		31·7	33·1	
8·4		45·7	28·9	8·8 −
10·0		55·7	32·3	
10·0	45	3·7	54·5	
9·6		8·5	25·7	
25pr.	+1	35·3	−2·9	

4501—4560.

mag.	16h. m	s	—30° '	
7·4	45	10·7	13·1	7·5 GWa
9·6		22·2	36·8	
9·6		24·8	3·0	
10·0		29·7	1·8	
10·0		36·2	4·5	
10·0		41·2	42·8	
8·2		45·7	11·8	8·0 GWa
9·8		53·7	3·1	
8·2	46	7·7	32·6	7·5 GS=c
9·6		15·2	0·1	
9·8		17·2	9·1	
8·8		28·2	30·7	8·0 GS=
10·0		30·2	26·2	
10·0		31·7	34·4	
10·0		33·2	12·1	
7·2		37·7	22·7	6·8 GStπ
10·0		41·7	28·8	
10·0		42·7	13·1	
8·2		46·7	46·2	7·5 GSac
9·6	47	1·7	15·9	
9·0		39·7	26·5	
10·0		49·7	53·2	G
10·0	48	1·2	56·4	
10·0		9·2	52·9	G
9·8		11·2	7·0	9·2 W
10·0		29·2	3·2	
8·8		37·7	46·3	
9·2		40·2	22·6	Wa
9·4	49	11·2	9·2	W
10·0		24·7	21·0	
10·0		31·2	4·0	
9·4		37·7	53·2	
8·2	50	9·7	1·2	8·2 W≡
9·2		20·7	14·0	
9·6		22·2	6·3	
10·0		32·2	2·0	
8·4		35·7	38·8	8·0 ≥
8·8		57·7	41·4	9·5
8·2	51	15·5	59·9	9·0 ≡
9·2		32·2	32·4	
10·0		41·0	44·2	9·5
8·6	52	15·7	17·0	9·0 −
9·4		21·7	38·0	
8·2		25·7	3·0	8·5 Wa
9·2		41·2	32·1	
8·6		47·7	19·2	9·0 ≡
8·9		55·2	27·4	9·5
9·6	53	13·2	14·1	
8·2		33·2	33·4	9·0 ≡
7·8		49·7	35·4	8·0 S≥
9·2		51·7	6·8	9·2
8·7	54	9·2	28·0	8·5 ≡
9·2		9·7	4·0	10·0
8·7		15·7	50·9	9·5
9·6		17·2	58·2	
9·2		27·7	26·0	9·5
8·9		45·7	14·0	
7·9		49·2	52·6	8·5 ≡
8·4	55	21·7	27·4	9·0 −
10·0		25·2	37·0	
	+1	35·6	−2·5	

4561—4620.

mag.	16h.–17h. m	s	—30° '	
9·0	55	42·2	35·2	
9·8		46·0	29·4	
9·4	56	5·2	36·2	
9·4		11·2	28·5	
9·8		18·7	21·6	
10·0		30·0	54·1	
8·8		40·2	1·2	9·0
8·7		42·2	59·8	9·5 −
9·6	57	4·2	11·1	
10·0		10·2	24·0	
9·6		45·2	38·6	
10·3	58	14·4	18·1	
9·8		20·9	2·8	
9·7		24·4	33·7	
9·6		36·4	26·3	
8·9		38·9	2·3	9·2
10·0	59	5·4	33·7	9·5
9·4		14·2	57·7	9·0 =
9·5		27·4	29·0	8·5 −
9·5		29·9	22·3	9·5
8·9		34·4	25·3	9·0
9·1		41·4	7·9	9·5
7·8		42·4	54·4	7·5 GS≥
10·3	0	2·4	58·0	9·0
9·7		35·4	9·9	
8·9		49·4	42·7	
7·0		49·4	14·2	6·0 GSbc
10·1		52·4	0·2	
10·0	1	1·9	26·0	
8·9		6·4	19·4	9·5
9·6		8·9	39·8	
10·1		20·9	31·1	
10·3		29·9	49·2	9·5
8·0	2	4·9	40·4	7·5 Ga
9·0		11·9	24·6	
9·8		13·4	10·4	
9·8		20·7	59·2	
8·9		20·9	48·4	8·5 =
10·3		21·4	14·0	
9·2		42·3	56·2	9·5
10·1		44·3	25·4	
10·3		44·3	20·0	
9·7		44·3	50·1	
10·3		56·3	11·2	
10·2	3	18·3	32·4	
10·0		27·8	29·4	
10·3		37·8	39·3	
10·3		37·8	41·0	
8·8		54·8	16·4	9·0 a
9·5	4	3·8	59·4	
10·3		4·3	43·0	
10·1		6·3	3·0	
9·7		7·8	37·0	8·5 ≡
10·3		16·8	51·3	
8·8		20·8	20·0	9·0 ≥
8·8		30·8	53·2	−
9·8		56·8	46·4	
10·3	5	6·3	34·8	
9·1		14·3	51·0	10·0
9·4		22·3	22·8	9·5
	+1	35·8	−2·1	

4621—4680.

mag.	17h. m	s	—30° '	
10·0	5	56·8	16·0	
9·8	6	28·3	11·6	
9·7	7	14·3	22·6	
9·4		16·3	23·3	8·0 a
8·6		30·3	7·2	8·5 GWb
9·6		34·3	58·2	
10·1		43·3	14·1	
6·6		52·8	3·8	6·5 GSac
10·3		53·3	12·7	
10·0		55·3	25·9	
10·3	8	13·8	7·8	
10·3		24·3	51·8	
10·2		27·3	41·2	
10·0		53·3	21·4	
7·8		54·3	12·6	7·5 GSac
8·8	9	0·8	12·0	9·0 W
9·7		5·3	37·4	=
9·8		7·3	32·0	
9·8		19·0	4·4	
10·3		19·3	22·0	
7·9		22·1	1·5	7·5 GSa
9·6		27·3	17·0	9·0
9·0		28·8	34·4	
10·0		35·8	52·0	
8·8		42·0	37·7	8·5 =
10·3		42·5	13·4	
10·0		50·9	58·9	
10·0		54·5	49·0	
10·0	10	0·5	43·3	
9·2		14·0	17·9	9·0
10·3		15·5	13·0	
9·7		25·5	26·1	9·0
10·3		31·0	49·6	
9·8		32·5	26·3	
10·0		45·3	59·7	
10·3		52·8	38·3	
9·2		57·0	3·7	9·5
7·9		57·3	58·6	8·5 b
10·2	11	12·8	13·5	
10·0		20·0	46·0	
9·4		24·0	6·1	9·5
10·0		24·5	11·0	
9·8		43·8	0·8	
8·7	12	0·5	17·6	9·0
10·3		44·5	14·3	
10·1		46·5	57·1	
9·5		51·0	18·0	
9·5		52·0	9·5	9·0
10·2	13	4·0	58·5	
9·6		10·5	59·7	9·2 −
9·5		24·0	48·7	
9·5		24·0	55·0	9·2
10·1		29·5	4·0	
10·3		32·0	53·1	
10·3		33·0	9·8	
10·3		36·0	52·0	
10·3		36·5	21·0	
10·3		41·5	4·9	
10·3		48·0	15·4	
10·3		48·0	20·4	
	+1	36·0	−1·8	

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4681—4740.

mag.	17h. m	s	—30° ′	
7·7	14	9·0	22·3	GSb
9·8		11·0	27·1	
8·3		25·5	4·6	8·5 Ga
10·2		30·5	47·0	
9·8		34·0	44·3	
9·8		35·0	50·0	
9·6		47·6	30·3	
9·1		50·6	47·9	9·5
9·8		53·1	32·8	
9·8		56·1	5·4	
9·6		56·6	55·7	G
10·2	15	16·1	47·4	
9·5		22·6	20·0	
9·2		23·1	43·0	
9·2		36·6	56·4	9·0 G=
8·8		39·6	16·6	
10·0		46·6	46·9	
10·3		52·6	28·4	
10·3		54·1	11·9	
9·4	16	0·6	32·0	
9·4		3·1	27·1	
8·6		27·1	24·5	8·5 Wb
9·8		29·1	0·9	
9·8		33·0	0·1	
9·2		38·6	58·9	
9·8		42·1	30·0	
10·3		45·1	12·1	
9·8		46·1	29·9	
10·3		46·6	37·8	
10·2		59·6	9·7	
9·8	17	5·6	33·6	
10·1		21·6	1·4	
10·2		26·6	33·4	
9·6		28·1	4·1	
9·4		29·6	52·3	
9·0		33·6	54·2	
8·8		39·6	36·3	9·5 –
10·3	18	2·6	34·0	
10·3		3·6	7·4	
10·3		29·6	5·8	
10·0		38·6	11·0	
9·5		46·1	1·3	
10·2		52·8	58·9	=
10·3	19	0·1	16·4	
9·8		4·1	49·9	
10·3		6·4	29·7	
10·3		15·4	4·1	
10·1		18·5	34·0	
10·2		18·5	5·1	
9·8		18·9	19·3	
10·3		21·9	8·1	
10·0		22·5	24·5	
10·3		36·4	42·8	
9·5		38·4	17·3	
9·7		46·9	43·5	
9·6		47·3	0·2	
10·1		51·9	1·0	
10·3		53·0	57·7	
9·2	20	0·4	25·3	
9·1		3·4	15·5	
25pr.	+1	36·1	– 1·6	

4741—4800.

mag.	17h. m	s	—30° ′	
10·2	20	6·4	57·8	
8·8		16·9	42·3	9·5 –
10·3		25·9	4·2	
8·8		33·9	48·8	9·0
9·2		40·9	4·7	
7·8		42·4	49·5	8·0 ac
10·2		43·9	47·7	
9·8		56·9	55·0	
9·7	21	0·4	38·3	
9·4		8·4	29·9	
9·6		16·4	54·9	
10·3		16·4	2·7	
9·7		21·9	24·9	
10·2		23·6	30·1	
10·3		35·1	13·9	
9·8		40·6	45·9	
9·6		47·4	13·8	
10·1		48·9	30·3	
9·7		56·4	29·6	
10·2		59·0	50·9	
10·3	22	5·9	52·9	
10·1		7·1	45·0	
8·7		11·9	9·3	9·2 a
9·8		24·4	48·5	
9·7		24·8	3·1	
10·0		29·3	18·8	
10·3		40·5	51·1	
10·3		51·6	50·9	
9·0		56·2	8·1	
10·2	23	5·7	36·8	
10·2		8·2	13·3	9·0
9·2		16·2	13·3	9·5
9·4		26·2	27·8	
9·9		27·7	45·4	
10·0		28·5	17·8	
8·8		35·2	11·7	8·5 a
8·2		35·2	8·9	8·2 a
10·0		47·2	38·1	
8·2		55·2	18·2	8·5 a
10·0	24	4·2	20·4	
8·2		17·2	21·7	8·5 a
10·2		24·1	1·5	10·0
10·2		34·2	14·4	
9·2		34·7	1·5	9·0
10·2		40·7	23·5	
10·2		43·7	15·3	
9·7		54·2	49·1	
8·2		58·2	16·8	8·0 Ga
9·9	25	2·7	54·3	
10·0		14·2	17·0	
9·8		17·7	20·3	
10·0		22·8	11·1	
10·2		23·7	57·3	
10·0		27·7	10·7	
9·5		29·7	32·8	9·5
8·9		32·2	26·4	9·5
9·7		33·7	19·7	
7·7	26	0·7	19·1	7·5 Ga
9·5		3·2	17·1	9·5
9·4		3·7	48·1	
	+1	36·2	– 1·3	

4801—4860.

mag.	17h. m	s	—30° ′	
8·8	26	3·9	58·5	8·5 ≡
10·0		5·2	18·1	
10·0		7·4	19·8	
10·2		12·9	24·9	
10·2		29·4	47·1	
8·8		41·9	8·4	9·5
9·4		52·9	28·9	
9·0	27	8·4	2·5	
8·9		11·9	6·8	8·5 Ga
10·2		16·9	55·6	
10·2		19·9	30·0	
9·6		31·9	18·3	
10·2		32·4	4·0	
9·9		39·4	15·1	9·0
10·2		45·9	25·2	
9·2	28	10·4	27·3	9·0 a
9·8		15·4	34·5	
10·0		20·5	58·4	
10·0		22·9	42·4	
9·8		23·4	45·3	
10·2		37·4	3·1	
9·8		37·9	46·1	
9·9		42·9	34·7	
9·6		47·9	0·4	
9·8		53·4	2·6	
9·4	29	3·9	16·8	
10·2		7·4	43·3	
9·4		9·9	38·2	9·5
9·2		32·4	5·5	
9·6		36·9	23·6	
8·4		46·9	49·8	8·5 a
9·4		56·7	52·2	
9·7	30	36·7	22·4	
9·8		45·2	28·0	
8·7		46·9	3·3	8·8 a
10·0		55·7	30·8	
9·2	31	18·7	44·6	
10·0		34·2	4·0	
9·5		35·7	49·0	
10·2		50·7	56·2	
9·6		55·7	12·6	
10·2		56·7	27·0	
9·6		57·2	34·0	
10·0		57·7	13·2	
10·2		59·2	16·2	
10·2	32	6·7	4·0	
8·5		20·7	8·8	9·0 a
9·8		26·7	46·2	
8·8		39·2	12·7	9·5
9·2		43·2	22·2	9·0 Ga
9·2		48·7	4·5	
9·2	33	9·2	44·0	
9·3		11·4	0·6	9·2
9·8		11·8	58·0	
9·4		13·2	37·1	
10·2		20·2	49·0	
10·2		23·2	44·0	
10·2		23·4	51·4	
10·0		32·2	50·0	
9·2		37·7	57·9	
	+1	36·3	– 1·1	

4861—4920.

mag.	17h. m	s	—30° ′	
9·4	33	45·2	48·0	
9·4		46·0	58·6	
9·6		53·6	10·6	
9·6		55·1	55·7	
8·6	34	2·6	25·5	9·0 a
10·2		7·6	19·3	
9·7		20·6	45·7	
10·0		27·1	24·7	
9·6		27·2	30·1	
9·2		35·1	38·9	9·0 a
9·4		38·1	13·2	
9·7		43·6	13·1	
9·7	35	29·1	21·3	
7·9		29·1	6·9	8·2 GSac
10·0	36	2·6	53·1	
9·7		3·6	8·9	
10·2		26·7	2·9	
9·9		34·1	7·2	
10·2		36·6	30·7	
10·2		39·1	24·7	
10·2		57·1	14·1	
9·4	37	6·6	7·6	9·2
10·2		8·1	17·3	
10·2		27·1	8·3	
8·9		28·6	55·5	9·0
9·9		50·6	22·2	
9·6	38	9·5	50·8	
9·7		12·5	24·9	
9·8		24·5	22·0	
10·2		27·5	41·3	
9·9		28·5	16·8	
10·2		31·5	18·6	
9·5		57·0	20·5	
10·2	39	12·5	13·8	
10·2		12·5	44·3	
9·6		27·0	33·8	
9·8		29·5	10·6	
10·2		38·5	29·0	
10·0		50·0	39·9	
8·8		52·5	50·9	9·2 ≡
10·2		57·0	13·8	
9·9	40	3·5	12·9	
9·4		5·0	9·9	9·0 –
10·2		12·0	17·9	
10·2		17·0	27·9	
10·2		17·5	40·8	
9·5		18·0	25·7	
8·6		25·5	15·1	8·5 a
9·3		28·4	57·1	
9·3		35·2	58·1	
9·3		35·5	25·7	–
9·6		43·5	49·3	
9·8		53·5	26·9	9·5
10·2	41	3·5	25·8	
10·2		4·0	2·3	
9·7		7·0	15·9	
9·8		13·0	17·3	
9·8		14·0	24·9	
7·8		14·0	33·1	7·0 GStπ
10·2		22·0	26·4	
	+1	36·4	– 0·8	

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4921—4980.

mag.	17h. m	s	—30° ′	
10·2	41	27·0	16·4	
9·6		33·5	30·3	
9·2		34·5	6·6	
9·9		36·0	37·6	
9·8		36·0	26·0	
9·0		41·0	17·3	
9·0		46·0	50·4	8·5 —
10·2		53·5	24·9	
9·8		55·5	31·2	
10·2		56·5	25·2	
10·2		56·7	58·0	
9·9	42	0·5	26·0	
9·4		1·0	45·0	
8·7		4·5	55·0	8·0 Wa
9·6		7·0	26·0	
9·6		16·5	12·6	
9·4		23·5	23·8	
9·2		26·0	9·5	
9·5		33·5	10·9	
10·2		34·0	36·4	
9·8		35·5	13·2	
9·2		43·5	36·2	
10·2		46·5	11·9	
8·9		46·5	54·8	8·2 Wa
9·0		46·5	30·7	
10·2		47·0	0·6	
9·8		47·5	15·3	
9·8		50·0	11·4	
9·4		57·5	31·8	
10·2		59·0	44·2	
10·2	43	0·0	44·7	
8·2		0·5	55·8	8·2 Wa
10·2		7·5	34·8	
10·2		8·2	12·6	
6·8		10·2	31·1	7·5 GStπ
9·8		16·2	34·9	
9·7		16·7	5·9	
9·7		18·2	49·2	
9·7		28·2	29·7	
9·7		32·7	26·0	
9·9		33·2	10·0	
8·6		33·2	14·9	=
10·0		34·2	11·8	
9·5		36·7	49·4	
9·5		46·7	37·7	
8·8		56·7	34·5	9·5
8·7		56·7	27·5	9·0
10·2		57·7	36·1	
9·7	44	2·2	26·6	
10·2		6·7	24·8	
9·8		9·2	35·6	
9·6		11·7	7·0	=
9·8		11·7	47·1	
10·0		12·7	41·8	
9·7		17·9	0·5	
10·0		21·7	11·3	
10·2		22·7	50·2	
9·9		25·5	29·8	
8·5		27·2	11·0	8·0 a
9·4		27·7	4·5	
25pr.	+1	36·4	—0·6	

4981—5040.

mag.	17h. m	s	—30° ′	
10·2	44	34·7	18·5	
9·2		44·2	55·0	
8·6		44·5	3·5	8·8 a
9·2		46·7	31·9	
9·6		56·7	14·1	
10·2		57·5	8·6	
10·2		58·2	5·8	
9·6	45	11·7	40·0	
9·8		13·7	25·4	
10·0		15·2	47·9	
10·2		15·5	44·3	
10·2		18·7	18·5	
9·9		21·2	54·2	
10·2		27·7	56·5	
10·2		28·2	18·9	
10·2		32·7	9·3	
10·2		32·7	21·8	
10·2		33·8	16·9	
10·2		34·7	33·8	
10·2		37·2	28·4	
9·9		41·8	24·5	
10·4		43·5	25·4	
10·0		45·5	53·7	
10·2		45·8	50·1	
10·4		46·5	27·8	
10·2		49·5	15·9	
10·4		59·1	21·0	
9·8	46	1·3	30·1	
10·2		3·4	59·3	
8·8		4·3	50·2	8·8 =
8·9		6·3	11·8	
8·5		7·0	49·9	8·8 =
10·4		10·0	6·1	
9·6		12·0	11·1	
9·5		16·0	43·9	
10·0		16·5	19·5	
10·4		26·8	59·2	
10·1		38·0	32·4	
9·8		42·0	58·4	
10·1		47·0	36·1	
10·2	47	7·5	10·8	
9·8		11·0	50·8	
9·2		12·8	58·7	
9·2		13·5	34·4	8·0 =
10·4		13·5	13·8	
9·6		13·7	56·2	
9·5		16·5	50·1	
10·4		19·0	48·3	
10·4		21·0	45·1	
10·2		26·5	11·2	
10·4		26·5	29·4	
8·7		30·5	39·4	8·5
8·4		30·5	31·5	8·5
10·4		30·5	47·8	
9·2		33·5	5·0	
7·7		43·0	32·8	8·0 —
10·0		43·5	28·5	
10·2		45·5	3·4	
10·4		46·0	42·1	
10·1		46·5	32·5	
	+1	36·5	—0·5	

5041—5100.

mag.	17h. m	s	—30° ′	
10·0	47	53·5	26·1	
10·0		58·0	15·9	
9·8	48	4·5	28·1	
10·4		7·9	37·9	
10·4		8·4	33·7	
10·1		10·4	34·9	
10·2		21·9	33·7	
10·0		22·4	33·9	
9·9		24·4	42·9	
8·5		24·4	10·4	7·5 =
9·5		31·4	3·4	
10·0		33·4	1·6	
10·4		37·4	32·2	
9·9		39·1	56·4	
8·9		47·4	40·4	
9·6		48·4	18·8	
8·6		51·4	15·9	8·2
9·4		53·4	13·7	
9·5		54·4	16·3	
10·0	49	4·4	55·8	
10·4		6·4	15·7	
10·4		7·4	12·3	
10·4		7·4	0·1	
9·5		8·9	32·8	
9·8		10·9	32·2	
8·5		12·4	37·9	—
9·4		16·4	19·9	
10·4		23·4	43·8	
10·4		23·9	4·4	
9·9		24·4	32·9	
8·3		27·3	59·8	=
9·8		33·4	14·4	
9·4		35·9	3·6	
10·4		36·4	16·3	
10·4		38·4	21·5	
9·2		44·4	24·7	
9·9		48·9	12·4	
9·8		51·9	59·1	
10·4		59·4	52·3	
8·1		59·9	2·8	8·0 G=
10·2	50	3·4	23·1	
10·4		9·4	55·2	
10·4		14·4	49·8	
9·8		20·4	58·8	
9·1		23·4	23·0	9·5
10·2		23·4	38·0	
9·4		23·9	42·1	
10·1		25·4	22·7	
10·4		25·4	21·2	
10·4		26·4	21·0	
10·1		27·4	9·1	
9·2		27·4	1·4	
9·9		30·7	2·1	—
9·2		32·4	22·0	
10·2		32·9	55·3	
10·4		36·4	47·8	
10·4		39·4	32·3	
8·7		42·4	55·7	
9·5		43·4	16·6	
8·7		44·4	18·3	
	+1	36·5	—0·4	

5101—5160.

mag.	17h. m	s	—30° ′	
9·4	50	48·9	39·2	
10·2		49·4	30·2	
9·2		50·9	8·2	9·0
9·6		50·9	25·9	
8·9		53·4	44·8	
10·2		53·4	4·8	
10·1		56·4	19·7	
10·4	51	0·9	42·3	
9·5		3·4	30·2	
8·0		4·4	14·3	6·0 GStπ
10·4		12·4	0·6	
9·8		13·4	51·7	
10·1		13·4	41·4	
9·8		15·9	12·2	
8·9		18·4	14·8	
8·2		19·9	37·8	—
9·8		24·9	2·6	
9·8		26·4	37·1	
9·0		28·4	40·2	
10·4		28·4	11·8	
9·9		28·9	5·5	
9·6		30·4	54·1	
10·0		30·9	53·1	
9·9		31·4	55·2	
9·9		33·4	39·4	
9·8		33·9	16·8	
10·4		33·9	46·4	
9·8		37·4	24·9	
9·8		44·9	36·1	G
9·8		46·4	3·2	
9·2		47·4	18·5	8·5 —
9·6		47·4	2·5	
10·4		52·4	16·4	
9·6		56·4	33·8	
9·8		57·4	23·8	
10·4		59·9	8·7	
9·9	52	2·4	14·3	
9·8		3·4	15·4	
9·2		5·4	37·2	
9·2		7·4	54·4	
10·4		9·4	35·9	
10·2		9·7	57·9	
9·2		12·4	9·2	9·5
9·4		13·4	10·4	
10·4		13·4	31·6	
9·6		18·4	1·1	
9·8		22·9	11·2	
9·9		24·7	3·1	
10·4		24·9	43·1	
9·8		26·9	25·5	
9·4		30·4	20·6	
9·6		40·9	12·1	
10·1		45·9	22·2	
10·1		56·4	50·4	
10·2		57·4	12·3	
10·1		57·4	29·3	
10·4		57·9	52·5	
10·0		57·9	50·8	
9·5	53	7·4	13·0	
8·9		7·9	58·2	9·5 —
	+1	36·5	—0·3	

SO 11705.

5161—5220.

mag.	17h. m s	—30° ′	
9·2	53 16·4	9·3	9·5
9·6	16·9	0·5	
10·2	23·4	28·7	
9·8	34·4	20·4	
10·4	47·4	56·1	
10·4	54·4	30·3	
9·9	56·4	25·7	
9·6	54 3·9	5·3	
9·8	5·9	16·8	
10·4	7·4	28·7	
10·2	15·9	17·5	
9·8	27·4	15·9	
10·4	29·9	20·3	
9·4	32·4	27·3	
10·4	33·4	18·7	
9·8	35·9	12·7	
9·5	36·4	49·7	
10·2	37·4	47·9	
10·0	39·4	58·0	
10·4	40·4	34·3	
10·4	41·9	55·0	
8·5	42·9	57·9	8·5 G≥
10·4	43·4	2·7	
9·6	53·4	30·9	
9·2	54·4	57·9	9·0 ≡
9·2	54·4	43·3	
10·2	56·9	14·2	
9·6	57·4	38·2	
9·0	58·9	31·3	
10·4	59·4	11·6	
8·8	55 3·4	46·7	8·5 ≡
10·2	3·4	36·3	
9·5	14·9	35·4	
10·4	17·4	19·8	
10·4	32·4	3·1	
neb.	34·4	2·1	
9·8	36·4	38·9	
10·2	37·4	51·1	
10·4	42·4	2·2	
9·6	43·4	24·2	
9·8	47·4	44·8	
10·4	52·4	57·8	
10·4	56 1·9	38·2	
10·0	2·1	0·7	
9·8	2·4	2·3	
10·2	3·4	45·9	
10·4	3·4	36·8	
10·4	4·0	10·1	
9·6	4·5	5·3	
9·6	6·9	30·4	
10·4	12·4	4·1	
9·6	17·0	49·1	
9·6	22·1	3·1	
9·6	24·4	28·6	
10·0	25·4	46·4	
10·0	27·4	54·8	
9·1	29·9	52·2	
10·4	38·4	31·0	
9·4	38·9	45·3	
9·8	42·4	15·9	
25pr.	+1 36·5	−0·2	

5221—5280.

mag.	17h.–18h. m s	—30° ′	
10·4	56 46·4	47·2	
9·1	46·4	33·8	8·0 =
10·2	51·9	27·8	
9·9	56·4	22·1	
8·5	59·4	13·8	8·5 a
10·4	57 2·9	39·5	
9·2	15·4	19·1	
10·2	16·4	19·5	
10·2	16·9	24·8	
10·4	21·4	33·3	
10·2	22·4	5·1	
8·8	28·4	50·5	8·5 −
9·8	29·4	29·7	
10·4	31·9	50·1	
9·4	33·4	10·1	
9·6	35·7	1·9	
10·4	36·0	0·3	
10·4	37·4	11·8	
10·2	42·4	32·1	
9·4	44·9	38·6	
5·0	46·4	25·3	3·0 GSμβ
8·7	51·4	39·8	8·0 −
9·8	51·9	28·4	
10·4	52·4	6·3	
10·2	52·4	15·5	
9·8	57·4	13·2	
9·8	58 1·4	39·8	
9·6	12·9	38·8	
10·4	16·4	13·8	
9·8	18·4	43·2	
10·0	22·9	55·0	
10·4	24·4	26·7	
10·2	24·4	45·5	
10·4	30·9	41·4	
9·6	32·4	12·9	
10·4	36·4	4·1	
8·9	38·4	51·6	
10·4	46·4	55·2	
9·8	46·4	49·4	
9·6	47·4	19·3	
9·1	47·9	44·3	9·0 ≡
10·2	51·9	53·8	
10·4	56·2	59·9	
10·0	59 2·4	43·0	
9·9	14·9	56·7	
9·4	16·4	18·4	
8·7	18·4	40·3	9·0
8·9	22·4	11·2	9·5
10·2	22·9	46·1	
9·8	33·4	29·7	9·5
9·6	38·4	35·1	
10·0	47·4	31·5	
10·4	48·4	29·7	
10·4	54·9	41·4	
10·4	56·4	30·3	
10·4	0 3·0	24·9	
9·8	3·0	32·4	
10·2	10·0	59·5	
9·4	12·5	32·7	
10·0	17·0	21·9	
	+1 36·5	−0·1	

5281—5340.

mag.	18h. m s	—30° ′	
10·1	0 20·0	8·3	
9·2	22·0	28·8	
9·8	24·0	2·3	
9·6	27·0	21·8	
10·1	32·0	41·4	
9·2	33·0	32·7	
10·1	33·0	43·7	
10·4	36·0	41·7	
9·8	40·0	10·7	
8·5	43·0	9·7	9·0 −
10·0	44·0	54·7	
9·6	50·0	55·2	
10·0	53·0	37·8	
8·2	53·5	0·5	7·5 GSac
9·8	53·5	51·9	
10·4	55·5	42·5	
10·2	1 5·0	48·1	
10·4	11·0	33·0	
9·8	13·0	33·9	
10·4	17·0	20·2	
9·8	20·5	44·4	
10·4	25·0	41·1	
10·4	27·0	49·5	
9·8	28·5	52·1	
9·4	32·5	20·8	
10·4	40·0	49·1	
10·1	41·9	29·1	
9·8	48·5	17·9	
10·4	51·5	11·0	
10·4	53·0	38·2	
9·9	53·5	21·9	
9·8	2 0·5	31·1	
10·2	1·5	32·6	
7·4	2·8	44·6	6·0 GSπμ
10·4	5·8	28·3	
10·0	11·8	42·0	
10·2	13·8	10·4	
9·8	18·8	11·7	
9·9	18·8	30·2	
10·2	21·8	47·9	
9·6	24·3	3·9	
10·4	29·0	52·4	
10·4	31·3	31·1	
10·0	31·3	47·9	
10·1	32·8	17·1	
9·5	33·8	14·8	
10·1	35·8	50·3	
10·4	35·8	17·3	
9·9	37·8	17·9	
9·9	50·3	28·0	
10·2	50·8	16·3	
9·8	56·3	56·1	
10·0	3 2·8	16·5	
9·8	2·8	27·3	
10·4	4·3	20·8	
10·2	5·8	37·1	
10·4	7·0	3·3	
10·4	8·8	17·8	
9·2	15·3	44·5	
9·4	18·8	10·8	
	+1 36·5	+0·1	

5341—5400.

mag.	18h. m s	—30° ′	
9·4	3 19·8	47·4	
9·8	21·3	22·6	
9·9	22·8	50·6	
10·4	33·0	34·4	
10·4	36·3	34·9	
10·2	38·3	17·0	
10·4	43·0	41·1	
9·8	43·3	9·2	
10·4	47·0	37·0	
9·6	49·3	41·4	
10·4	4 3·8	43·1	
10·4	4·8	46·6	
9·9	6·9	58·8	
9·8	7·1	59·4	
10·4	8·5	1·9	
10·4	10·0	36·4	
10·4	12·8	50·6	
10·1	22·8	39·1	
10·4	23·8	35·7	
8·6	25·8	2·4	8·5 −
9·6	33·3	49·6	
10·4	44·3	27·2	
8·6	45·8	58·5	8·8 ≡
9·6	48·1	57·9	
10·2	54·8	27·0	
10·2	5 4·3	30·6	
10·1	5·3	29·1	
9·8	25·3	50·9	
10·4	25·8	39·2	
10·4	30·8	49·6	
9·9	31·8	43·3	
10·2	43·8	55·0	
10·1	43·8	31·2	
10·4	46·8	58·0	
10·2	47·3	18·0	
9·8	53·1	59·3	
10·4	55·8	31·2	
8·9	55·8	26·9	
9·2	56·3	15·8	
9·8	59·8	54·4	
9·8	6 1·3	50·4	
9·8	3·8	55·1	
9·8	5·8	27·0	
9·4	11·8	10·2	
9·8	15·8	23·8	
10·4	19·3	12·9	
9·8	22·8	10·1	
9·6	23·8	13·8	
9·8	25·8	59·3	
9·6	25·8	36·0	
9·4	30·8	35·8	
9·6	32·8	22·9	
10·4	37·8	17·9	
10·2	45·8	42·9	
10·2	46·8	37·7	
8·9	53·8	51·8	9·5
10·1	57·8	15·4	
10·2	7 2·8	3·7	
10·4	4·1	1·7	
9·4	6·8	18·0	
	+1 36·5	+0·2	

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5401—5460.

mag.	18h. m	s	—30° ′	
10·4	7	6·8	33·9	
10·4		11·8	22·4	
10·4		13·8	45·2	
10·4		17·3	3·6	
10·4		29·3	30·2	
10·1		45·3	0·4	
10·4		46·8	31·2	
10·4		52·8	38·6	
10·4		55·8	10·6	
10·4		56·8	47·5	
10·2	8	6·8	9·4	
10·2		7·8	54·4	
10·1		14·8	46·6	
8·7		17·8	9·8	9·0
10·0		19·8	30·2	
10·1		21·8	43·9	
10·4		23·8	11·0	
8·9		26·3	39·2	
8·0		28·8	26·4	8·0 GW=
9·9		37·8	26·8	
9·4		37·8	26·1	
10·4		42·8	57·0	
9·2		53·8	18·4	
10·2		56·3	18·6	
9·6		57·3	43·5	
9·2		58·3	40·8	
10·4		58·8	40·0	
9·5	9	2·8	12·2	
9·4		10·8	53·2	
10·4		13·8	43·0	
9·2		15·8	45·2	
9·4		21·6	23·4	
9·6		28·1	2·6	
10·4		41·1	41·9	
9·2		41·8	36·6	9·5 —
10·4		42·3	32·5	
8·9		42·8	13·8	
9·6		46·0	58·6	
9·6		52·0	39·3	
9·6		56·6	51·6	
10·4	10	2·3	39·5	
9·8		10·1	51·9	
9·8		10·8	40·0	
9·8		12·5	44·6	
9·4		15·8	25·2	
9·4		19·1	45·3	≡
9·2		33·0	6·0	9·0
10·2		34·7	48·4	
9·1		35·8	45·5	
10·3		38·3	10·5	
10·2		39·3	53·7	
9·6		41·8	21·4	
10·2		56·8	48·9	
9·5		56·8	30·6	
10·0	11	7·3	46·2	
10·3		15·8	13·4	
9·8		16·3	54·9	
10·0		46·8	45·8	
9·9	12	41·8	10·4	
10·3	13	2·8	38·1	
pr.	+1	36·5	+0·3	

5461—5520.

mag.	18h. m	s	—30° ′	
8·6	13	4·8	41·6	=
10·3		5·3	27·5	
9·9		12·8	35·9	
7·6		12·8	59·7	7·5 GStπ
10·0		14·3	32·5	
9·9		14·8	43·6	
10·2		29·3	41·3	
10·2		39·3	40·6	
9·0		41·8	7·6	8·5 a
10·3		47·8	59·1	
10·2		57·3	35·0	
9·4		58·8	17·7	
10·3	14	15·8	56·0	
10·2		27·8	52·3	
9·3		33·8	56·4	
10·2		35·3	37·4	
9·4		39·8	56·5	
8·5		45·3	11·9	8·5 a
10·3		55·8	19·0	
10·3		56·8	26·2	
10·2	15	2·0	57·7	
10·0		13·8	37·9	
10·0		15·3	33·0	
9·2		27·3	19·0	9·5
10·2		31·8	17·1	
neb.		38·3	25·1	
10·3		42·8	8·0	
9·3		53·8	22·4	9·5
9·2	16	3·8	20·4	9·5
10·3		15·3	42·1	
9·8		15·8	47·0	
10·0		17·8	29·2	
9·0		21·4	12·0	9·0
8·2		22·4	45·0	G≡
10·3		55·4	28·4	
7·7		58·9	49·0	6·0 GStπ
8·3	17	12·3	59·6	8·5 —
10·0		16·9	59·0	
8·4		28·9	19·1	7·5 Ga
10·2		35·4	9·1	
8·6		35·9	16·8	8·5 a
9·8		57·4	39·4	
10·2	18	11·9	22·9	
9·1		15·9	13·6	9·0 Ga
10·0		20·4	42·8	
10·2		22·4	49·2	
9·4		26·9	8·0	G
9·9		30·6	57·6	
7·8		38·9	27·6	7·0 GSbc
10·2		55·6	0·3	
8·8	19	2·9	8·4	9·2 G
9·8		5·4	28·2	
9·8		5·9	12·0	
9·0		21·9	11·6	9·0 Ga
9·2		25·4	7·8	9·5
10·3	20	0·4	27·2	
10·2		25·9	16·3	
10·3		36·9	2·3	
9·9		52·9	20·7	
10·2	21	3·9	14·4	
	+1	36·4	+0·6	

5521—5580.

mag.	18h. m	s	—30° ′	
10·2	21	17·4	57·0	
10·2		31·4	17·6	
10·2		34·4	53·0	9·5
10·3		39·9	13·1	
10·2		47·0	55·0	
10·3		56·0	53·7	
10·3	22	16·4	0·5	
9·0		32·0	54·4	8·5 ≥
9·4		44·0	41·1	
10·3		49·0	4·4	
10·3	23	3·5	40·7	
10·3		16·0	45·6	
10·3		16·5	0·1	
9·6		21·0	12·6	
10·2		31·5	34·6	
9·5		38·3	59·6	9·0 =
10·3		44·0	6·2	
8·4		50·0	9·2	8·7 G
10·3		51·0	6·0	
10·3		53·0	21·7	
10·3	24	3·0	6·3	
10·3		5·0	51·0	
10·3		13·3	59·2	
10·3		14·0	15·0	
10·2		24·5	56·4	
9·6		43·0	26·4	
9·6		56·5	12·7	
10·3	25	3·0	12·7	
10·2		6·0	16·9	
10·3		9·5	30·3	
9·4		15·5	20·9	
8·6		21·5	9·2	8·5 Ga
10·3		24·0	56·6	
10·0		31·0	3·9	
9·6		40·5	43·9	9·5
9·9	26	8·0	37·3	
7·1		13·0	58·5	7·5 GSbc
10·2		19·5	12·0	
10·3		21·0	15·9	
9·8		21·5	57·7	8·8 W
8·8		24·0	36·2	8·8
9·5		28·0	50·4	9·0
8·8		52·0	49·4	8·5 a
10·3		56·0	19·0	
10·2	27	9·5	29·0	
10·0		10·0	15·1	
10·2		11·5	23·1	
10·0		14·0	3·8	
10·3		14·0	36·2	
10·3		17·0	49·9	
10·3		39·0	31·1	7·0 GSac
8·3		43·7	2·1	
9·8		53·0	8·1	
8·6		57·5	55·4	9·2 —
10·3		57·5	16·0	
10·3	28	4·0	17·0	
10·0		11·0	23·9	
9·3		15·8	2·0	
10·2		40·5	45·0	
9·8		46·0	9·8	
	+1	36·4	+0·9	

5581—5640.

mag.	18h. m	s	—30° ′	
10·2	28	50·0	10·7	
10·2	29	2·3	1·8	
10·2		3·5	50·0	
10·3		4·0	33·6	
10·2		9·5	22·9	
10·2		14·0	18·7	
10·2		17·0	5·5	
9·0		23·0	52·2	8·8 >
9·8		23·0	12·3	
10·3		57·0	50·9	
10·0	30	4·5	34·2	
9·4		5·6	0·8	
10·0		12·0	4·6	
10·3		18·0	38·0	
8·6		30·0	58·3	9·2 —m
7·6		42·8	8·0	7·0 GSac
10·3		42·8	51·4	
7·6		50·3	37·4	8·0 GSbc
10·3	31	6·8	58·9	
9·8		21·8	59·7	9·5
10·3		23·8	13·0	
9·3		25·8	25·3	9·5
10·3		33·3	48·0	
9·3		43·8	25·4	9·0 a
10·0	32	7·3	53·7	
10·0		7·8	29·4	
10·0		10·7	51·0	
10·0		13·3	52·2	
10·2		13·8	17·1	
9·3		14·3	28·4	9·5
10·0		14·7	31·0	
10·3		15·3	2·9	
10·2		26·8	7·5	
10·2		44·3	54·9	
9·0		46·9	0·3	
10·0		53·8	46·8	
8·4		58·8	38·4	8·0 GStπ
9·8	33	1·3	16·2	
10·0		8·8	8·2	
10·0		16·5	49·9	
10·2		25·1	17·3	
9·8		35·8	34·5	
10·2		36·1	58·3	
10·3		44·2	20·0	
10·3		46·8	38·9	
10·3		47·3	59·9	
10·3		55·8	47·0	
10·3	34	3·7	14·0	
9·4		7·4	37·0	
8·6		12·9	44·6	9·0 -
10·0		12·9	41·9	
9·8		18·3	49·7	
10·3		21·8	58·3	
10·3		27·3	59·0	
9·2		37·1	19·2	
10·3		37·4	38·0	
10·3		38·4	51·1	
9·8		49·8	29·5	
8·8		52·4	29·6	—
9·4		54·4	9·8	
	+1	36·3	+1·2	

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5641—5700.

mag.	18h. m s	—30° ′	
9·9	34 54·9	8·1	
9·9	59·4	41·2	
10·3	35 2·9	8·7	
10·0	7·4	45·6	
10·0	34·4	53·7	
9·9	37·9	28·4	
10·3	38·4	28·8	
10·3	41·0	35·5	
10·3	49·9	54·3	
10·0	36 2·4	27·2	
9·0	29·4	31·2	–
10·3	37·4	5·6	
8·6	43·9	6·2	=
10·3	51·8	0·2	
9·2	56·9	8·4	
8·8	59·3	2·1	
9·4	37 3·3	11·8	
9·4	7·3	21·7	
9·1	8·8	52·6	
10·0	12·8	48·2	
9·6	25·3	26·7	
9·9	31·8	36·1	
9·8	32·3	50·0	10·0
9·8	41·3	20·0	
9·8	49·3	56·2	
10·2	55·8	6·6	
9·4	58·3	29·9	
8·8	59·3	17·7	
8·8	38 4·3	36·9	
10·4	7·8	3·9	
10·3	9·8	3·1	
10·2	11·8	55·8	
9·4	19·9	2·0	
10·4	21·3	27·7	
10·0	36·3	8·1	
10·0	51·3	6·6	
10·0	56·3	34·6	
8·8	57·3	5·3	
10·4	39 0·3	29·3	
9·9	6·9	2·7	
8·6	15·3	59·5	8·5 >
10·4	37·3	23·0	
9·8	38·3	15·2	
9·9	51·3	9·0	
10·4	55·2	59·9	
8·0	40 10·3	29·3	8·0 Gam
9·2	17·3	19·2	
10·0	27·3	54·6	
8·8	38·3	8·1	9·5
9·9	41·8	12·9	
10·4	46·3	11·3	
8·8	48·3	13·6	9·0 –
9·4	54·3	33·9	
8·8	57·3	45·9	=
10·4	41 13·8	35·0	
10·3	18·0	36·9	
8·8	21·0	36·3	Gam
10·3	37·0	49·2	
10·3	38·0	27·9	
9·9	39·5	4·2	
25pr.	+ 1 36·2	+ 1·4	

5701—5760.

mag.	18h. m s	—30° ′	
10·3	41 44·0	34·5	
8·5	55·0	8·7	9·0 am
9·6	42 14·0	38·5	10·0
9·8	15·0	20·4	
9·9	17·0	56·4	
9·9	17·5	23·6	
9·1	24·0	21·6	
9·9	31·5	44·3	
9·8	32·0	36·6	
10·0	33·0	45·8	
9·6	34·0	42·1	10·0
10·3	37·0	1·1	
8·6	43·0	22·7	a
8·4	57·0	56·2	8·8 SW=
9·7	57·0	4·9	
10·2	43 12·9	2·9	
8·6	17·0	9·8	8·5 Ga
8·6	24·0	15·6	8·0 Ga
10·0	25·0	22·3	
10·3	25·0	20·8	
10·0	43·5	34·2	
10·3	59·5	0·0	
10·3	44 4·0	24·8	
9·0	11·2	56·4	9·0 GS–
10·0	14·0	45·9	
8·8	25·0	5·7	
10·3	27·0	49·9	
9·8	29·5	50·9	
6·8	40·0	52·8	7·0 GSb>
10·3	43·0	23·7	
10·2	47·0	39·4	
9·9	49·0	30·8	
9·6	58·0	43·1	
9·2	59·0	25·6	
9·4	45 14·0	17·7	
10·0	28·0	3·9	
9·6	29·0	32·5	9·5
10·4	37·0	3·9	
9·6	39·0	20·9	
9·7	44·0	14·1	
10·0	46 1·0	32·7	
10·3	18·0	39·0	
10·0	21·0	47·9	
9·2	27·0	44·0	
9·7	31·0	26·4	
9·0	38·0	18·3	–
10·0	47 0·3	59·7	
neb.	3·5	37·9	
10·4	13·0	32·9	
9·8	14·0	11·9	
10·0	18·5	8·5	
10·4	23·0	50·9	
10·4	27·0	14·5	
9·8	41·0	11·0	
9·9	48 2·5	48·0	
10·4	7·0	29·9	
10·4	24·0	56·1	
10·4	39·5	29·0	
9·0	48·0	11·1	9·0 –
10·4	48·0	36·3	
	+ 1 36·1	+ 1·6	

5761—5820.

mag.	18h. m s	—30° ′	
9·8	49 4·5	33·1	
9·4	27·0	21·2	
9·6	37·0	24·9	
10·0	51·0	33·3	
7·9	50 5·0	59·2	GSac
10·3	17·0	49·2	
10·4	24·4	57·7	
9·5	31·0	25·5	
9·0	38·0	57·5	8·5 Ga
10·3	44·9	20·5	
9·9	45·4	36·0	
9·4	54·4	53·0	
9·8	59·9	41·4	
9·9	51 3·9	24·6	
9·2	17·9	25·2	
10·4	21·4	15·4	
10·0	46·9	14·3	
9·9	47·9	58·8	
10·0	47·9	24·9	
9·5	52 3·9	12·4	
9·7	13·9	59·2	–
10·0	14·9	0·2	
9·8	25·9	13·0	
9·7	26·9	43·3	
10·0	27·2	1·5	
9·8	38·9	46·8	
10·3	47·9	13·0	
10·4	55·4	26·5	
9·8	53 12·9	9·5	
9·5	12·9	14·8	
9·8	27·9	44·9	
9·9	28·9	45·4	
9·6	33·9	35·1	
9·2	38·9	34·8	
10·4	45·4	32·5	
10·3	54 4·9	52·4	
9·6	19·6	2·6	
3·7	39·4	3·4	GSπμβ
10·0	47·9	27·4	
8·6	56·9	31·3	a
9·7	55 8·4	20·7	
9·7	22·9	19·0	
10·4	25·9	22·4	
10·0	26·9	48·3	
9·2	28·9	55·8	9·0 G–
9·0	36·9	18·9	
9·9	46·4	47·4	
9·1	48·4	50·5	
9·1	53·4	7·7	10·0
10·2	53·9	19·1	
9·9	56 1·9	39·4	
10·3	7·9	43·3	
9·8	26·7	58·5	
10·3	26·9	22·8	
9·7	28·9	53·2	
9·7	29·9	59·8	
9·8	55·4	20·7	
9·2	57·9	30·5	
10·3	57 1·7	43·6	
9·7	8·1	16·9	
	+ 1 35·9	+ 1·9	

5821—5880.

mag.	18h.–19h. m s	—30° ′	
9·8	57 13·9	30·8	
9·7	25·4	32·7	
10·3	46·2	59·6	
10·3	49·9	33·6	
9·9	56·9	38·1	
10·0	58 2·9	40·6	
9·5	4·1	26·4	
10·0	14·7	21·5	
9·2	16·9	7·5	9·0
10·0	17·9	23·7	
10·3	23·2	58·0	
9·8	33·5	50·9	
10·3	33·9	37·4	
9·4	38·0	23·5	
9·2	43·2	51·3	
10·3	44·1	41·0	
9·2	57·7	8·6	8·5 am
10·0	59 10·2	44·8	
10·2	12·2	55·9	
9·6	14·7	11·2	
8·6	15·7	21·0	a
8·8	15·7	8·1	8·5 am
9·6	22·7	22·5	
9·2	22·7	24·9	
9·4	24·2	18·4	
8·8	27·5	58·7	–
10·2	49·7	11·8	
10·2	50·7	6·6	
9·4	54·7	11·1	9·0 –
9·7	0 13·7	33·0	
10·2	13·7	8·9	
10·4	16·7	33·9	
10·0	23·7	27·8	
9·7	24·7	26·8	
9·4	26·1	2·8	9·0 a
10·2	33·7	6·6	
10·0	47·7	13·3	
9·5	1 2·7	16·6	
7·6	7·7	49·3	8·0 GSac
9·2	8·2	33·9	
8·9	24·7	50·4	9·0 GW–
10·0	27·7	54·9	
10·2	28·9	1·5	
9·8	51·2	17·0	10·0
10·4	53·3	58·6	
10·4	54·7	26·1	
10·2	2 14·9	0·4	
10·0	25·9	30·6	
9·8	26·4	32·7	
7·3	29·9	12·3	7·0 GSac
9·9	36·9	32·5	
8·4	46·2	0·8	8·5 Ga
10·3	51·9	36·4	
8·9	53·9	52·5	
10·0	3 2·9	55·6	
10·2	7·4	0·5	
9·7	14·9	17·8	
9·0	21·9	50·2	
10·0	32·4	5·3	
10·4	33·4	51·9	
	+ 1 35·8	+ 2·2	

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5881—5940.

mag.	19h. m s	—30° ′	
10·4	3 40·9	47·7	
10·0	42·9	45·9	
9·4	44·4	9·9	
10·2	45·9	0·4	
9·5	57·9	5·2	9·5
10·2	4 1·5	1·9	
10·0	2·9	34·7	
9·7	2·9	28·4	
10·4	16·9	43·5	
10·4	43·9	2·4	
9·4	51·9	41·9	
9·4	58·9	39·6	
10·4	59·4	48·2	
10·4	5 1·9	14·4	
10·4	14·9	59·8	
10·4	23·4	48·5	
9·2	23·4	2·2	G
10·0	26·9	7·8	
10·3	34·4	39·9	
9·2	41·9	24·7	9·0
10·2	43·4	0·5	
9·9	47·9	35·1	
10·2	6 1·9	19·6	
10·3	3·6	53·5	
10·0	20·1	23·3	
9·8	25·6	25·1	
8·2	40·6	2·6	7·0 G Sac
9·4	42·6	27·6	
10·3	54·6	48·7	
8·7	56·6	29·8	a
10·3	59·6	48·1	
10·2	7 2·6	58·2	
10·2	6·6	36·7	
10·2	8·1	1·4	
10·4	11·1	44·9	
9·7	13·1	42·8	
9·2	25·6	30·7	
9·1	32·9	2·1	10·0
9·9	35·6	27·3	
10·0	38·1	21·5	
8·6	59·6	33·3	a
10·2	8 2·1	32·6	
8·2	7·6	34·7	a
10·2	13·6	37·9	
7·6	15·6	40·4	GSamc
10·2	31·1	36·2	
10·4	52·6	36·0	
9·9	59·6	7·3	
9·4	9 16·1	8·3	
10·0	26·1	25·1	
9·5	32·6	41·3	9·5
9·8	34·1	14·6	
9·2	36·6	51·1	
10·0	36·6	33·7	
10·3	44·3	2·0	
9·1	45·6	34·5	9·5 a
9·1	45·6	23·8	
10·3	10 12·3	2·0	
10·3	32·7	16·9	
9·9	41·6	42·0	
25pr.	+1 35·7	+2·4	

5941—6000.

mag.	19h. m s	—30° ′	
9·6	10 52·6	32·7	
10·0	11 6·1	13·7	
10·2	9·6	8·3	
10·3	15·6	13·7	
10·3	21·6	35·3	
9·2	26·6	18·2	
9·8	38·6	2·7	
10·2	42·1	49·1	
10·3	45·5	41·2	
9·8	46·1	15·6	
10·2	53·6	18·9	
8·8	55·6	55·3	8·5 am
9·4	55·6	29·7	
8·9	57·1	41·4	–
9·2	57·6	45·5	
9·1	12 0·1	4·4	
9·6	5·6	29·4	
10·2	12·0	1·9	
9·5	31·1	15·3	
9·2	36·1	9·4	
10·0	52·1	35·4	
10·0	55·1	9·5	
10·2	58·1	19·9	
10·0	13 14·6	56·3	
9·2	23·6	22·6	
10·0	24·1	10·3	
9·2	24·6	3·6	
9·8	26·6	43·9	
9·5	53·6	32·3	
9·7	14 6·6	21·1	
10·0	7·6	38·3	
8·7	16·6	54·5	9·5
10·3	18·1	38·1	
9·4	24·1	13·7	
10·0	29·6	35·6	
10·2	30·6	26·6	
9·7	33·6	16·1	
10·3	35·6	14·5	
10·3	36·6	13·7	
9·7	51·6	16·3	
10·3	56·6	18·6	
9·7	56·6	22·4	
10·3	15 1·6	33·9	
9·4	15·6	40·3	
9·8	26·1	35·1	
10·0	32·1	47·9	
9·5	33·6	40·9	
9·8	36·1	13·1	
8·9	39·6	28·3	–
9·4	16 44·6	24·9	
9·5	17 23·6	37·0	
10·0	35·6	17·1	
8·6	35·6	32·1	9·0 –
9·8	51·1	40·7	
9·5	53·6	4·5	
8·2	53·6	20·9	8·8 Gam
10·3	55·6	52·7	
9·9	18 18·1	19·1	
10·3	19·7	15·6	G
9·5	30·1	33·9	
	+1 35·5	+2·7	

6001—6060.

mag.	19h. m s	—30° ′	
10·3	18 33·1	5·7	
10·0	36·6	43·4	
8·9	37·6	37·9	
9·2	48·1	32·7	
10·3	19 9·6	17·1	
9·0	11·1	56·1	
9·4	13·6	7·9	
10·0	18·6	36·6	
9·5	19·6	53·9	
10·2	32·6	55·1	
10·3	39·3	59·9	
10·3	41·6	49·7	
9·4	53·6	33·1	
9·5	20 9·1	49·6	
9·9	58·9	47·4	
10·4	21 7·4	26·9	
9·5	13·4	19·1	
9·5	20·9	25·2	
10·2	26·4	29·0	
9·2	27·9	51·1	
10·4	31·4	37·9	
9·2	35·9	17·4	
9·8	45·4	42·2	
10·2	22 6·4	33·0	
9·4	11·9	9·7	9·5
10·4	15·4	14·5	
9·6	16·4	26·7	
10·2	25·9	42·5	
9·4	37·2	2·6	
10·0	40·7	28·9	
8·2	57·7	19·5	9·2 Ga
9·8	23 2·7	21·8	
9·6	23·7	42·1	
9·6	42·2	34·3	
9·1	48·7	10·7	
9·1	24 12·7	42·2	
10·0	16·2	51·7	
8·3	25 3·3	51·0	8·5
10·0	4·8	28·4	
7·8	6·8	37·4	7·0 GSac
10·0	10·3	25·9	
9·0	13·3	56·4	
9·6	29·3	21·3	9·5 G
9·6	43·3	23·8	9·5 G
9·8	45·8	34·7	
9·6	57·8	11·1	
9·6	26 4·8	14·1	
9·1	21·3	17·4	9·5
8·6	28·8	12·7	9·5 a
10·0	32·8	37·0	
10·2	27 1·3	21·9	
9·6	3·3	23·7	9·5
10·4	6·8	15·1	
9·6	6·8	12·4	
9·8	7·3	4·8	
8·6	25·8	50·5	–
10·4	43·3	5·3	
9·0	45·8	15·3	
8·8	28 25·8	50·3	
9·6	29·3	15·9	
	+1 35·2	+3·0	

6061—6120.

mag.	19h. m s	—30° ′	
10·0	28 46·3	45·0	
9·6	29 13·3	39·3	
10·0	22·8	45·2	
8·2	56·8	34·2	8·5 –
9·4	30 33·8	11·3	
10·0	45·8	50·1	
9·6	51·3	5·3	9·5
7·8	57·8	33·6	8·0 G
10·0	31 26·1	59·9	
9·1	29·1	1·5	
9·2	32·8	26·9	
9·0	32 2·8	12·2	9·2 a
10·2	5·3	6·3	
9·2	6·8	19·9	9·0 a
10·0	21·8	32·6	
10·4	25·8	52·0	
9·8	51·3	55·8	
10·4	33 13·3	47·0	
8·6	21·6	1·6	8·5 Gam
9·6	22·3	16·6	
9·1	42·3	24·8	
9·4	48·3	53·6	=
9·0	34 7·8	36·6	a
10·3	23·8	19·4	
9·6	36·3	16·2	
10·0	41·3	20·5	
9·4	45·3	56·8	
9·4	52·3	31·5	
10·0	53·3	50·8	
9·6	35 3·3	20·2	
9·4	4·1	58·6	
9·4	11·3	53·2	
10·4	42·3	57·2	
9·8	49·8	5·2	10·0
10·3	51·8	55·2	
9·8	36 5·3	26·3	
9·6	11·8	40·6	
9·6	21·8	11·4	
10·4	53·3	59·6	
8·6	37 3·3	3·2	9·0 Ga
9·0	12·8	31·5	a
10·0	14·8	51·0	
9·8	23·8	22·8	
10·0	27·8	42·3	
9·8	32·8	53·6	
9·1	38 49·0	58·4	9·0 =
9·1	39 6·8	6·8	
9·0	31·0	58·4	
9·1	32·3	40·4	
10·4	41·3	15·6	
9·8	40 11·8	3·2	
9·6	25·3	18·6	
10·4	26·8	48·4	
9·6	49·3	8·8	
9·1	41 8·0	2·2	10·0
8·0	11·6	42·8	8·5 GM=m
10·2	44·5	35·7	
9·6	47·6	12·9	
8·3	49·6	34·9	8·2 Gam
10·4	42 2·6	45·9	
	+1 34·8	+3·4	

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6121—6180.

mag.	19h. m	s	—30° ′	
10·2	42	11·4	40·9	10·0
10·0		35·1	30·1	
9·6	43	21·1	0·0	
9·8		36·6	42·0	
9·2	44	9·6	44·4	—
9·4		25·6	39·0	
9·0		27·9	2·2	9·2 —
9·8		30·1	38·2	
8·4	45	14·6	15·4	8·8 Gam
8·8		16·6	36·7	8·5 G=
8·4		34·6	35·3	8·7 am
9·8	46	11·1	38·4	
9·4		11·4	34·4	10·0
9·8		15·1	23·4	
9·8		29·1	14·0	
10·2	47	3·1	24·1	
9·4		12·4	57·1	
10·0		39·6	11·7	
10·2	48	12·6	23·8	
9·0		21·1	50·3	9·5 —
7·2		56·6	53·9	6·9 GSbc
10·4	49	6·1	50·3	
10·0		8·1	41·6	
8·2		23·6	31·8	8·0 Ga
10·4		47·6	0·2	
10·4	50	9·1	53·8	
10·2		12·1	3·1	
8·3		38·6	24·2	am
10·2		45·6	45·9	
10·0		48·6	47·8	
10·4		58·6	35·9	
7·7	51	4·6	52·3	6·3 GSbc
10·0		13·1	50·6	
9·8		33·1	9·1	
10·0		41·1	2·1	
10·4		46·6	11·5	
10·4		47·1	9·1	
10·4	52	4·6	7·2	
9·0		43·1	48·6	=
10·4		50·6	50·6	
9·8		59·1	4·1	
10·0	53	6·1	11·7	
10·4		16·6	51·1	
9·5		21·6	31·5	
9·1		42·6	42·7	—
9·0		47·1	7·8	9·0 am
10·2	54	5·6	17·4	
9·8		38·1	17·6	
9·2		43·6	38·7	9·5 G=
10·4	56	35·3	38·9	
8·6		36·1	30·9	7·8 Gam
9·2		43·1	26·7	
9·4		50·1	6·8	
10·4	57	23·1	2·0	
8·6		24·1	17·4	—
9·8		46·1	21·9	
10·4		50·6	22·1	
10·0		53·6	45·1	
10·0	58	11·1	33·9	—
9·8		12·3	16·6	
25pr.	+1	34·3	+3·9	

6181—6240.

mag.	19h.–20h. m	s	—30° ′	
9·8	58	15·6	37·3	
9·6		22·1	50·2	
10·4		35·6	8·2	
9·6		50·1	9·8	10·0
9·1		58·1	9·4	9·5
9·2	59	2·1	16·0	—
9·5		15·6	13·9	
10·0		22·1	25·1	
9·8		31·1	43·0	
7·8		37·1	4·8	7·0 GSbc
9·8		45·6	31·8	—
10·0	0	5·6	1·9	
10·4		35·4	50·4	
8·8		36·6	55·9	Gam
10·0		41·6	2·0	
9·2		46·1	49·8	9·8
9·5	1	2·1	15·1	—
9·8		6·1	43·5	10·0
8·7		8·6	47·6	9·0 Ga
10·4		46·6	3·6	
10·4		53·4	14·3	
10·0	2	26·1	35·3	—
8·6		31·1	10·2	8·5 G—
9·5		49·1	7·6	9·0
10·4	3	3·1	18·9	
10·0		4·6	47·6	
9·6		32·6	38·8	
10·4	4	5·6	0·2	
9·8		55·1	9·2	
9·2	5	13·1	55·4	—
10·2		24·4	13·9	
9·4		32·1	37·4	
9·2		55·6	47·6	
10·2	6	16·1	35·0	
9·8		25·6	39·2	
9·8	7	12·1	55·4	
7·9	8	5·6	23·0	6·5 GSbc
9·8		5·6	10·4	
9·8		25·6	7·8	
10·4		36·4	50·0	
10·2		56·1	34·4	
9·8	9	14·1	54·1	—
9·6		31·9	29·4	
8·6	10	26·1	54·3	9·2 =
9·8		40·8	52·5	
9·3	11	22·1	5·3	9·3 —
9·9		33·1	45·4	
8·8		33·1	35·8	8·0 =
7·6		40·6	0·8	7·8 GSac
10·0		42·1	19·0	
9·6	12	2·6	34·6	
10·0		6·6	48·1	
9·4		23·1	4·4	8·8
10·0		34·6	7·6	
9·9		43·1	50·8	
10·0		51·6	40·3	
9·8	13	18·1	43·4	
9·4		30·6	0·1	9·0
8·4	14	8·6	46·3	9·0 M≡m
9·9		36·1	58·5	
	+1	33·6	+4·3	

6241—6300.

mag.	20h. m	s	—30° ′	
9·4	15	11·6	31·5	
10·0	16	21·1	57·1	
7·8		25·6	53·3	8·2 Gam
8·6		33·6	14·3	a
8·6		57·6	55·1	10·0 =
9·4		57·6	39·3	—
10·0	17	23·6	52·1	
10·0		26·6	28·5	
8·4		37·6	23·1	8·0 GSam
10·0		56·6	31·6	
9·3	18	52·6	27·5	—
9·0	19	13·1	55·7	
9·0		28·6	38·0	—
9·4		52·6	26·3	
9·4		52·6	7·0	
9·8	20	0·1	37·7	
9·4		14·1	25·3	
9·6		18·7	50·3	
9·9		30·2	56·5	
9·0		37·7	16·8	
10·0	21	13·2	40·9	
9·3		34·7	20·9	
9·0		45·7	48·5	≡
9·8	22	22·4	59·1	
9·9		25·7	33·3	
10·0	23	3·2	18·7	
7·8		3·2	6·3	8·2 a
8·7	24	13·2	35·3	9·5 =
9·8		14·7	25·1	
9·9		20·0	28·0	
10·0		32·7	52·7	
10·0		42·2	1·2	
9·8		56·2	42·7	
10·0	25	1·2	42·4	
9·0		1·2	22·5	—
9·6		24·0	0·3	
10·0		35·2	39·1	
10·0		42·2	56·9	
8·6		55·2	36·4	8·2 M≡m
10·0		56·7	39·5	
9·6	26	8·7	25·9	
10·0		22·0	40·2	
9·8		24·7	28·1	
9·6		26·7	34·1	
6·5	27	4·7	53·9	6·7 GSb=
9·8		5·0	41·4	
9·9		8·2	48·2	
9·1		26·2	25·5	9·0 —
9·1		34·7	38·0	
9·1		35·6	52·8	8·8 G
9·3		42·1	32·7	
8·6	28	13·8	58·6	8·8 am
9·6		21·6	53·1	10·0
9·8		25·1	23·9	
9·6		36·3	57·7	
10·0		43·6	47·9	
9·9		50·6	48·1	
9·8	29	36·8	17·9	
9·9		52·0	27·5	
10·0	30	3·6	30·4	
	+1	32·7	+4·9	

6301—6360.

mag.	20h. m	s	—30° ′	
7·8	30	26·4	59·6	8·5 Ga
9·4	31	39·6	7·7	
9·4	32	23·1	6·8	
10·0		23·6	58·2	
9·8		50·1	29·3	
9·9		50·6	52·6	
10·0		52·6	25·5	
9·3		57·7	56·5	
9·4	33	17·9	8·8	
9·4		20·5	2·4	
9·4		26·4	43·9	
9·4		32·1	41·5	
9·4		43·1	48·8	=
9·9		47·8	53·2	
10·8	34	13·2	7·5	
10·8		21·7	26·8	
9·9		41·9	57·2	9·0 ≡
9·4		42·2	57·5	9·5
10·8		53·7	51·9	
9·4	35	2·2	28·1	G—
10·4		2·7	49·1	
10·0		3·2	29·9	
10·2		6·2	11·3	
9·9		10·2	8·8	
10·4		14·2	43·3	
10·8		20·2	8·5	
10·2		33·2	53·8	
8·0		57·2	40·5	8·0 GM=m
10·0	36	6·2	15·7	
9·6		6·2	45·4	
9·8		14·2	23·6	
10·3		18·2	51·9	
10·8		24·2	42·1	
8·9		28·2	26·3	
10·0		29·7	16·0	
9·0		37·2	4·0	
9·6	37	4·0	2·1	
9·9		25·2	9·3	
10·4		33·0	1·4	
7·0		44·2	55·7	6·8 SWam
9·8		54·2	18·6	
9·9	38	3·2	36·7	
10·0		6·2	47·0	
10·8		17·2	20·2	
10·2		30·2	7·0	
10·0		54·2	49·5	
10·0	39	3·0	1·3	
10·8		16·2	4·8	
9·8		26·7	51·6	10·0 G
9·8		54·7	10·9	
9·9	40	7·2	14·0	
8·9		18·2	41·7	—
9·0		43·0	57·4	—
10·0		47·0	0·3	
10·0		47·2	25·6	
9·4	41	1·7	33·0	
8·0		39·2	39·0	7·2 GSb≡
10·3		43·2	41·7	
9·8	42	6·7	34·3	
10·8		11·5	2·4	
	+1	32·1	+5·3	

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6361—6420.

mag.	20h. m	s	—30° ′	
9·8	42	16·2	32·5	
8·6		38·7	53·1	8·8 G=
8·9		42·7	33·9	
7·6	44	4·7	14·7	7·0 GSa
8·8		16·2	33·3	
9·2		28·2	6·3	9·0
10·4		36·2	47·8	
10·8	45	7·2	35·3	
9·6		16·2	4·6	
9·2		20·2	5·6	
9·8		32·2	47·3	
9·9		40·2	38·0	–
10·4	46	0·2	16·5	
9·8		4·2	15·5	
9·4		7·2	27·0	
10·8		13·2	3·8	
9·9		23·2	37·7	
9·4		25·7	31·5	
9·9		26·2	55·4	
10·3		26·7	42·1	
10·3		40·2	45·0	
9·9		47·2	9·1	
10·8		57·7	27·1	
9·9	47	33·2	15·2	
10·0		37·2	32·1	
8·2		37·2	36·7	8·0 a
8·5	48	8·2	35·9	9·0 am
10·8		45·4	50·7	
10·3	49	4·2	20·1	
9·8		11·7	49·7	
10·8		26·2	17·1	
9·2		31·2	39·3	–
9·4		37·2	24·0	
10·0		54·2	18·4	
10·8	50	7·2	29·5	
9·9		20·7	53·0	
10·4		30·7	29·9	
10·3		33·2	9·8	
9·6		47·2	10·8	
10·2	51	7·2	12·0	
10·8		13·4	6·6	
10·2		35·7	21·0	
7·6		49·2	59·6	7·3 GW≥m
9·9	52	16·7	46·1	
9·8		26·2	42·2	
9·8		48·7	7·1	
10·8		51·7	12·9	
10·3		57·4	7·0	
10·8	53	13·7	55·5	
10·3		15·2	4·1	
10·0		16·2	39·1	
7·4		30·7	12·8	7·0 GSam
8·0		33·7	14·1	7·5 GSam
10·8		47·7	30·5	
10·0	54	5·7	58·7	
9·6		22·2	46·4	9·0 G=
9·6		23·2	8·6	
10·8		24·2	24·4	
10·8		42·5	0·0	
9·4	55	33·2	28·3	
25pr.	+1	31·4	+5·6	

6421—6480.

mag.	20h.–21h. m	s	—30° ′	
9·8	55	41·7	50·0	
10·8		42·2	14·4	
10·3	56	42·7	23·0	
8·6	57	54·2	48·1	9·0 ≡
10·6	58	6·2	45·5	
8·6		25·1	22·7	9·0
7·3		27·5	37·2	5·8 GStπ
10·6		33·0	42·6	
10·2		40·0	28·8	
10·6		54·5	31·8	
10·0	59	22·5	11·8	
8·4		27·0	5·1	8·4 Gam
9·8		30·5	7·1	
9·8	0	1·0	40·9	
10·6		28·0	25·3	
10·2		41·5	31·8	
8·7	1	13·3	2·2	8·5 GW–m
8·7		23·0	32·7	9·5 G=
9·8		53·0	0·1	
9·5	2	16·0	37·5	
9·2		27·0	37·4	
7·8		35·5	13·5	6·8 GStπ
9·2	3	19·0	29·3	
9·6		57·5	48·5	
10·6	4	4·5	44·2	
9·5		15·5	27·4	
9·6		15·5	18·8	
9·8		16·0	32·2	
10·2		23·5	2·7	
10·4		37·0	30·1	
9·2		43·5	12·3	
10·0	5	2·5	15·7	
9·5	6	12·5	53·6	
10·6		14·0	37·0	
9·1		18·0	42·4	9·0 M≡m
10·6		21·0	0·0	
10·6		30·5	23·0	
7·7		31·5	10·5	7·2 GStπ
10·4		33·5	21·8	
9·5		48·5	55·5	
10·0		55·0	8·4	
9·8		55·0	36·3	
8·8	7	5·5	6·0	
10·6		14·5	13·1	
8·4		25·5	37·4	–
10·2		37·5	34·5	
10·4	8	2·5	14·9	
9·8		5·5	25·9	
10·0		37·5	1·0	
9·1		45·0	54·9	
9·2	9	11·5	48·3	9·5
9·6		33·5	5·0	
9·6		35·5	4·0	
9·8		41·0	21·1	
10·0		47·5	0·5	
8·6	10	36·5	1·9	8·5 Gam
9·4		53·5	48·5	=
9·6	11	5·5	25·5	
9·2		38·0	49·5	–
9·8		49·5	48·9	
	+1	30·4	+6·0	

6481—6540.

mag.	21h. m	s	—30° ′	
10·0	11	55·5	40·1	
8·7	12	37·0	4·0	9·0
9·5		45·5	4·1	9·5
8·0		49·9	58·1	7·5 G=
8·6		56·0	27·5	9·0 am
9·0	13	2·5	55·9	
9·8		25·5	6·7	
9·4		45·5	24·1	
10·2		58·5	23·1	
9·2	14	16·0	40·6	=
10·6		45·5	6·7	
9·9		49·7	57·3	
10·0		52·5	33·9	
9·9	15	3·0	55·2	
10·6		9·5	53·1	
10·2		18·0	21·1	
9·2		31·0	33·0	–
10·6		35·0	53·0	
9·4		48·0	5·3	9·5
10·0		52·5	48·3	
9·6		52·5	47·5	
9·4	16	23·5	35·1	
10·2		46·0	53·7	
10·2		57·0	16·1	
10·2	17	2·5	25·7	
9·8		13·5	13·4	
10·0		16·5	23·1	
10·0		26·5	16·8	
10·6		45·8	2·1	
9·4	18	17·5	24·2	9·0 am
10·6		35·5	14·8	
8·3		38·0	27·9	8·5 Mam
10·6		59·0	50·1	
9·5	19	5·5	59·1	G
9·5		46·5	17·8	
9·2	20	17·5	47·1	
9·8		32·5	32·7	
10·0		33·0	47·8	
9·4		33·5	12·5	–
9·4		49·0	26·1	
10·6	21	23·0	44·7	
9·6		23·3	27·5	
10·6		31·5	26·9	
10·0		42·5	43·8	
10·6		46·0	56·0	
9·6		52·0	2·5	
7·9		58·5	57·4	8·0 Gam
10·2	22	2·5	3·9	
10·6		12·0	14·1	
9·1		39·3	39·9	8·8 =
9·5		44·4	0·6	
10·0		45·5	18·1	
10·0	23	25·1	6·2	
10·0		35·6	37·8	
9·6	24	43·1	27·4	
9·9	25	22·6	50·1	
8·4		35·6	41·4	8·0 Gam
10·0		59·6	49·9	
8·4	26	26·6	1·2	8·3 Ga
8·4		42·6	38·7	8·8 Gam
	+1	29·6	+6·4	

6541—6600.

mag.	21h. m	s	—30° ′	
8·6	27	16·6	35·9	9·0 =m
6·6		31·6	15·0	6·5 GSa
10·0		45·6	17·2	
9·9		56·6	17·7	9·5 G
9·6	28	43·6	12·4	
8·6		52·6	59·1	9·0
9·0	29	47·6	18·5	9·0
9·8	30	21·6	18·3	
9·4		26·6	14·8	
9·2		51·1	20·1	10·0
8·0	31	3·1	12·2	8·0 GSam
8·4		56·6	52·1	7·8 GMam
8·4	32	8·4	2·0	9·0 G–
10·0		51·6	45·1	
10·0	33	3·6	5·5	10·0
8·7		27·6	19·3	8·5 am
10·0		32·6	45·4	
9·2	34	42·6	14·3	a
9·0	35	19·6	53·5	9·5 –
8·7		23·1	54·5	9·5 –
9·0		33·1	57·4	9·0 –
9·4		41·6	29·3	
9·9	36	26·1	18·2	
9·2		53·1	21·3	9·5
9·0	37	2·6	46·3	
9·6	38	23·1	56·1	
9·4		32·1	18·3	
9·0	39	9·1	13·3	9·0 =
9·9	40	27·8	50·4	
9·4		46·8	12·6	
9·6		47·8	58·1	
9·6	41	22·3	59·8	
9·9		29·8	4·7	
9·4	42	10·8	28·8	–
9·9		16·0	59·4	
8·7		25·8	42·0	9·2 G=
8·8	43	14·8	33·9	9·5 G=
9·4		21·3	19·7	9·0
8·7		25·8	54·3	–
8·9	44	21·8	33·4	
7·9		40·8	54·2	8·5 Gam
9·9		55·2	24·1	
8·9	46	14·8	54·1	9·5 GMm
9·4		23·3	27·1	
9·0	47	7·2	50·5	9·0 ≡
9·4		45·7	31·3	9·5
8·3	48	5·7	37·5	8·8 M=m
8·4		25·7	17·5	8·2 a
9·6	50	20·7	23·8	10·0 =
10·0		24·7	39·0	
9·0	51	14·2	19·9	9·0 Gam
8·7		45·7	45·2	9·0
8·7	52	29·7	34·7	9·0 GM=m
7·8	56	3·2	30·2	7·0 GStπ
7·7	57	11·7	31·1	6·5 GSπβ
9·6		13·6	59·8	
10·0		35·7	56·1	
9·3		46·7	27·2	9·0
8·6	58	2·2	58·9	9·0 m
9·0	59	19·9	38·8	9·5
	+1	28·0	+6·9	

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6601—6660.

mag.	21h.–22h. m s	—30° ′	
8·0	59 42·4	13·5	8·0 GSa
9·6	0 25·9	35·7	
9·4	46·4	5·7	9·0
8·7	59·4	51·3	
8·4	2 40·9	44·9	9·0 G=
10·0	3 6·9	55·5	
9·2	32·4	32·6	–
9·9	40·4	24·4	
9·0	59·4	49·9	9·5 G
9·4	4 35·1	50·2	
8·6	41·4	8·6	8·8 G=
9·0	5 57·4	9·2	9·0 G=
9·4	7 7·4	55·3	
8·7	11·4	40·9	9·0 =
9·9	20·4	21·3	
8·3	25·9	1·2	9·0 a
9·9	35·2	58·2	
9·3	9 21·4	12·2	=
9·8	29·5	37·9	
8·0	58·1	46·4	8·8 G–
9·4	11 37·6	22·5	9·5
10·3	43·3	30·0	
8·7	13 14·1	20·8	9·0 G=
9·0	20·1	52·8	–
10·0	14 39·1	27·1	
8·7	59·6	13·7	–
10·3	15 8·6	13·2	
8·1	38·6	14·7	8·8 a
8·7	16 27·8	19·4	8·5 Ga
10·0	41·3	34·7	
9·6	58·1	58·0	
10·3	59·8	22·6	
10·2	17 3·8	19·0	
9·0	26·6	57·5	
9·1	57·8	18·4	9·0 G=
9·8	19 37·8	20·3	
9·6	20 6·8	26·8	
9·0	23·8	52·0	9·0 =
10·0	21 0·8	52·7	
9·2	22 2·8	13·0	
7·9	10·3	37·8	Ga
10·0	23 6·8	3·0	
10·3	26·3	25·0	
8·7	33·8	46·2	8·8 G=
10·3	37·8	50·8	
9·6	25 6·9	27·4	
9·8	9·9	31·2	
10·3	31·9	4·7	
8·4	26 26·4	22·3	9·2 G=
9·6	27·4	58·6	
7·8	32·9	18·3	7·5 GSa
9·2	28 7·4	5·0	
8·6	46·2	58·9	7·5 W≡
10·0	52·4	7·1	
9·0	30 27·4	36·7	a
9·5	31 46·9	51·3	10·0
9·4	32 17·9	59·9	
9·1	51·9	24·9	9·0 =
9·0	54·9	34·6	
8·2	33 7·4	35·8	8·0 –
25pr.	+1 25·3	+7·5	

6661—6720.

mag.	22h.–23h. m s	—30° ′	
10·2	33 20·8	24·3	
9·5	37·9	51·7	
8·4	41·9	19·5	8·0 G=
8·7	34 56·4	40·9	8·0 G=
9·2	35 3·4	11·9	a
7·4	24·8	0·9	6·3 GSπβ
9·8	59·9	57·1	
9·2	36 0·9	56·2	a
9·0	19·4	19·1	8·5 GW–
9·4	39·9	20·8	–
9·3	37 47·4	54·4	
10·2	40 50·9	43·7	
9·8	41 33·4	0·1	
9·0	42 8·9	32·1	9·5 =
8·8	20·9	12·3	GW=
8·5	27·4	31·3	9·0 =
6·9	44 26·9	12·0	6·5 GSπβ
10·0	45 28·9	42·9	
10·4	46·4	39·0	
8·4	53·4	33·4	–
8·2	46 2·4	53·2	≡
8·2	47 1·9	23·7	9·0 a
8·6	48 26·9	16·6	8·5 Gam
9·8	50 37·9	24·3	
2·2	45·0	16·8	2·0 GSμβ
9·8	51 0·0	43·4	
6·2	52 45·5	8·0	6·7 GStπ
9·2	54 43·0	9·6	–
8·2	45·5	27·4	=
8·4	45·5	8·2	–
8·8	56 4·0	31·6	9·0 =
10·8	57 11·8	51·2	
9·4	31·3	57·7	8·5 =
10·6	58 7·8	12·7	
11·4	16·8	27·0	
11·2	23·3	6·3	
6·5	0 9·8	43·3	6·8 GSa
8·6	54·8	54·6	Ga
11·4	1 5·3	57·8	
10·0	2 12·3	38·9	
9·0	17·8	48·6	Ga
10·8	3 13·8	36·4	
11·4	43·5	34·1	
8·8	57·8	35·6	9·0 –
6·9	4 1·8	12·1	6·5 GSb>
8·2	23·8	40·8	8·5 G=
9·8	44·8	49·9	9·5
10·2	5 2·8	7·4	
10·2	43·3	19·2	
10·4	46·8	24·9	
10·2	6 10·3	48·3	
9·2	21·8	15·6	9·2 a
11·4	22·3	43·0	
10·2	30·8	44·6	
8·3	32·3	44·0	W≥
7·9	50·8	19·1	8·2 Ga
9·8	7 54·3	22·9	
7·3	8 59·3	31·7	6·8 GSa
9·2	10 5·3	59·8	
8·0	5·8	35·3	8·0 GW=
	+1 22·3	+8·0	

6721—6780.

mag.	23h. m s	—30° ′	
10·0	11 11·0	19·5	
9·6	12 6·0	7·7	
10·8	23·0	4·6	
10·4	31·0	47·5	
9·4	50·5	44·3	G–
9·4	13 43·0	45·9	9·0 G=
11·4	14 3·5	58·9	
10·4	23·5	49·7	
10·0	15 30·5	17·0	
9·4	35·0	23·5	
9·4	17 7·0	19·6	
10·8	26·0	53·9	
11·4	18 26·0	53·4	
11·2	39·0	20·4	
8·2	46·0	41·6	8·0 GSa
8·8	57·5	14·2	9·0 G
10·6	19 11·5	34·1	
11·4	31·0	29·4	
11·4	20 44·6	58·3	
8·8	21 6·0	12·5	9·0 a
10·4	35·4	13·9	
9·6	22 39·9	29·7	
10·4	50·9	33·9	
10·8	23 3·9	5·4	
8·6	34·4	47·6	9·0 Ga
10·2	40·4	51·9	
9·1	24 5·4	14·5	9·5 G
9·0	13·4	32·4	–
9·8	20·4	45·7	
10·4	47·4	14·1	
10·8	25 11·4	18·7	
10·0	40·9	14·1	
9·6	54·4	35·2	
10·0	26 37·9	c·6	
10·0	58·4	28·5	
10·2	27 10·4	49·0	
10·8	27·9	33·8	
9·6	31·4	34·8	
9·6	28 11·4	53·3	
9·0	29 13·4	37·3	=
10·4	30 12·4	25·1	
10·8	12·9	1·9	
10·0	16·4	50·9	
9·3	23·4	33·9	
9·2	55·4	46·6	9·0 –
8·8	31 4·4	6·7	9·5
10·0	29·4	20·4	
8·6	46·4	3·0	9·0 a
9·4	50·9	52·5	
10·6	32 5·9	23·1	
9·4	44·4	29·0	
10·8	33 0·9	31·0	
8·6	13·9	13·2	=
8·6	35 28·9	18·9	8·5 Ga
10·0	36 23·9	11·8	
10·8	37 18·2	9·5	
10·8	21·4	18·4	
10·4	30·4	16·8	
10·0	38 8·9	28·2	
9·3	39 11·9	30·8	
	+1 19·8	+8·3	

6781—6840.

mag.	23h. m s	—30° ′	
10·4	39 36·4	24·9	
10·4	48·9	3·2	
9·0	40 26·4	33·8	–
10·8	28·4	42·8	
9·1	41 15·7	14·3	–
8·8	25·2	35·9	
10·0	55·7	17·2	
10·4	42 16·2	40·4	
10·0	45·2	2·9	
10·6	52·2	37·9	
9·2	43 32·7	30·2	=
9·0	35·7	6·5	9·0
8·1	43·7	5·9	8·0 GSa
10·4	44 2·2	17·7	
9·3	2·2	3·3	
10·8	10·7	15·9	
8·8	15·2	37·6	–
10·0	19·7	9·3	
8·8	50·7	39·7	=
10·8	45 15·1	49·3	
10·8	46 7·1	51·7	?
10·4	47 13·5	5·9	
8·2	15·4	5·6	8·0 GSa
9·8	30·4	6·3	
9·0	54·4	54·5	
9·3	50 2·4	28·7	
10·4	3·4	34·3	
8·2	3·9	12·3	8·5 GWtπ
9·2	51 9·4	23·9	–
9·2	12·4	31·8	
9·8	48·4	18·1	
9·0	53·6	58·6	
10·4	52 6·4	55·9	
8·4	14·9	11·9	W≡
8·6	32·4	36·5	–
9·8	36·9	55·1	
7·1	53 2·4	10·9	6·0 GStπ
9·6	9·4	3[illegible]·7	
8·4	27·4	11·5	
10·3	42·4	32·9	
10·4	58·5	23·6	
10·0	54 27·9	32·1	
7·6	30·4	45·6	8·2 a
10·0	55 3·4	54·1	
10·4	13·4	27·0	
10·4	23·4	4·9	
9·2	33·4	51·1	
9·2	47·0	56·9	
4·1	55·4	24·9	5·5 GStπ
10·0	56·4	29·5	
10·0	57·4	50·1	
10·4	56 3·4	28·6	
8·0	31·4	50·7	9·0 Ga
10·4	42·4	3·5	
10·4	46·9	52·6	
10·2	50·9	1·9	
10·3	56·9	31·1	
9·3	57·9	42·9	
10·0	57 0·9	30·5	
9·2	7·9	24·8	
	+1 17·5	+8·4	

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6841—6845.

mag.	23ʰ m	s	—30° ′	
10·0	57	8·9	25·6	
10·3		26·9	45·7	
6·8		48·4	49·8	GSb
10·0		52·4	26·6	
9·4		54·9	31·2	
25pr.	+ 1	17·0	+ 8·4	

6846—6849.

mag.	23ʰ m	s	—30° ′	
7·6	57	59·1	4·7	GSb≡
10·2	58	9·1	20·1	
10·4		13·0	38·0	
10·4		25·6	42·5	
	+ 1	17·0	+ 8·4	

6850—6853.

mag.	23ʰ m	s	—30° ′	
7·6	58	27·1	19·7	=
10·0		29·6	28·8	
7·6		29·8	57·2	8·5 a
9·8		35·1	58·7	
	+ 1	17·0	+ 8·4	

6854—6857.

mag.	23ʰ m	s	—30° ′	
8·7	59	3·6	59·2	
10·4		7·1	34·9	
8·7		20·1	39·3	
9·8		32·6	46·3	
	+ 1	16·9	+ 8·4	

ZONE — 31°.

1—30.

mag.	0ʰ m	s	—31° ′	
10·4	0	16·1	21·7	
10·4		21·1	14·7	
10·0		30·4	1·7	
9·4		33·1	17·9	
7·6		45·1	15·5	8·5
10·0	1	3·1	38·6	
10·4		59·6	30·1	
10·3	2	25·1	39·5	
10·2		42·1	29·1	
10·4		58·6	7·1	
9·8	3	8·1	24·5	
10·4		17·1	8·2	
9·6		17·1	18·5	
9·8		29·1	10·7	
9·2	4	4·6	10·5	–
7·5		17·1	58·5	7·0 GS
9·4		33·1	54·6	
10·2		37·1	3·3	
9·6	5	33·6	39·7	
10·4		45·6	41·7	
9·8	6	2·1	5·1	
10·0		7·6	6·4	
8·4		13·6	32·9	=
10·3		31·1	8·8	
10·0		52·1	2·9	
9·6	7	20·1	23·5	
10·5		23·1	23·0	
8·4	8	17·1	43·0	
9·6		41·8	58·3	9·0
8·4		55·6	37·9	
25pr.	+ 1	16·4	+ 8·4	

31—60.

mag.	0ʰ m	s	—31° ′	
10·3	9	19·6	50·3	
9·8		59·6	6·2	
9·0	10	22·8	7·9	
9·0		50·4	20·2	
10·2		54·0	59·4	
8·4	13	23·9	21·1	8·5 –
10·2		26·9	6·8	
8·8	14	11·9	14·9	8·2 G=
9·2		36·4	21·5	
9·4		42·4	32·9	
10·2	15	31·9	51·3	
9·8	16	8·4	46·0	
6·4		56·9	43·7	7·0 GStπ
9·0	17	40·9	57·8	8·5 –
7·6	18	47·9	22·8	8·0 GS=
10·0	19	14·9	3·9	
9·3		36·4	45·1	
7·5		42·4	26·3	7·5 GS–
8·6	20	9·4	49·5	9·0
7·8	21	1·4	43·6	8·0 G–
10·0		10·9	39·1	
9·8		46·0	32·5	
8·4	22	7·9	41·5	–
9·6		50·9	27·3	
9·3	23	4·9	58·2	
10·2		21·9	48·0	
9·0		40·9	43·9	
10·2	24	23·9	35·5	
10·0		37·4	2·9	
9·6		37·9	46·3	
	+ 1	15·1	+ 8·3	

61—90.

mag.	0ʰ m	s	—31° ′	
10·0	25	33·9	36·4	
8·6		34·9	6·1	9·0 G–
9·4	26	6·4	29·7	
9·4	27	2·9	37·5	
8·2		49·9	0·7	8·0 Ga
9·8	30	11·9	54·4	
9·0		19·1	1·4	8·5 –
10·2	32	18·9	54·8	
9·8	33	37·2	12·7	9·5
8·7	34	23·2	50·2	8·8 G–
8·4		39·2	32·7	8·2
10·6	35	52·0	58·7	
8·6	36	13·5	29·5	9·0 –
10·6	37	13·5	29·2	
8·2		34·5	7·3	8·7 a
10·2		55·6	50·1	
8·6	38	2·6	6·0	8·7 a
8·2	39	42·6	20·9	8·5 G
7·5		52·1	23·6	7·8 G
9·2	40	7·6	22·1	9·0
10·6		57·1	2·5	K
8·7	41	24·6	48·3	8·0 G–
8·7	42	4·6	26·7	
10·0		36·6	55·5	
9·6	43	10·6	18·7	10·0
10·4		54·1	16·3	
10·4	44	32·6	59·7	
9·6		56·1	2·7	
8·5	45	33·1	39·9	9·0 G–
8·5		52·1	38·2	9·0 G–
	+ 1	13·5	+ 8·2	

91—120.

mag.	0ʰ m	s	—31° ′	
10·6	45	56·6	16·1	
7·4	46	53·1	2·3	7·2 GSa
10·6	47	1·1	5·0	
9·6		1·1	35·4	
9·6	48	9·1	32·3	
10·4		23·6	24·3	
10·4	49	16·1	12·1	
10·6	50	15·1	39·7	
9·2		22·1	51·6	
10·0	51	10·1	42·1	9·5
9·8		31·1	5·4	
8·7		40·1	9·9	8·3 G–
10·2	52	32·1	6·5	
10·6	53	17·6	53·8	
8·6		23·6	15·4	
9·2		53·1	2·3	
8·8		55·8	56·8	8·8 G
8·9		57·1	6·3	9·2
10·2	54	34·1	23·6	
9·6		48·1	25·9	
10·0	55	22·1	17·0	
8·9		36·6	36·6	9·5
9·2	56	14·6	28·2	
10·4		21·3	55·9	
9·6		21·8	16·5	
9·2		25·8	3·9	9·0 –
9·8		30·3	53·7	
10·6	57	2·3	22·3	
10·5		45·3	51·5	
7·9		45·3	4·2	8·5 G–
	+ 1	12·0	+ 8·1	

SO 11705.

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121—180.

mag.	0h.–1h. m	s	—31° ′	
10·6	57	48·3	30·0	
10·6	58	27·3	4·6	
7·8		38·6	9·7	8·2 Ga
10·6		45·8	23·1	
9·8	59	40·8	45·8	
10·6	0	15·8	18·3	
11·0		27·8	41·6	
9·2		40·6	57·0	10·0
11·0	1	26·3	54·0	
11·0	2	24·3	4·0	
10·8		45·3	1·8	
9·4		45·8	6·4	
8·4	3	0·8	35·6	9·0 –
11·0		11·8	32·2	
11·0	4	1·8	13·2	
10·4	5	4·3	35·8	
9·7		20·8	34·8	
11·0		23·8	56·4	
9·2		39·3	13·8	8·8
11·0	6	2·8	56·6	
6·4		28·8	27·7	6·5 GSct
10·8		56·8	26·3	
9·8	7	5·3	32·0	
9·4		6·3	6·8	9·5
11·0		35·8	28·4	
11·0		49·8	51·4	
7·9		51·8	46·7	8·0 G
10·5		52·8	55·7	
8·8	8	11·8	1·8	9·0
9·7		26·3	7·1	
10·2		31·8	42·0	
10·2	9	6·3	48·8	
9·2		53·8	9·1	9·0 G
9·8		59·8	22·1	
11·0	10	36·3	48·8	
10·8		52·0	56·9	
10·8	11	5·8	17·0	
8·2		10·8	34·5	8·2 G
10·8	13	2·8	49·7	
10·8	14	6·3	24·6	
10·0		7·3	34·7	
10·4		20·3	0·7	
10·8		26·7	45·2	
9·8		30·0	1·1	
10·8	15	24·8	41·7	
10·0		29·8	59·8	
9·7	16	7·8	19·2	
8·4		57·3	16·8	9·0
8·0	17	28·8	54·7	7·8 G
7·0		41·8	35·8	6·0 GSct
9·7	18	19·3	7·6	
10·0	19	2·8	23·8	
8·8		13·8	19·0	9·5
10·8		42·5	1·0	
10·0		44·3	25·0	
10·0	20	12·8	40·3	
10·6		20·8	4·7	
9·2	21	10·6	36·4	
8·8		10·8	37·0	
9·8		16·1	52·8	
25pr.	+1	10·8	+8·0	

181—240.

mag.	1h.–2h. m	s	—31° ′	
10·8	22	35·8	1·3	
9·0		56·5	3·4	9·2
8·7	25	22·8	56·8	8·1 G
10·1	26	26·3	32·0	9·0 G
8·9	27	41·8	44·4	9·0 G
9·8	30	37·1	1·2	9·0
10·1	31	43·8	49·8	
10·1		51·7	59·0	
10·1	32	15·3	41·4	
10·1	34	20·8	26·0	
9·8		27·8	24·3	
9·8		45·8	7·3	
10·1	36	16·3	38·4	
10·1		17·8	39·8	
9·8	38	8·8	33·0	
7·8		15·8	21·2	8·8 G
10·1	39	22·8	33·1	
9·5	40	25·8	15·6	
9·3	41	24·4	59·9	9·2
10·0	43	11·3	17·7	
9·3		25·8	8·1	
7·2		40·8	41·6	6·5 GS
9·8		51·8	13·0	
9·5		52·3	55·0	
10·1	44	2·8	59·1	
10·0		32·8	25·0	
9·8		48·3	50·8	
7·4	45	34·9	31·4	7·0 GS
9·8		43·6	14·5	
10·2		53·2	34·5	
9·4	46	16·4	57·2	8·8 G
9·4		17·1	45·4	
9·4	47	46·4	27·5	9·5 G
10·2		56·4	49·8	
8·6	48	40·4	59·9	9·3
8·6	49	22·4	50·2	9·0 G
8·6		22·9	56·7	9·3
9·0	50	24·4	33·6	
8·8		57·4	44·8	9·2
7·7	51	33·4	41·6	7·5 GS
10·2		33·4	20·3	
9·2		41·4	20·7	
9·9	54	13·4	36·2	
8·5		58·6	1·9	9·0
9·9	55	32·4	47·5	
10·2		41·8	2·1	
10·1	56	8·4	53·0	
9·0		20·4	35·8	9·5 G
9·9		49·7	59·2	9·0 G
9·6	57	15·4	39·4	
8·6		51·9	31·8	8·8 G
9·2	58	44·4	0·6	9·5
9·6	59	19·4	12·2	
9·4		22·4	23·7	
9·2		56·4	11·5	9·2 a
8·8	1	17·9	39·5	8·8 G
10·2		57·4	21·9	
10·2	2	3·4	56·0	
9·2		17·9	46·0	
8·8		23·4	6·1	
	+1	7·7	+7·5	

241—300.

mag.	2h. m	s	—31° ′	
10·2	2	28·2	10·1	
9·0	3	10·9	50·4	
10·2		31·4	25·5	
8·6		53·4	5·0	9·0
9·2	4	0·4	33·8	
8·6		13·4	19·9	8·8 G
8·6		35·4	39·3	8·8
10·2		52·9	38·3	
8·6	5	0·4	23·0	8·0 G–
9·2	6	6·4	56·3	9·0 G
9·2		13·6	59·3	9·0 G
10·2		57·4	12·3	
5·5	7	23·9	18·6	5·8 GStπ
8·8		25·9	16·4	9·2 Ga
9·4	8	9·4	35·6	
9·4		52·4	54·5	9·5 G
10·2		57·4	14·4	
10·0	9	6·9	9·6	
9·4		53·9	28·1	
10·0	10	42·6	56·4	
9·6		47·6	51·0	
9·4	11	40·1	1·5	
9·8		48·6	42·2	
9·8		50·1	20·3	10·0
7·4		58·6	17·9	7·8 G–
8·8	12	26·1	2·9	9·0 –
8·6		35·1	56·8	8·2 G–
9·4		46·1	39·9	
8·4		46·6	21·9	8·5 G–
10·4	14	34·1	38·2	
10·4	15	23·0	30·5	10·0
8·8		52·4	6·7	9·2 G
8·6		52·9	30·5	8·8 G–
9·2	16	48·9	36·9	9·5 G
9·6	17	6·9	56·5	
8·4		30·4	58·2	8·0 G–
9·6		58·3	3·0	
9·4	18	12·9	19·4	
9·2		36·9	39·1	9·5 G
10·2		37·9	48·0	
10·0		38·9	30·5	
10·0	21	8·9	11·1	
8·4	22	33·2	0·2	7·5 G
7·0	23	11·9	39·6	6·5 GSct
9·0		20·4	47·1	9·0 G
10·0	24	14·2	57·5	
10·4		59·5	56·6	
8·7	25	14·5	49·9	8·8 –
8·6	26	28·5	29·7	8·8 G
10·4		31·5	7·3	
8·8		40·0	59·9	8·8 G
9·2	27	1·5	3·8	
10·2		39·0	15·9	
9·4		53·5	13·4	9·5 G
9·8	28	46·0	52·6	
9·2		57·5	7·0	
9·4	29	0·5	14·8	
8·8		16·5	51·8	
9·8		25·0	5·4	
10·4		55·0	0·5	
	+1	5·4	+6·9	

301—360.

mag.	2h. m	s	—31° ′	
9·8	31	31·5	9·6	
8·3		41·5	28·6	8·8 G
10·0	32	25·0	7·0	9·5
8·8		51·5	58·0	
9·6	33	9·0	51·7	
8·2		24·6	8·5	7·8 GS–
10·4		27·5	8·8	
9·8		54·3	51·6	
10·0		58·5	46·4	
7·4	34	41·8	10·3	6·5 GSbt
10·0	36	23·1	15·0	
10·6		43·1	39·0	
10·6	37	17·1	40·2	
8·0		45·1	36·0	7·5 GS–t
10·6	38	2·1	31·4	
9·0		36·1	35·5	9·0 G
10·4		47·1	24·0	
10·2	40	17·1	36·6	
7·8		35·6	0·4	8·0 Gat
8·7		38·5	56·9	9·0 G
9·6		44·1	3·1	9·0 G
9·6	41	0·7	1·9	
10·3		40·6	49·3	
9·8	42	30·6	13·9	
9·8		33·1	46·9	
7·8		52·9	56·5	7·5 GS–
7·8	44	7·9	20·0	8·0 GStπ
9·9		18·4	58·8	
9·6		28·4	26·2	
10·6	45	8·4	17·8	
10·6	46	6·8	23·4	
10·2		7·9	6·9	
9·8		7·9	53·2	
9·6		33·9	32·9	
6·9		38·9	19·8	6·5 GStπ
10·6		53·9	36·3	
7·8	47	49·4	55·0	8·0 G
10·0	48	14·4	28·9	
9·2		46·9	45·4	
9·9		47·4	3·5	
7·6	49	21·9	24·0	7·2 GSa
9·6		22·9	15·9	
10·0	50	59·4	16·5	
10·0		59·4	17·0	
9·2	51	3·9	46·6	
9·2		26·9	21·8	9·0 G
9·9	52	0·9	6·2	
9·6		0·9	22·1	
9·6		50·9	27·7	9·5
9·6	54	25·9	49·4	
9·8	55	57·9	14·6	
9·8	56	12·9	33·3	
10·0		20·9	11·1	
9·8		46·9	31·1	
9·3		54·9	51·6	9·2 G
10·4	57	0·9	33·7	
10·4		18·4	22·1	
10·2		36·9	39·5	
9·3		44·9	26·4	
9·8		51·2	23·3	
	+1	3·2	+6·3	

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361—420.

mag.	2^h.–3^h. m	s	—31° ′	
10·0	59	13·0	3·7	
10·0		35·5	20·5	
10·4	0	36·0	16·9	
10·2		54·0	11·3	9·0
8·8	1	6·5	47·9	9·5
8·9		49·0	8·1	9·0
10·2	4	3·4	11·7	
8·2		23·9	43·9	8·2 Gt
8·8	5	12·9	36·2	9·0 G
9·2		34·9	1·2	9·0 G
10·2		52·9	8·2	
10·4	6	11·9	11·0	
10·2		13·9	9·4	
9·4		45·4	15·0	9·0
7·8	7	28·4	36·0	7·8 GSt
10·0		38·4	51·7	
10·4		58·4	16·1	
10·0	9	42·9	12·1	
10·0	10	43·9	28·5	
6·4	11	2·9	17·3	6·5 GSct
7·2		47·9	48·7	7·5 GS
9·0	12	32·4	42·0	9·0
9·7		40·4	25·7	
9·0	14	50·4	36·4	9·5 G
9·2	16	9·9	26·6	10·0
7·8		37·9	33·8	8·0 GS–
9·8		43·9	3·9	
9·4		55·4	33·2	10·0 G
9·4	17	7·9	46·1	
10·4	18	41·4	42·5	
10·0	19	11·1	57·3	
7·5		16·9	34·4	7·8 G=
10·0	20	3·4	51·0	
8·0	21	2·4	4·0	7·8 G=
9·7		9·1	12·1	9·0 G
10·2		22·9	27·6	
9·4	22	25·2	39·4	9·5
10·4	23	12·2	24·6	
10·3		31·2	6·0	G
10·4		32·4	0·1	
9·8		35·1	54·5	9·5
9·4		42·1	31·0	9·5
9·4	24	20·6	19·8	
10·0	25	31·0	20·8	
9·8		42·6	7·0	
10·0	26	37·1	40·8	
9·8		58·0	32·4	
7·9	27	11·1	59·8	8·5 G–
9·8		22·6	30·0	
10·2		51·6	23·1	
8·0	28	49·5	3·0	7·0 GSa
6·7		54·1	30·1	6·5 GS–
10·4		55·3	57·7	
8·5	30	41·1	33·8	8·8
8·4		42·1	9·2	8·8 a
9·8	31	55·3	0·6	
9·4	32	21·1	20·0	
8·8	33	3·1	25·2	
8·0		8·6	42·6	
10·0	34	12·8	0·7	7·8 GS
25pr.	+1	1·2	+5·4	

421—480.

mag.	3^h. m	s	—31° ′	
9·4	34	52·6	44·8	9·5
8·8		54·6	20·9	
8·2	35	41·6	38·4	8·5 G
9·4	36	6·6	4·7	
10·4	37	32·6	29·4	
9·8		52·6	54·0	9·5
10·4		55·8	11·2	
8·2	38	9·1	24·9	8·0 GS=
9·8		41·1	9·8	
8·0		54·1	50·2	8·2 G–
9·4	39	19·1	54·2	
9·4		25·6	52·9	
8·6		27·6	18·6	
8·6		50·1	40·2	8·5
9·2	40	0·1	59·7	9·2
9·2		33·1	47·3	9·2
8·4		42·1	19·4	9·0 G=
8·4	41	45·6	14·6	8·0 Ga
10·4	42	10·1	44·2	
10·3		52·1	53·4	
9·4		57·1	2·7	
9·8	44	6·1	14·9	
10·4	45	0·8	43·4	
9·8		21·5	18·9	
7·9		34·2	4·2	7·5 GS–
10·0		48·5	21·6	
8·6	46	21·8	15·0	8·0 GS=
9·6		43·8	54·9	
10·1		45·8	24·8	
9·8		51·3	49·4	
9·4	47	21·8	51·4	
10·0		31·8	36·8	
9·6	48	45·8	37·4	
9·0	49	14·3	41·1	9·5 G
9·1	50	5·3	57·6	9·5
9·6		37·8	38·9	9·5
9·7	52	15·3	38·0	
9·6	53	12·3	20·6	
10·1		15·8	49·2	
9·6		18·8	18·6	
9·1		35·8	22·7	
9·1		42·3	38·1	
9·0		43·8	57·1	8·8
10·1		55·3	37·6	
10·2	54	40·0	10·1	
10·2	55	12·8	45·3	
9·3		22·7	47·9	8·3 G
10·0		38·5	32·0	
10·2	56	1·7	50·3	
9·3		11·2	4·8	9·5 G
10·0		47·5	19·7	
9·5		53·2	7·9	9·5 G
9·6	57	17·2	52·6	
9·6		26·2	51·0	
10·2		33·7	29·1	
8·2		53·7	35·3	8·8 =
10·2	58	34·7	8·6	
10·2		42·7	48·8	
9·0		48·7	23·9	9·5
9·4		51·2	41·2	
	+0	59·6	+4·6	

481—540.

mag.	3^h.–4^h. m	s	—31° ′	
10·0	58	53·7	10·0	
9·0	59	13·7	37·5	9·0
8·8		18·7	37·9	9·0
9·4		20·7	11·8	9·0
9·8		25·7	49·8	
8·4	0	10·7	30·6	8·5 G=
10·2		17·5	57·2	
10·0		23·7	32·5	
7·4		40·7	23·3	7·0 GS≡
9·6		58·7	59·0	
8·4	1	48·7	15·4	9·0 G=
9·6	2	13·7	38·3	
10·1		47·7	20·6	
9·6		53·7	13·2	
9·6	3	32·7	18·0	9·5
10·0		56·2	43·3	
9·9	4	2·7	40·3	
10·0		23·5	27·6	
9·8	6	3·2	50·2	
10·0	7	3·7	49·4	
10·0		23·4	23·6	
8·0		29·9	54·0	7·7 G
8·2	8	20·4	36·0	8·2 GW≡
10·1		29·4	8·2	
9·4	9	12·4	5·9	9·5
9·6		21·4	10·8	9·0
10·1		32·6	13·2	
9·8		35·6	49·5	
10·2	10	3·9	49·5	
10·2	11	5·8	53·5	
9·8		17·3	7·2	
8·5		17·8	10·7	8·8 a
10·1		24·8	56·9	
10·1		45·3	44·9	
10·4	12	24·1	58·7	
8·7		51·8	24·5	9·0 –
8·8	13	26·8	9·7	9·2 G–
10·2		31·3	42·1	
9·8		36·8	3·3	
9·4		42·8	4·5	
8·2	14	12·8	37·9	7·8 GW–
8·7		29·3	52·8	9·0
9·6		32·3	45·8	
10·2		34·3	46·7	
8·6	16	15·8	29·4	9·0 –
9·6		46·8	35·0	
10·4	17	23·8	31·2	
9·4		44·3	21·7	8·5 G–
10·1	18	10·8	6·4	
10·4		46·3	14·7	
9·4	19	14·3	8·2	8·8 –
10·4		21·8	29·8	
10·4		30·3	28·7	
8·7		50·8	47·4	
10·2	20	20·3	26·7	
9·5		36·8	53·1	
9·8	21	19·8	11·1	9·0
9·3		29·8	4·8	
9·0		43·3	10·5	8·8 =
10·1		55·8	1·2	
	+0	58·6	+3·8	

541—600.

mag.	4^h. m	s	—31° ′	
9·8	22	22·8	34·5	
8·4		25·8	18·3	8·8 ≡
8·9	23	1·9	1·5	9·5 G
8·2		32·3	43·8	8·5 G
9·8	24	2·8	25·8	
9·6		32·8	28·4	
10·2	25	23·3	48·8	
10·1		31·9	2·2	
10·2		53·6	2·1	
9·5	26	18·3	38·2	
8·4		42·3	57·8	8·3 G–
10·4		44·3	38·1	
10·0		44·3	13·2	
7·9		47·3	47·0	7·3 G
8·9		59·3	11·0	8·5
10·4	27	6·8	13·8	
9·6		27·3	38·9	
9·8		56·3	34·3	
9·8	28	5·8	49·6	
8·9		13·3	23·3	9·0 G=
10·0		19·3	57·7	9·5
8·8	29	48·3	38·9	8·5 G
10·1		56·8	19·1	
10·0	30	15·6	2·7	
8·6	31	32·3	5·3	8·7 Ga
10·4	32	25·8	48·5	
8·4		56·0	39·7	8·0 Gtπ
10·1	33	3·1	51·1	
11·0		8·3	13·0	
9·7		18·2	1·8	
9·6		19·3	19·0	
10·4		22·3	20·8	
8·8		32·8	37·4	9·0
10·6		35·3	5·6	
8·8		38·1	24·1	9·0 G–
9·1		39·4	11·9	
10·6		39·6	13·5	
10·2		42·5	17·9	
9·4		51·3	43·5	
9·4		56·8	1·3	
10·6	34	3·1	14·7	
10·8		7·8	16·1	
8·2		8·1	27·4	8·8 G
11·0		11·5	13·3	
9·6		24·6	57·6	
9·8	35	11·2	27·6	9·5
9·4		17·7	33·1	9·5
10·4	36	21·2	1·9	
8·6		42·7	3·5	9·5
9·9	37	16·2	0·3	
7·6	38	9·7	56·8	7·0 GS–
10·8		19·2	20·9	
7·2		19·4	0·1	6·0 GStπ
10·4	39	15·2	40·5	
9·9		15·2	57·2	
10·4		17·3	18·8	
8·6		17·7	43·1	7·5 GS
9·9		33·7	8·8	
9·7		54·2	49·3	
10·0	40	8·7	57·1	
	+0	57·8	+3·1	

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601—660.

mag.	4h. m	s	—31° ′	
8·1	40	19·2	10·2	8·5 G–
10·2		32·2	45·3	
11·0		51·7	49·1	
10·0		53·2	20·0	
9·4	41	6·2	45·4	
9·9		42·9	57·8	
11·0		48·2	24·0	
9·2		51·2	9·9	
10·0	42	29·2	3·0	
9·1		52·7	31·1	
10·8	43	31·2	44·8	
9·7		38·2	6·6	
10·0		45·7	21·3	
10·6		49·7	15·0	
10·4	44	12·2	17·0	
9·0		21·7	1·9	9·5
8·0		25·7	38·6	7·8 G=
10·8		46·2	51·4	
9·2		50·7	38·8	
9·6		51·2	43·2	9·5 G
8·2	45	8·2	11·3	7·5 Ga
10·4		23·2	49·4	
8·8		26·2	25·4	9·0
9·1		38·2	58·4	
9·0		56·2	47·6	
10·6		57·8	50·1	
11·0	46	7·7	41·1	
9·8		23·7	1·2	
8·0		53·7	46·7	8·0 G
9·4	47	0·2	40·2	
9·6		40·2	52·6	
10·8		41·2	19·3	
9·9		48·2	55·7	
9·4		59·2	27·7	
10·8	48	0·2	44·8	
10·8		15·2	59·0	
10·6		27·2	19·7	
10·2		30·7	37·3	
11·0		32·7	39·2	
10·8		46·2	17·4	
10·8		53·7	42·1	
8·8		59·9	57·2	9·0 G
10·8	49	26·2	51·3	
10·4		30·2	41·4	
9·2		37·7	23·1	9·0
9·0		42·2	40·7	
10·8		45·2	3·6	
9·9		45·2	45·0	
8·1		56·2	37·6	8·0 G=
10·8	50	5·7	36·1	
10·4		11·2	11·8	
10·6		14·2	18·4	
11·0		19·3	22·2	
10·8		32·7	33·3	
9·7	51	7·7	3·2	
10·3		9·2	8·7	
8·6		32·7	47·3	9·2
9·0		48·2	54·4	8·2 G
11·0	52	2·3	37·9	
9·4		5·3	27·4	–
25pr.	+0	57·4	+2·6	

661—720.

mag.	4h.–5h. m	s	—31° ′	
8·6	53	27·3	9·1	8·8 a
9·2		51·3	18·9	9·5 G
9·6		51·8	49·6	9·5 G
8·8		54·3	50·0	9·0 G
10·0	55	3·8	40·0	
10·6		17·8	29·4	
8·6		27·3	53·0	8·5 G
9·4		32·3	42·1	
9·7		51·8	11·1	
9·6		53·3	37·2	
10·2		55·3	10·5	
10·6	56	14·2	58·1	
9·6		20·5	23·7	
9·2		28·3	26·2	
9·4		28·3	49·9	9·0
10·3		32·5	42·0	
8·8		33·3	51·3	8·8
8·6		35·8	34·6	7·5 GW=
8·6		47·3	35·3	8·5 GW–
10·0		49·3	54·1	
9·4		54·3	51·0	
8·0	57	22·3	31·7	7·0 GS–
9·2		33·8	52·7	9·2
7·3		39·3	57·3	6·5 GS–t
11·0		55·8	47·1	
9·8		57·1	3·6	
9·1		59·1	1·0	
10·8	58	5·8	43·7	
11·0		22·3	16·8	
10·1		43·8	11·9	
9·7		50·3	25·8	
11·0		55·8	44·3	
10·8	59	34·8	4·2	
10·0		51·8	44·5	
8·8		59·8	55·4	8·0
9·0	0	4·3	45·5	
10·1		7·8	50·9	
8·2		28·8	22·1	8·5 G=
9·8		39·8	18·5	
10·1		57·3	7·4	
9·7	1	2·8	8·5	
10·5		3·3	0·1	
9·2		7·8	14·9	
9·0		11·8	9·6	9·5
9·6		57·8	36·8	
9·3	2	29·8	28·5	8·8 ≡
9·3		56·8	14·2	
9·2	3	12·8	22·5	
11·0		16·0	2·3	
9·6		43·8	23·5	
9·8		56·8	43·4	
9·0	4	29·8	15·2	9·2
11·0		32·8	23·3	
10·2		44·8	46·1	
8·6		56·3	5·3	
10·4	5	14·3	48·1	
7·6		24·8	30·3	7·8 G–
10·5	6	13·3	35·7	
9·0		13·3	4·2	
10·4		33·8	18·9	
	+0	57·0	+2·2	

721—780.

mag.	5h. m	s	—31° ′	
9·3	6	39·8	55·0	
9·7		40·8	21·5	
9·0		41·8	2·5	
9·6		50·8	29·5	
8·8	7	55·3	27·3	9·5 –
9·0	8	8·4	59·7	
10·1		16·8	11·9	
9·5		46·3	20·9	9·0
9·7		51·8	15·8	–
9·6		52·8	42·5	
9·2		53·8	21·7	8·5
10·8	9	44·3	7·9	
10·1		49·8	21·7	
10·6		50·8	25·1	
10·4		54·3	18·6	
10·0	10	35·8	8·8	
9·6		43·8	40·8	
10·0		52·3	45·2	
8·6		56·3	18·8	8·5 a
8·4	11	28·3	5·5	9·0 a
9·4		42·8	53·7	9·5
10·2		49·8	7·0	
11·0		49·8	31·7	
9·2	12	0·8	58·4	9·0 G
9·8		4·8	14·1	
11·0		12·3	40·8	
7·6		16·3	25·1	7·8 GS=t
10·1		43·3	28·3	
8·8		48·8	42·0	9·2 G
10·2	13	24·3	5·5	
10·1		40·3	54·5	
10·0		59·3	14·2	
9·8	14	4·3	47·3	
9·8		25·8	10·4	
9·0		26·3	39·8	8·8 G–
9·0		28·8	48·9	9·3
11·0		33·3	25·6	
10·6		46·3	51·1	
10·2	15	4·8	24·6	
9·6		6·8	48·7	
10·1		14·8	25·9	
8·8		19·8	17·8	8·8 –
10·2		46·8	40·6	
10·6		55·3	38·1	
9·3		57·8	31·1	
10·6		57·8	58·1	
10·2	16	3·8	13·4	
10·4		26·3	10·1	
9·8		40·3	14·4	
10·0		46·6	0·9	
10·1		51·3	3·6	
10·6		55·0	57·8	
10·8		58·8	53·5	
9·0	17	13·8	42·7	8·8 G
8·6		43·3	34·3	8·5 =
8·8		57·3	51·6	8·8
9·8	18	1·3	49·9	9·5
9·3		25·8	48·7	9·0
9·7		28·8	38·9	
7·6		31·3	51·9	7·6 GS
	+0	56·7	+1·7	

781—840.

mag.	5h. m	s	—31° ′	
10·8	18	32·3	38·0	
10·5		42·3	23·6	
9·3		43·8	28·1	–
9·7		53·8	41·8	
10·4	19	3·8	0·8	
9·5		12·3	31·2	
10·6		12·8	57·3	
9·3		51·8	6·6	9·0 G
9·0	20	10·8	54·0	8·2 G
8·8		22·3	35·8	–
10·0		29·8	10·5	
9·0		38·3	54·9	9·5 G
10·2		47·3	3·5	
10·5	21	3·8	10·7	
9·6		6·8	45·1	
10·0		45·9	24·5	
9·8		47·1	47·0	
11·0		51·1	44·9	
10·4		59·9	43·2	
7·5	22	24·5	40·4	7·2 G=
10·0		32·2	51·7	
10·2		32·5	54·5	
9·5		40·4	57·7	
8·1		43·5	51·7	8·8
10·5		43·5	2·8	
9·4		53·0	8·3	
8·8	23	10·5	7·4	=
9·0		12·5	27·5	
10·5		14·1	57·4	
8·7		27·5	44·9	
8·2		36·6	56·7	7·8 G
8·2		52·5	11·2	8·5 =
10·2	24	17·5	21·8	
9·6		38·0	14·2	
8·6		39·5	3·4	7·8 G≥
9·2		56·0	41·5	9·5
10·2		56·5	36·5	
9·4	25	7·0	4·9	9·0
9·4		24·2	52·1	
9·6		51·2	24·3	
10·4		54·2	16·4	
9·5		59·2	49·7	
10·5	26	18·2	40·0	
9·2		30·7	23·8	9·2
9·5		32·2	37·4	
10·0		33·7	7·4	
10·5		42·9	28·4	
10·0		47·2	27·2	
10·4	27	15·7	26·0	
9·4	28	18·7	48·5	
8·6		25·2	20·0	
9·4		38·2	48·2	
10·5		40·7	17·7	
8·9	29	4·7	32·2	–
9·2		21·9	29·0	
8·9		36·4	52·9	8·8
9·4	30	2·4	12·9	
10·0		11·4	48·2	
6·8		14·0	46·7	8·0 GS
9·2		16·5	25·3	=
	+0	56·6	+1·3	

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841—900.

mag.	5^h m	s	—31° ′	
9·8	30	20·0	35·0	
10·2		22·5	48·8	
10·4		25·0	23·9	
8·9		36·5	30·1	–
10·4		39·0	55·1	
9·8		59·5	10·4	
8·9	31	0·0	31·6	:
9·6		1·0	29·1	
9·6		14·7	9·0	
10·5		44·0	10·0	
9·8		46·5	43·2	
9·4		53·0	42·8	
10·5	32	0·0	45·0	
9·8		3·0	42·6	
10·4		3·0	45·1	
9·0		13·0	45·0	
9·5		33·5	51·8	
10·0		35·7	36·2	
9·0		43·5	10·7	9·0 GWa
9·5		44·6	47·9	
8·2		47·1	8·2	7·5 GSa
9·6	33	59·1	41·1	
10·5	34	16·1	33·4	
9·2		50·6	4·9	
7·4	35	23·6	18·7	8·0 G≡
9·2		31·6	38·9	
9·8		40·6	26·9	
10·2		44·6	27·8	
9·0		57·1	16·0	
10·2	36	0·1	39·2	
8·9		6·1	27·9	8·5 –
8·2		10·1	24·2	8·0 G≡
10·0		15·6	35·1	
9·4		17·6	29·7	
9·0		27·6	17·5	8·5 G–
10·0		45·6	37·3	
10·2		59·6	42·9	
9·4	37	1·3	22·4	
9·0		27·0	58·2	8·5
9·6		43·3	55·6	
8·7		50·0	57·6	9·0
10·4		50·6	58·5	
10·2	38	46·8	12·2	
8·9	39	1·3	7·2	9·2 G
9·4		12·8	12·9	
9·8		20·8	42·4	
9·0		25·8	37·4	
9·8		52·3	52·2	
10·5		56·3	14·0	
7·2	40	31·9	43·3	7·0 GS–
10·0		40·9	16·2	
10·2		42·9	11·9	
9·2		45·4	17·1	
8·2		58·9	33·9	=
10·2	41	12·4	51·4	
10·4	42	0·9	11·2	
9·4		2·4	41·4	
10·4		5·4	11·0	
10·2		8·9	4·3	
10·2		18·8	51·5	
25pr.	+0	56·4	+0·9	

901—960.

mag.	5^h m	s	—31° ′	
10·5	42	23·4	31·9	
10·5		36·4	2·3	
10·5		49·8	11·7	
10·0		53·4	36·1	
8·0		54·4	20·6	8·5 =
9·6		54·9	7·4	
10·5	43	0·8	14·1	
10·5		12·4	13·0	
10·4		41·7	57·8	
10·2		45·8	9·0	
10·0		45·9	19·2	
9·2		50·4	48·7	
9·4		50·9	17·6	9·5
9·8		51·2	23·0	
10·4	44	1·3	17·4	
8·8		1·7	39·7	9·0
8·0		22·2	43·8	7·8 G
9·6		30·2	23·6	
8·7		35·2	7·9	9·0 a
9·2	45	27·2	45·2	
9·2		50·2	12·6	
9·6		55·7	1·5	
9·5		57·4	0·4	9·5
10·4		59·1	49·2	
9·2		59·9	0·2	9·5
10·4*	46	2·3	59·8	
9·8		2·7	31·6	
10·2		26·1	20·5	
10·2		38·9	31·0	
9·1		49·1	32·1	9·0 –
8·6		53·6	47·7	8·5
10·4	47	8·6	15·6	
9·0		20·1	31·6	9·0 –
10·0		42·6	6·0	
10·0		46·1	48·5	
9·9		58·1	37·5	
9·9	48	16·7	28·7	
9·2		23·2	48·6	
10·4		37·7	44·3	
9·1	49	1·7	42·6	9·0
10·4		1·7	30·4	
10·0		9·2	30·9	9·0 G
8·8		40·7	9·6	8·2 =
9·7		57·2	15·2	
9·7	50	8·2	7·5	
9·1		19·7	38·1	
8·4	51	3·2	53·8	8·2 G
6·7		17·2	33·0	7·2 GStπ
9·0		33·0	2·6	
6·2		39·2	24·0	5·8 GStπ
10·0		46·7	27·2	
10·0		47·7	26·2	
7·3	52	9·5	59·6	6·8 GSt
9·8		13·5	59·0	
10·2		14·6	52·4	
8·6		23·2	16·2	8·5
10·2		43·0	0·2	
10·4		51·2	36·7	
9·9		54·2	27·4	
8·4	53	16·2	56·0	7·3 G
	+0	56·4	+0·5	

961—1020.

mag.	5^h–6^h m	s	—31° ′	
9·1	53	16·2	39·9	9·5
9·4		21·7	13·6	
9·7		32·7	7·6	
8·8		42·0	2·0	9·0 =
8·5		45·7	53·4	9·5 G
9·0		47·2	45·2	
8·8	54	3·7	32·4	
10·2		16·2	59·2	
9·0		36·7	37·5	9·0
10·4		42·7	39·1	
9·6		44·7	28·0	
10·4	55	7·2	3·2	
9·4		12·2	30·8	
10·4		36·8	39·8	
9·5		38·8	36·4	
8·6		40·0	3·0	8·2 G≡
10·4	56	27·8	21·8	
8·5		29·3	43·8	8·5 G–
9·6		29·3	26·0	
9·6		45·8	8·0	
9·4		53·8	23·8	
10·4		55·3	33·0	
9·1		55·8	32·8	
10·2		59·3	28·1	
10·4	57	11·8	3·4	
9·2		15·3	49·4	
10·4		36·3	23·0	
8·8		44·8	56·2	
10·4	58	4·8	42·8	
10·4		15·8	19·6	
10·4		39·8	35·2	
9·5	59	3·0	1·0	–
10·4		24·8	3·8	
9·7		25·8	13·8	
9·1		48·8	27·4	
9·5		54·3	6·2	9·5 G–
9·8		54·3	16·6	
9·2	0	12·3	7·8	
9·2		14·8	34·4	
9·7		15·8	3·3	
9·6		18·3	18·4	
10·2		38·3	34·4	
9·2		42·8	13·6	
10·4		56·8	47·9	
9·0		58·8	22·8	8·5 G–
9·5	1	12·8	13·4	
10·4		27·3	57·4	
10·0		28·8	33·6	
9·7		33·3	30·0	
9·0		35·8	1·4	9·0
8·1		36·8	39·4	
10·0		40·3	52·1	
10·0		41·8	52·3	
10·4	2	2·0	57·9	
10·2		2·3	12·2	
8·2		3·3	24·2	8·0 G=
8·6		4·5	59·2	
9·8		6·3	43·9	
9·0		11·8	30·0	9·0 –
7·9		26·8	53·1	8·0 G–
	+0	56·3	+0·1	

1021—1080.

mag.	6^h m	s	—31° ′	
10·0	2	37·8	38·5	
10·4		42·8	3·3	
10·4		46·8	43·6	
10·2		51·5	58·9	
10·2	3	1·8	10·2	
10·4		12·8	28·4	
10·4		15·8	26·3	
9·7		24·3	10·1	
9·7		32·3	55·5	
8·2		33·1	20·7	9·0 G– :
9·4		40·9	59·2	
10·0		54·1	8·6	
8·8	4	5·1	34·0	
9·4		16·1	21·8	9·5
10·2		30·1	20·5	
9·9		30·6	22·0	
8·8		40·1	50·8	8·5 G–
8·4		46·1	0·3	8·5 GSa
10·4	5	2·6	17·4	
9·9		20·6	21·2	
8·8		27·1	40·0	
8·8		33·1	21·9	=
10·0		36·2	51·0	
9·5		38·1	50·5	
9·5		58·8	1·0	
8·6	6	21·1	44·8	8·0
9·2		21·1	27·8	–
9·8		43·6	16·8	
8·5		51·6	29·4	
10·2		54·1	55·5	
9·7	7	0·6	32·2	
8·6		3·1	56·8	8·8 –
9·6		24·4	58·2	
10·4		33·1	18·6	
9·2		38·1	13·6	
10·4	8	13·1	19·6	
9·2		27·1	54·8	
10·2		28·6	52·8	
10·4	9	0·1	14·5	
10·4		25·6	4·0	
10·2	10	3·0	37·5	
10·2		11·1	48·9	
9·4		14·4	20·7	
9·6		27·6	32·7	
10·0		30·6	44·0	
10·2		40·9	0·2	
9·3		52·4	49·9	
10·2		57·6	51·6	
10·2	11	7·0	57·1	
9·8		20·1	27·2	
10·2		26·0	11·8	
10·2	12	1·6	52·2	
9·0		4·1	37·2	9·0 G=
8·4		8·1	31·7	8·5 G≥
10·0		27·0	18·4	
9·1		35·1	55·1	
10·0		53·6	9·9	
9·8	13	4·1	15·7	
10·0		15·6	21·7	
10·2		15·6	25·3	
	+0	56·4	−0·3	

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1081—1140.

mag.	6h. m	s	—31° ′	
10.2	13	16.5	23.8	
9.8		35.6	50.7	
9.2		44.1	45.4	
10.2		49.9	28.4	
10.2		59.4	13.8	
9.4	14	4.9	51.0	
10.2		27.6	10.3	
9.6		36.4	42.9	
10.2		52.9	43.8	
10.2		54.9	45.6	
9.3	15	3.4	51.2	
9.8		7.4	28.7	
10.2		21.6	18.3	
9.0		28.6	40.5	9.0 >
10.2		42.4	55.8	
9.1		45.4	34.7	
9.3		57.4	51.4	
10.2	16	6.9	18.3	
9.4		22.2	58.8	
9.6		32.9	39.5	
10.0		35.4	26.4	
10.2	17	10.9	32.7	
9.1		12.4	22.7	
9.3		26.4	18.7	
9.1		40.9	42.2	
8.8		50.9	16.1	≡
9.0	18	4.9	44.1	
9.6		4.9	1.0	
9.4		6.9	47.3	
10.2		15.9	26.1	
9.0		32.4	35.8	
7.6		33.9	43.5	7.0 GSct
10.2		36.6	5.6	
9.6		37.4	26.0	
9.6		43.9	25.0	
9.6		43.9	19.0	
10.0		54.6	13.3	
9.4		55.1	6.9	
9.0	19	21.1	52.1	9.0
10.2		21.4	1.5	
10.2		22.1	23.2	
8.2		22.1	42.2	8.5 G
10.2		23.1	33.0	
10.2		23.6	33.4	
9.0		32.1	46.2	9.0 G
8.2		32.1	5.6	9.0 a
8.6		43.1	46.6	
8.4		55.1	46.7	9.0 G
9.3	20	0.1	18.1	
8.2		5.1	46.0	8.5 G
9.1		7.6	47.7	
10.2		10.9	0.4	
10.0		11.6	36.8	
9.6		18.6	29.0	
8.2		33.1	29.5	≡
10.0		36.3	5.0	
9.0		38.1	18.8	
8.8		42.1	5.0	8.5 Ga
10.2		46.1	37.6	
9.2		47.6	7.0	G
25pr.	+0	56.4	−0.7	

1141—1200.

mag.	6h. m	s	—31° ′	
9.4	20	52.1	55.9	
8.8		53.6	27.5	
10.2		54.1	30.0	
10.0		54.6	12.3	
8.4		56.1	24.5	8.0 ≥
10.2		56.3	38.7	
9.1	21	6.1	50.3	
10.2		6.6	0.5	
10.2		11.6	46.2	
9.6		16.1	13.0	
10.2		17.6	4.0	
9.0		27.1	52.7	
10.0		44.6	10.6	
9.8		47.6	30.4	
10.0		56.0	1.5	
10.2	22	5.1	0.1	
8.2		8.6	47.8	8.2 G−
10.2		12.6	19.9	
8.8		27.1	40.2	9.0
9.4		33.3	1.6	
9.8		35.0	10.5	
10.2		39.2	28.0	
8.8	23	3.5	51.0	9.0
9.4		7.0	24.8	
10.0		7.2	36.4	
10.0		11.0	4.2	
10.2		12.5	36.8	
9.8		16.5	55.4	
10.0		18.5	56.6	
9.3		25.0	47.0	
10.2		33.2	23.0	
9.3		47.5	27.0	
9.3		51.5	56.3	
9.1		53.0	21.0	
9.4	24	10.5	45.6	
10.0		15.0	35.1	
10.2		19.2	27.9	
9.4		26.0	24.4	
10.0		37.0	49.3	
10.2		43.0	8.8	
10.0		46.0	2.6	
9.4		54.0	57.2	
10.0	25	2.2	56.5	
10.2		3.0	11.0	
9.0		10.0	48.9	
7.6		16.5	5.5	8.0 GSb≥
10.2		20.5	11.4	
10.2		21.2	21.1	
10.0		24.0	37.8	
9.4		25.0	13.6	
9.6		27.0	15.8	
10.0		27.5	13.2	
9.4		30.7	2.1	9.0
10.0		35.5	15.2	
9.8		38.0	53.2	
9.0		40.0	13.6	G
9.6		42.5	2.1	
10.0		50.0	40.7	
9.8		50.5	41.0	
9.8		56.0	47.9	
	+0	56.4	−0.8	

1201—1260.

mag.	6h. m	s	—31° ′	
9.6	26	7.5	39.2	
9.6		11.0	18.2	
9.8		17.0	35.4	
10.2		25.8	10.8	
9.6		30.8	38.9	
10.2		31.7	30.2	
9.0	27	13.3	9.6	8.5 GW−
10.0		22.8	6.5	
9.2		23.8	19.7	
10.0		24.8	27.1	
9.1		28.8	45.2	
8.8		34.3	38.7	−
10.0		34.8	19.7	
9.0		38.3	47.1	
10.2		39.1	0.2	
9.8		47.8	48.8	
10.2		52.8	5.1	
5.4		58.8	56.3	6.3 GStπ
10.2		58.9	19.5	
9.8	28	25.8	35.7	
10.2		26.3	36.1	
10.0		51.4	58.9	
10.2		56.3	16.4	
8.8	29	2.8	57.1	
9.8		5.8	46.4	
9.0		22.8	32.6	
9.0		26.3	51.1	
10.2		26.8	13.5	
10.2		33.9	39.7	
9.4		51.8	49.3	
8.6		57.8	43.3	9.0
10.0	30	2.8	7.8	
9.6		3.9	11.2	
10.0		11.8	43.4	
9.4		13.2	2.8	
8.8		13.8	11.6	≡
8.0		15.8	44.7	8.0 −
9.6		18.3	3.8	
8.7		26.3	34.0	8.5 −
9.8		31.8	12.1	
10.2		32.9	23.3	
9.1		35.3	53.8	9.0
8.8		41.3	41.6	8.0
10.2		41.3	58.2	
9.0		42.8	47.7	
7.6		44.8	29.4	8.0 =
9.4		44.8	20.5	
10.0		46.8	55.5	
10.0		54.3	49.8	
10.2		54.8	59.9	
10.0	31	7.3	20.8	
10.2		8.3	6.8	
10.2		8.3	3.9	
10.2		11.8	47.7	
10.0		12.8	57.9	
9.4		20.8	59.9	
10.0		24.3	39.3	
9.8		32.5	59.6	
10.0		36.3	5.7	
9.6		45.8	33.0	
	+0	56.5	−1.1	

1261—1320.

mag.	6h. m	s	—31° ′	
7.4	31	46.8	47.1	7.5 GStπ
10.2		50.3	49.6	
10.2		51.8	54.0	
9.8	32	5.8	13.5	
9.6		5.8	3.1	
9.6		8.3	42.3	
10.0		10.3	45.7	
9.8		11.8	46.7	
9.8		12.8	14.0	
10.0		21.8	32.2	
9.4		23.4	2.3	
10.0		24.6	8.8	
9.4		41.3	50.4	
9.8		42.3	38.5	
9.0		46.3	20.8	=
9.4		50.6	54.9	
10.0		57.8	55.7	
10.0	33	5.8	41.0	
9.4		12.3	4.5	
10.0		30.3	43.3	
9.6		34.8	28.7	
9.8		36.8	13.2	
9.3		38.8	49.9	
9.6		44.3	48.5	
8.7		47.8	35.0	
9.3		48.3	21.1	
10.0		51.4	0.0	
10.0	34	1.8	57.1	
10.2		10.8	9.0	
10.2		11.8	35.2	
9.9		11.8	31.7	
10.2		13.3	47.1	
8.8		15.6	17.7	9.0 =
10.2		21.3	38.8	
10.2		22.7	23.0	
9.1		22.8	40.9	
9.4		26.8	9.7	
9.6		28.8	49.2	
7.2		32.8	43.4	8.2 =
9.6		32.8	35.0	
9.1		33.9	43.1	
9.4	35	32.4	51.7	
9.4	36	47.9	29.0	9.0 −
9.6		49.9	38.8	9.0
9.8		51.9	7.2	
7.5	37	35.9	32.8	7.8 GW=
9.8		58.4	24.6	
8.8	38	3.4	29.0	9.0 G−
9.2		18.9	53.5	
9.0		25.9	17.6	
9.4		50.9	39.0	9.0 G
9.0	39	23.3	58.3	9.0 G−
9.8		47.4	42.2	
9.8		57.4	49.6	
9.8	40	2.9	25.8	
7.6		24.0	31.4	7.8 GS
9.6		37.5	31.2	
9.0		40.0	8.1	9.0 G
6.9		42.5	39.2	6.5 GStπ
8.5		50.0	22.2	8.5
	+0	56.5	−1.2	

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1321—1380.

mag.	6h. m s	−31° ′	
9·8	40 55·5	19·7	9·0
9·4	41 9·5	26·0	
9·0	55·3	1·9	9·5
9·8	42 15·5	26·1	
9·0	31·0	9·0	9·0
8·8	42·0	53·3	8·2 G−
8·8	43 22·0	29·3	9·5
9·8	26·0	41·7	
9·0	39·0	20·4	9·0
9·6	48·0	11·6	
8·0	54·0	13·1	8·0 G≡
8·4	44 36·0	24·6	9·0
8·5	55·5	7·1	=
6·3	45 40·5	33·7	6·0 GStπ
8·0	43·0	19·8	8·5 G
7·8	43·5	33·3	8·0 GWtπ
7·8	54·0	8·0	7·5 GSa
8·8	46 13·4	58·6	8·5
9·8	53·0	1·8	
9·2	47 2·0	40·9	
7·5	37·0	51·8	7·7 G−
8·8	47·0	4·1	9·5
9·8	48 2·0	21·7	
9·8	7·0	16·3	
9·8	16·0	21·8	
9·8	35·5	39·9	9·0
8·5	40·5	3·2	9·5
8·8	48·0	37·1	8·5
7·8	49 11·0	27·7	8·0 G≡
9·6	33·0	31·2	
6·7	36·0	38·7	7·0 GS≡
9·0	41·0	8·5	
9·0	50 6·0	32·6	8·0 GW
8·4	8·5	20·4	9·0
8·4	24·0	13·3	9·0
9·6	53·2	12·7	9·0
6·4	51 12·2	37·7	6·5 GS≡
8·8	33·2	5·2	8·5 =
9·4	43·2	23·0	
8·8	52·2	13·0	8·0 G
9·8	52 0·1	54·5	
9·8	26·2	33·0	
9·8	29·7	15·0	10·0
9·4	36·2	13·4	9·0 G
8·2	42·2	13·4	8·5 G≡
9·8	53·2	49·6	
9·0	56·7	2·0	
9·8	53 12·2	12·2	
9·8	22·7	53·8	
9·8	34·2	15·8	
9·8	58·7	51·8	
9·2	54 29·7	21·1	9·0
9·8	54·7	7·0	
9·4	55 0·7	7·8	9·5
8·4	16·2	3·5	8·5 G=
9·4	18·7	24·0	
8·4	22·7	27·2	
9·0	30·2	35·8	−
9·8	56 0·2	32·5	
9·0	40·2	11·0	9·0
25pr.	+0 56·8	−1·8	

1381—1440.

mag.	6h–7h. m s	−31° ′	
9·8	57 26·7	28·7	
9·8	40·4	32·6	
9·8	57·2	43·0	
9·2	58 6·2	22·8	9·0
9·1	16·2	7·4	9·5
8·8	46·5	37·3	9·0 −
9·6	57·7	7·2	
9·2	59 19·7	1·0	9·5
8·7	24·7	37·2	
8·5	45·7	47·7	8·0 G
9·6	47·7	3·1	
7·8	52·7	49·3	8·0 −
9·6	0 0·2	11·8	
7·6	1·2	45·6	
9·2	5·7	23·7	
8·7	13·7	20·3	7·5 G=
9·6	17·7	5·9	
9·6	34·0	58·0	
9·6	41·7	15·0	9·5
9·4	50·7	44·3	
9·2	1 32·2	11·8	9·0 G
8·0	50·2	53·9	8·5
9·2	54·2	42·2	9·5
9·6	2 15·7	44·0	
9·0	20·7	35·8	9·0
9·6	22·7	5·1	
9·6	28·2	5·7	
8·1	37·7	39·6	8·5 ≡
9·5	42·2	11·1	
9·6	44·2	51·3	9·0
8·7	46·2	36·7	8·5 =
8·9	52·2	27·8	8·5
8·9	55·7	34·4	9·5
9·6	3 3·2	29·3	
8·3	13·2	12·8	9·0 GW
8·4	14·7	18·1	9·0 G
9·6	17·7	36·0	
8·7	22·2	45·4	
7·8	24·2	13·8	9·5 GS−
9·5	50·7	13·3	9·0
9·6	55·7	31·2	
9·6	4 14·7	31·7	
8·7	17·7	42·6	9·0
7·7	23·7	44·0	8·0 G≡
9·4	25·7	12·5	
8·3	32·7	16·4	9·0
9·4	5 25·3	0·1	
8·5	31·2	38·6	9·0
9·6	32·2	57·0	
8·4	56·7	11·7	=
9·5	6 3·2	28·0	
9·6	14·9	1·0	
9·6	33·7	36·0	9·5
8·7	46·2	44·6	9·0
9·6	50·2	16·8	
9·2	7 7·2	16·3	
9·6	16·7	41·8	
8·4	38·7	46·3	7·5 G
9·6	46·2	4·1	
9·2	47·2	59·1	
	+0 57·1	−2·3	

1441—1500.

mag.	7h. m s	−31° ′	
9·6	8 13·9	24·8	
9·6	20·7	30·2	
9·6	21·9	8·8	
9·6	22·7	10·7	
9·6	30·7	51·6	9·5
9·6	47·7	33·3	
9·6	9 11·9	16·5	
9·5	12·9	24·7	
8·8	14·2	12·0	
7·7	16·2	25·7	7·5 G≡
9·4	20·7	52·4	
9·2	25·7	43·7	
9·2	26·2	20·3	
9·4	42·7	17·4	
9·4	43·7	23·8	9·0
7·8	47·2	16·7	8·0 G≡
9·6	53·2	39·6	
9·6	10 5·7	11·9	
9·6	7·2	40·0	
8·5	33·2	41·4	9·0
8·7	34·2	43·2	9·0 −
9·6	40·0	44·7	9·0
9·2	47·7	19·9	9·0
9·2	11 15·7	31·6	
8·4	23·2	3·2	−
9·6	32·9	2·7	
8·2	33·6	49·2	7·0 G−
8·4	38·6	3·8	−
9·2	42·1	4·0	
9·6	12 5·4	3·7	
9·5	39·4	33·6	9·0
9·6	45·6	18·9	
9·6	50·1	53·7	9·0 −
8·5	55·1	55·2	9·0
9·1	55·6	46·4	
9·6	13 6·1	16·6	
8·5	6·1	28·0	8·5 ≡
9·2	13·6	8·2	
9·5	23·1	48·9	9·0
8·9	24·1	31·6	
8·9	41·6	46·2	
9·6	50·6	55·5	9·0
8·1	55·6	0·0	8·0 GW≥
8·5	14 7·6	46·8	
9·6	9·1	38·1	9·0
9·6	13·1	12·0	
9·6	23·1	26·4	
9·6	52·6	32·2	
8·9	15 5·6	34·0	9·5
9·6	12·1	53·3	
8·6	17·1	28·5	9·0
9·6	17·6	7·4	
9·4	34·1	58·0	9·0
8·6	37·1	25·3	8·5 ≡
9·6	39·1	19·0	
8·3	42·1	56·4	8·5
8·4	16 4·1	48·4	8·5 G−
9·6	23·1	15·0	
9·4	27·1	43·8	
8·6	29·6	47·4	9·0
	+0 57·3	−2·6	

1501—1560.

mag.	7h. m s	−31° ′	
8·6	17 3·1	29·0	
8·4	12·4	57·2	9·0
8·6	15·6	13·0	−
9·6	18·4	53·9	
8·7	19·6	46·7	9·0
8·9	25·1	47·7	8·0 G−π
9·6	32·4	24·4	
9·6	32·5	46·6	
9·2	35·5	25·2	
8·9	42·5	52·7	
8·6	50·0	0·4	8·0 GW≥
7·2	50·0	48·4	7·5 GStπ
6·3	18 14·5	41·0	6·0 GStπ
9·2	24·0	41·0	9·0
8·0	29·0	48·3	8·0 G
8·8	33·0	14·7	
9·6	34·0	35·7	
8·5	43·0	31·5	
8·1	46·0	3·7	8·5 W≡
6·2	46·3	57·7	6·0 GStπ
9·6	51·8	2·1	
8·7	19 0·5	54·7	9·0
9·5	0·5	10·3	
9·2	5·0	29·0	
8·7	6·5	48·7	9·0
8·5	15·5	40·0	
9·4	15·5	43·0	
8·5	16·5	39·0	7·5 G
8·2	16·5	55·0	8·5
8·3	20·0	47·0	8·5
8·5	20·5	38·9	
9·1	21·0	31·5	
8·7	50·0	49·4	9·0
9·1	53·0	36·5	9·0
9·6	53·5	28·8	
7·9	54·0	32·2	8·0 GW−c
7·3	56·5	33·8	5·0 GStπ
8·5	20 15·5	58·9	9·0
9·1	36·0	10·3	
8·3	37·3	59·2	9·0
9·6	47·0	9·0	
7·2	55·5	29·4	7·0 GStπ
9·6	57·5	44·8	
9·6	21 13·4	23·8	
7·6	22·0	23·7	7·5 G≡
9·8	22·7	58·7	
10·0	23·7	43·7	
10·0	24·3	48·3	
9·4	25·8	14·9	
9·4	26·4	2·5	
9·7	42·3	34·9	
10·0	42·7	25·6	
9·7	43·8	19·9	
10·0	51·7	22·0	
10·0	55·3	22·7	
10·0	22 0·7	25·5	
9·6	1·1	47·5	
9·5	3·2	2·1	
8·7	4·5	57·5	8·5 G−
9·8	25·1	25·7	
	+0 57·5	−2·8	

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1561—1620.

mag.	7h. m	s	–31° ′	
10·0	22	33·8	27·9	
8·6		36·3	26·1	8·5 –
10·0		38·5	0·7	
10·0		39·3	3·0	
9·5		39·8	0·3	
8·6		42·9	41·2	9·0
9·5		44·4	16·1	
10·0		44·9	26·3	
10·0		45·4	23·7	
9·7		51·4	53·5	
9·8		54·4	25·0	
8·9		58·4	54·7	
8·8	23	7·4	41·6	8·5 G
10·0		11·4	54·0	
10·0		11·9	44·0	
10·0		12·9	5·8	
10·0		12·9	34·6	
10·0		19·4	48·8	
9·6		20·2	10·1	
9·4		22·4	54·4	
9·4		22·4	32·5	
8·7		36·4	52·6	9·5
10·0		39·0	1·8	
8·8		39·0	10·1	
9·5		51·9	43·3	
6·2	24	2·9	35·4	7·0 GStπ
9·4		12·4	24·2	
5·6		15·9	11·9	6·5 GStπ
9·4		16·9	38·9	
9·4		21·7	56·9	
10·0		23·4	56·0	
9·8		24·4	13·0	
9·2		25·9	7·4	
10·0		42·9	43·9	
10·0		42·9	25·9	
10·0		43·4	25·4	
10·0		45·9	17·6	
9·2		50·4	38·4	
8·6		51·9	53·9	8·2
10·0		52·1	11·6	
9·8		54·4	27·1	
8·9	25	12·2	1·8	
9·5		25·7	46·9	
9·5		32·2	17·0	
9·5		32·2	15·8	
9·6		38·2	47·7	
10·0		44·7	12·2	
9·4		45·7	15·4	
10·0		46·3	32·8	
9·8		47·2	13·9	
9·8	26	6·2	44·2	9·5
8·8		6·7	4·8	
9·8		8·7	54·7	
10·0		12·2	13·4	
9·4		14·2	54·5	9·0
9·4		17·2	50·9	
9·4		23·2	50·0	9·0
9·5		23·7	25·6	
8·6		29·2	7·7	9·0
9·0		46·2	14·6	
25pr.	+0	57·7	–3·0	

1621—1680.

mag.	7h. m	s	–31° ′	
9·2	26	56·7	24·9	9·5
9·3	27	6·2	31·6	
9·4		13·2	52·8	
8·7		16·7	19·4	9·0
10·0		17·2	20·2	
9·3		18·2	29·9	
10·0		33·2	23·6	
10·0		33·3	44·3	
10·0		34·5	1·8	
8·8		52·2	0·0	8·8 –
9·5		53·7	16·9	
9·5		54·2	5·1	
10·0	28	0·7	33·3	
9·4		1·2	47·7	
10·0		3·3	16·5	
9·8		4·2	47·7	
8·9		7·2	11·6	8·5 G≥
9·4		15·2	5·2	
9·7		21·7	50·5	
9·4		22·2	15·3	
10·0		33·2	47·6	
9·6		33·8	52·9	
8·9		38·8	39·9	
9·4		46·3	13·9	
9·7		46·3	46·0	
10·0		46·3	3·0	
9·4		47·3	38·8	
9·8		49·3	16·1	
9·4		52·3	8·1	
9·5		53·3	17·5	
8·9		53·8	38·5	
9·2		54·3	3·9	9·0
9·5		54·6	1·1	
10·0		55·5	14·9	
9·2	29	1·8	32·3	
9·8		3·5	34·5	
9·4		4·8	11·3	
9·5		10·3	41·7	
9·6		22·3	55·2	
10·0		25·5	56·1	
10·0		26·8	34·7	
9·5		33·3	46·6	
9·7		36·3	43·2	
8·7		40·8	52·2	9·0 –
9·2		41·4	57·8	
10·0		44·5	35·6	
10·0		46·5	20·5	
8·8		51·3	11·1	
9·4		53·3	25·8	
9·0		53·8	10·0	
10·0	30	5·3	12·0	
9·4		6·3	47·5	
10·0		14·8	31·3	
9·8		16·5	20·6	
10·0		17·5	11·2	
8·6		19·8	14·0	8·5 G≡
9·2		30·3	4·2	
9·4		38·8	54·1	
9·8		40·3	33·5	
10·0		42·5	10·8	
	+0	57·9	–3·2	

1681—1740.

mag.	7h. m	s	–31° ′	
9·4	30	44·3	34·1	9·5
9·4		46·3	15·1	
9·6		53·3	19·0	
9·8		57·3	53·1	
8·6	31	0·8	55·8	8·5 –
9·8		6·8	3·0	
10·0		10·4	56·1	
9·8		11·9	39·1	
9·2		14·4	37·8	
9·6		14·6	1·7	
9·7		16·4	10·9	
9·3		16·4	19·1	
9·4		17·4	5·9	
9·4		19·9	6·8	
10·0		22·4	55·5	
10·0		23·4	13·6	
9·8		24·4	28·9	
10·0		24·4	53·4	
10·0		36·4	25·2	
10·0		36·4	57·1	
8·7		42·9	56·2	
10·0		42·9	51·0	
8·8		43·4	2·6	8·0 GW≥
8·9		57·4	17·9	
9·4	32	2·4	18·9	
8·6		2·4	3·4	9·0 GW
10·0		4·4	16·2	
9·2		5·4	49·5	
10·0		15·4	41·1	
10·0		16·4	48·5	
9·4		16·9	50·6	
8·8		24·4	59·1	9·0
9·4		26·4	37·4	
9·2		50·4	19·0	
9·8		50·4	43·2	
10·0		52·4	47·5	
10·0		56·4	10·3	
9·7		57·4	17·3	
10·0	33	7·4	35·2	
7·6		8·9	50·9	7·0 GS–
10·0		8·9	27·1	
10·0		9·9	17·3	
9·4		19·4	47·9	
7·8		20·4	10·2	GSa
9·8		25·4	1·8	
9·5		27·4	53·3	
9·7		34·5	58·8	
8·9		36·4	14·0	=
10·0		37·4	58·9	
9·8		37·4	43·5	
8·4		38·4	34·7	8·0 GS
9·3		38·4	3·7	
10·0		40·4	35·1	
9·2		52·4	51·0	
9·4		52·4	2·0	
9·3		52·9	29·9	8·5
9·7		53·4	18·5	
8·4		53·9	26·7	8·0 –
9·7	34	3·9	14·0	
9·8		4·5	58·7	
	+0	58·0	–3·3	

1741—1800.

mag.	7h. m	s	–31° ′	
9·4	34	12·4	5·6	
9·4		13·9	47·9	
10·0		17·4	26·5	
8·6		18·4	49·2	
10·0		24·4	36·0	
8·4		26·4	1·1	8·0 =
9·5		31·9	21·6	
10·0		32·4	55·9	
10·0		33·4	49·2	
10·0		34·4	6·4	
9·4		35·9	35·4	
8·8		49·4	45·8	
9·8		52·4	54·2	
10·0		53·4	54·2	
10·0		56·4	31·4	
9·2		58·4	11·6	9·0
8·4	35	7·4	13·5	8·5
9·8		19·4	7·6	9·5
10·0		23·4	14·7	
8·9		26·4	51·6	
9·6		27·4	13·2	
10·0		33·4	26·9	
9·5		36·4	24·4	
9·8		38·4	0·6	
9·8		40·9	42·2	
10·0		43·4	32·9	
9·6		46·4	24·2	
10·0		47·4	25·0	
9·2		47·4	50·2	
9·7		48·4	20·6	
9·5		48·4	58·4	
9·4		55·4	34·9	
9·5		55·9	22·7	
9·6		55·9	22·5	
9·2		55·9	8·2	
8·2		56·4	13·7	8·0 ≥
9·4		56·4	25·5	
10·0		57·4	25·6	
9·8	36	0·4	26·0	
10·0		1·3	24·7	
9·0		1·3	39·1	
8·4		2·3	22·2	6·5 GS≥
9·5		3·3	16·0	
9·6		3·3	29·1	
8·8		3·3	24·0	8·5 G
9·4		3·3	23·8	
9·6		5·3	17·4	
10·0		9·3	58·1	
9·7		11·5	58·0	
9·8		12·3	23·6	8·0 G
9·6		13·3	30·2	
10·0		14·2	45·6	
9·4		18·3	35·6	
9·5		27·3	17·1	9·0
9·8		28·3	43·5	
9·8		28·3	48·0	
10·0		29·3	13·6	
8·5		40·8	6·0	8·5 =
10·0		46·8	39·1	
9·8		47·3	28·0	
	+0	58·1	–3·4	

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1801—1860.

mag.	7h. m	s	−31° ′	
9·6	36	48·3	57·0	
9·8		53·2	48·5	
8·9		56·3	23·6	8·0 ≡
9·2	37	5·8	25·6	
10·0		6·2	49·5	
7·5		12·3	47·2	7·0 GS
10·0		12·3	42·1	
10·0		16·3	6·4	
9·0		16·8	24·0	8·5 –
9·2		17·2	24·1	9·0
10·0		19·8	25·2	
10·0		25·2	38·2	
9·8		27·8	19·6	
8·4		32·3	26·8	8·5 ≡
9·3		35·8	30·7	
9·4		36·3	12·8	
10·0		47·0	58·7	
9·4		50·3	41·7	
9·8		53·3	12·2	
9·8	38	0·3	58·8	
9·0		2·8	21·6	8·5 G
10·0		7·5	59·0	
10·0		7·8	15·6	
8·5		10·3	36·4	8·5
9·0		14·3	4·3	
8·9		19·3	26·6	9·0
10·0		27·8	15·0	
9·8		33·3	11·0	
9·0		33·3	49·0	9·5
9·4		36·3	31·1	
10·0		37·3	5·7	
9·8		39·3	53·9	
10·0		41·3	38·3	
9·2		44·3	30·9	
10·0		45·8	7·7	
10·0		46·3	2·6	
9·5		47·3	4·2	
9·8		47·3	31·5	
10·0		48·3	3·8	
9·5		53·3	21·4	
8·6		58·3	49·6	
8·8	39	1·3	10·2	
10·0		3·3	55·8	
8·5		12·5	2·2	7·8 a
10·0		16·8	23·8	
9·8		17·3	33·0	
8·2		18·3	22·9	GS ≥
10·0		20·3	2·8	
10·0		25·3	3·1	
10·0		31·8	11·0	
9·8		33·8	23·6	
10·0		36·3	37·8	
8·6		37·3	24·9	–
9·7		43·3	32·6	
10·0		44·8	6·5	
8·4		45·3	56·3	8·0
9·3		50·3	45·9	
9·3		50·8	26·2	
8·8		52·8	0·0	9·0
9·2		53·3	28·2	
25pr.	+0	58·2	−3·5	

1861—1920.

mag.	7h. m	s	−31° ′	
9·8	40	6·3	32·0	
9·2		6·8	36·4	
9·5		10·3	54·0	
10·0		14·3	26·0	
9·2		17·8	11·4	
10·0		20·8	18·0	
8·9		27·3	4·6	
9·8		27·8	27·0	
9·4		28·3	19·1	
8·7		29·0	36·3	–
10·0		29·0	41·7	
10·0		30·5	48·4	
10·0		31·5	20·3	
10·0		32·5	36·8	
8·9		33·5	41·6	
10·0		36·5	23·9	
9·6		38·5	2·0	
9·4		40·5	35·1	
8·4		43·0	53·0	8·8
10·0		43·5	16·7	
9·5		47·5	3·2	
9·0		48·0	57·5	9·0
9·8		50·5	3·9	
10·0		52·5	10·1	
8·8		53·5	33·1	
8·8		58·0	6·6	
10·0	41	2·5	48·5	
9·8		8·0	28·8	
10·0		15·5	10·0	
9·3		16·5	29·3	9·2
9·6		28·0	0·9	
10·0		28·5	2·2	
10·0		29·0	48·0	
9·2		39·0	50·4	G
9·8		40·5	14·9	
9·8		41·5	2·3	
9·2		42·5	0·9	
9·4		54·2	59·3	
9·4		55·0	51·3	
9·3		56·5	49·3	
9·4		57·5	8·7	
9·5		57·5	27·3	
8·6	42	4·5	53·3	8·5
9·2		7·5	33·1	
10·0		10·7	27·9	
8·8		11·0	41·7	
9·3		13·0	47·6	
8·7		19·5	36·1	
9·5		22·0	52·3	
10·0		23·6	22·4	
10·0		26·6	12·2	
10·0		34·6	39·4	
9·8		38·6	54·7	
9·4		47·6	49·0	
9·4		48·1	26·7	
10·0	43	6·3	58·0	
9·8		9·6	11·9	
10·0		12·6	18·6	
10·0		15·6	11·7	
10·0		21·6	50·5	
	+0	58·2	−3·6	

1921—1980.

mag.	7h. m	s	−31° ′	
10·0	43	28·6	52·0	
10·0		31·1	36·9	
9·4		47·6	10·9	
9·4		48·6	16·6	
7·2		48·6	18·4	7·2 GStπ
10·0	44	10·1	51·4	
9·8		13·6	30·2	
10·0		19·6	49·6	
9·0		23·6	39·7	
9·8		26·6	54·2	
9·5		30·1	28·0	
10·0		32·6	5·4	
10·0		35·5	58·2	
9·2		46·6	16·2	
9·8		48·6	44·8	
8·8		49·6	15·6	9·5
9·2		51·6	55·0	
9·8	45	1·1	43·0	
10·0		3·6	5·1	
8·8		6·6	19·0	
10·0		12·6	10·3	
10·0		17·8	59·5	
10·0		18·6	39·1	
9·4		22·1	19·9	
9·8		31·1	51·8	
8·6		31·1	51·0	8·1
9·5		33·9	45·8	
9·6		34·9	46·6	
10·0		36·6	51·9	
9·5		38·9	38·8	
9·7		40·6	25·1	
9·8		42·6	43·3	
10·0		42·6	20·2	
10·0		43·6	20·1	
9·5		44·9	5·7	
9·6		47·6	29·7	
8·7		54·9	12·6	10·0
10·0		57·4	57·4	
9·4	46	6·6	6·6	
9·0		6·8	52·9	
10·0		10·6	37·6	
8·6		16·1	18·2	9·0
9·6		16·6	52·8	9·5
9·8		20·9	56·8	
9·8		21·1	39·0	
9·8		22·1	5·5	
9·7		22·1	21·7	9·5
9·4		22·3	56·4	9·5
8·2		25·4	18·9	8·0 –
9·8		36·9	57·8	
9·7		50·1	14·6	
8·8		51·6	50·8	9·5
8·1	47	4·6	19·0	8·0 G≡
9·8		16·6	51·6	9·2
8·8		21·6	10·0	8·5
9·4		24·1	28·5	
9·4		29·6	31·6	9·0
8·4		46·1	47·8	8·0 –
9·8		55·6	33·7	
9·2		57·1	56·4	
	+0	58·4	−3·7	

1981—2040.

mag.	7h. m	s	−31° ′	
9·4	48	13·1	11·8	9·5
8·5		20·6	29·0	7·5 G≡
9·7		28·6	22·2	
9·4		30·6	26·2	
9·8		31·6	34·8	9·0
9·8		52·1	12·3	
9·4		52·6	32·9	
9·4		54·6	8·2	
9·8		55·1	52·7	
9·8		56·6	22·2	
8·4	49	13·1	23·8	8·0 G≡
9·4		21·6	2·9	9·0
9·0		23·6	9·8	9·0 G
9·7		23·6	54·9	
8·8		42·6	18·0	7·8 G–
9·8		45·6	13·5	
9·8		51·6	44·5	
9·8		51·6	25·5	
9·8		54·6	20·3	
7·6		56·6	12·4	7·0 GSbt
9·7	50	1·6	42·6	
9·8		27·6	32·3	
9·4		38·6	33·9	9·5
9·7		40·1	5·4	
9·2		41·6	59·8	
9·8		51·6	37·4	
9·8		51·6	20·6	
9·6		55·6	32·5	
9·8	51	36·6	5·9	
9·4		38·6	17·8	
9·7		49·6	53·8	
9·4		56·6	45·2	
9·8	52	15·6	35·1	
9·8		25·1	16·6	
9·8		34·6	16·8	
9·8		34·6	33·1	
9·8		36·6	40·9	
9·2		44·1	27·3	
9·4		46·6	11·3	
9·4		51·6	53·9	
9·7		52·1	53·8	
8·6		52·6	33·1	9·0 =
9·4		53·6	17·0	10·0
9·0		55·8	0·7	9·0
8·6	53	11·6	46·1	9·0 –
8·8		19·1	5·9	8·5 ≡
8·8		36·6	16·9	
8·4		40·6	57·6	8·5 –
9·8		41·6	5·5	
9·0		45·6	44·1	9·5
9·8		45·6	21·9	
8·6	54	1·6	29·3	
9·8		8·6	55·0	
9·8		15·6	23·8	
8·8		21·6	51·0	9·0
9·8		41·6	7·6	
9·8		47·1	14·2	
9·0		48·6	53·8	9·5
8·4	55	2·1	38·6	=
9·0		2·6	57·5	9·0
	+0	58·7	−3·9	

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2041—2100.

mag.	7h. m	s	−31° ′	
9·8	55	3·6	46·7	
9·8		6·1	43·9	
8·6		12·1	26·1	=
8·6		12·6	34·1	–
9·4		13·1	4·1	
9·8		19·6	18·6	
9·2		29·1	25·8	
9·6		32·6	20·9	
9·7		32·6	24·2	
9·8		34·1	51·9	
9·0		36·6	42·9	
9·4		47·5	20·9	
8·5		50·5	24·7	9·5
9·4		51·0	14·5	
9·8		51·0	14·9	
8·6		52·5	12·0	9·0
8·8		58·5	16·2	9·5
9·0	56	0·0	9·5	
9·8		6·1	58·8	
9·7		7·5	24·9	
9·8		11·2	57·3	
9·4		13·5	27·1	
8·4		15·5	8·9	8·8 –
9·7		17·5	3·5	
9·8		21·5	0·5	
9·2		22·5	53·8	
9·4		32·0	44·3	
9·4		33·0	26·9	
9·2		41·0	13·6	
9·8		52·5	57·7	
8·8		54·0	7·9	
9·6	57	2·2	25·6	
8·6		12·5	5·5	8·8 ≡
9·7		20·5	18·6	
9·4		22·0	53·7	
9·8		27·0	25·2	
9·4		31·7	3·1	
8·2		32·5	57·7	G
9·4		35·0	9·9	9·5
9·7		39·0	52·3	
9·7		39·5	56·3	
8·8		43·0	48·7	
8·6		44·0	33·3	–
9·8		56·5	5·5	
8·5	58	6·0	55·0	8·0
9·0		6·0	29·3	
9·4		10·7	2·1	
9·8		21·5	45·9	
9·4		24·0	56·4	
9·8		26·5	17·1	
9·6		28·7	1·9	
9·8		31·0	4·3	
9·6		31·2	45·2	
9·7		32·5	19·1	
9·4		34·2	0·5	
8·2		35·0	20·1	–
9·8		36·5	45·8	
9·8		37·2	24·2	
9·8		45·5	4·0	
9·7		46·0	21·8	
25pr.	+0	58·9	−4·1	

2101—2160.

mag.	7h.–8h. m	s	−31° ′	
9·4	58	47·5	24·1	
9·4		47·5	38·9	
9·4		51·5	5·4	
9·4		52·5	11·9	
9·8		53·2	26·8	
9·2		55·0	12·3	
8·8		57·0	11·9	=
8·8	59	2·5	38·0	
9·4		9·0	55·4	
8·8		14·5	3·3	
9·4		16·0	11·9	
8·5		21·5	3·4	9·0 =
9·4		25·5	56·6	
9·0		26·5	14·1	
9·8		46·0	55·8	
9·8		47·2	1·3	
9·8		53·5	39·8	
9·4		55·5	56·9	
9·4		56·0	14·5	
9·2		56·5	40·2	
9·8	0	1·5	55·2	
9·6		3·0	14·9	
9·7		11·2	18·4	
9·4		16·0	8·2	
9·2		19·5	7·4	
9·2		22·5	17·7	9·5
9·7		35·5	31·7	
9·4		38·0	34·9	
9·2		42·5	33·8	
9·6		44·2	31·0	
9·4		55·5	22·5	
9·2	1	12·5	39·6	
9·6		12·5	7·8	
9·2		15·5	6·3	
9·8		16·0	27·2	
9·8		25·5	15·9	
9·8		59·0	7·0	
9·0	2	4·0	33·2	
9·8		23·0	30·5	
9·8		25·0	12·9	
9·0		28·8	58·6	8·5
8·6		31·5	38·9	8·5 ≥
8·8		40·0	49·3	9·0
9·8		52·0	5·9	
8·8		57·5	20·1	
8·8	3	0·2	0·6	
8·6		1·5	44·5	9·0
8·2		2·0	5·5	>
8·8		2·5	10·5	
9·7		45·5	54·4	
9·8		50·6	2·8	
9·4	4	5·0	5·1	
9·0		5·5	10·8	
8·8		5·5	9·6	9·5
9·8		6·0	5·8	
9·8		6·0	4·4	
8·2		12·5	16·8	7·5 GSb≡
9·4		14·5	25·9	
9·8		41·0	25·6	
9·4		43·0	22·0	
	+0	59·1	−4·2	

2161—2220.

mag.	8h. m	s	−31° ′	
9·8	4	48·2	57·2	
9·8	5	1·0	5·3	
9·8		1·5	15·6	
9·8		17·3	32·7	
9·4		32·5	44·0	
9·8		45·5	8·2	
9·8		46·5	7·7	
9·0		51·5	35·1	10·0
8·8	6	2·5	53·0	
9·4		5·5	25·2	
9·8		6·5	44·5	
8·6		10·0	40·1	9·0 =
9·8		12·3	46·4	
9·0		22·5	52·9	
9·8		35·5	18·1	
8·6		45·5	46·9	
9·4		47·5	46·7	
9·2		58·5	32·1	9·5
9·4	7	6·5	12·1	
9·8		16·2	41·9	
9·4		17·2	44·2	
9·4		17·6	18·7	
8·8		25·7	3·8	
9·8		28·2	53·9	
9·4		41·7	30·7	
9·2		42·2	18·0	
9·2		54·7	24·9	
9·4	8	2·7	3·1	
9·4		6·2	30·8	
9·4		16·7	43·2	
9·6		17·2	25·9	
8·0		18·7	46·8	7·5 G–tπ
9·6		20·6	13·8	
9·6		22·7	29·5	
9·8		23·6	33·9	
9·0		25·2	29·2	
9·4		33·2	50·8	
8·1		39·7	21·7	7·0 GS≡
9·4		45·7	45·2	
8·6		45·7	10·3	9·0 –
9·8		50·6	8·8	
8·8		53·7	56·6	–
9·2		54·2	11·2	9·0
9·8	9	2·6	2·2	
9·4		2·7	7·6	
9·8		12·6	24·9	
7·1		14·2	45·7	6·5 GStπ
9·8		15·5	57·9	
9·8		15·6	21·1	
9·0		15·7	6·9	
9·0		17·7	34·5	
9·8		31·7	14·4	
10·1		39·3	35·2	
10·0		43·3	52·8	
10·1		47·3	20·0	
10·0		51·5	40·8	
9·7		56·0	38·0	
9·0		57·3	13·7	
9·6	10	2·8	23·9	
9·7		5·5	52·5	
	+0	59·4	−4·4	

2221—2280.

mag.	8h. m	s	−31° ′	
10·1	10	8·8	44·0	
10·0		15·3	33·8	
9·6		15·5	55·9	
8·6		16·8	20·5	9·0
10·1		17·2	20·2	
9·7		21·8	0·5	
10·0		21·8	59·9	
8·8		23·0	48·0	
9·7		25·3	33·8	
10·0		26·3	5·0	
10·0		28·1	0·5	
10·1		32·3	48·9	
8·0		33·0	35·8	7·5 G=
9·6		33·3	56·5	
10·1		35·1	59·2	
10·0		36·8	7·0	
9·8		41·8	6·7	
9·4		44·1	56·7	
10·1		46·8	16·5	
9·4		50·3	26·3	9·5
9·4		51·3	29·8	9·0
9·6		54·3	53·3	
8·8	11	9·3	22·6	9·0
8·9		9·8	11·2	=
9·6		21·8	52·3	
10·1		46·8	28·7	
9·4		54·8	16·7	
10·0		55·8	26·9	
10·1		59·3	16·9	
10·0	12	3·3	8·9	
9·4		5·3	31·0	
10·0		10·8	46·6	
9·4		14·3	58·1	
9·2		18·3	28·8	
8·6		26·3	38·1	9·0 ≡
9·6		32·3	24·9	
10·0		39·8	33·5	
9·4		45·3	33·9	
9·4		52·3	33·7	
9·6	13	1·8	37·6	
10·0		3·3	15·9	
9·6		5·3	15·7	
9·6		5·3	34·9	
10·0		6·3	51·9	
8·6		6·8	45·0	9·0 –
9·4		19·3	17·1	
9·4		25·5	2·5	
9·4		45·3	16·0	
9·6		45·3	26·8	
9·6		53·3	9·5	
10·0		59·8	18·1	
9·2	14	1·8	52·1	
9·2		2·3	37·1	
9·6		5·3	3·3	
10·0		12·3	18·7	
9·6		17·3	19·5	
9·6		20·8	22·1	9·0
9·7		30·8	30·2	
10·0		33·8	49·3	
8·6		34·3	44·7	
	+0	59·6	−4·6	

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2281—2340.

mag.	8h. m s	−31° ′	
10·0	14 35·3	6·1	
8·5	39·3	25·9	8·5 ≡
9·2	42·3	41·9	
9·4	46·3	59·4	
9·2	50·8	26·6	
10·0	53·3	45·9	
9·8	15 3·8	36·1	
10·0	6·3	27·5	
9·6	6·3	32·9	9·5
10·0	11·3	34·1	
9·6	12·3	13·7	
9·6	15·3	45·3	
10·0	17·3	5·9	
8·5	22·3	36·5	9·0 ≡
9·4	37·3	58·2	
9·4	43·3	15·7	9·5
10·0	46·3	16·9	
9·0	46·8	19·2	9·5
10·0	52·3	14·2	
10·1	54·3	16·1	
9·6	16 2·3	40·1	
9·4	2·3	59·4	
9·4	18·3	37·1	
10·1	22·3	9·1	
10·1	25·3	26·1	
9·6	25·3	29·6	
10·1	25·8	12·1	
9·6	25·8	10·1	
9·2	39·3	57·0	9·0
9·6	42·8	10·1	
9·2	51·3	31·0	
8·2	53·3	38·7	8·5 ≡
10·1	55·3	45·2	
9·6	55·3	37·1	
10·1	17 0·3	24·9	
9·6	1·8	19·1	
9·7	4·3	16·7	
9·6	9·3	51·5	
8·7	15·8	31·3	8·0 =
10·1	16·3	34·5	
9·6	23·5	57·9	
10·1	32·3	35·6	
10·0	32·3	32·5	
10·1	39·8	13·1	
8·5	43·3	18·1	
9·4	43·3	11·7	
7·3	45·3	12·5	GSat
9·2	51·3	37·1	10·0
8·6	57·3	2·5	–
8·6	58·6	2·4	–
10·0	18 5·3	51·4	
9·6	11·8	10·5	
10·1	12·3	28·5	
8·8	15·3	53·5	
9·6	16·8	54·5	
8·1	22·3	55·7	8·0 G–
9·2	31·3	9·7	
9·6	41·3	7·5	
9·2	45·3	16·6	
10·1	47·8	41·5	
25pr.	+0 59·8	−4·7	

2341—2400.

mag.	8h. m s	−31° ′	
10·1	18 52·3	47·5	
10·1	56·3	52·7	
9·6	58·3	22·5	
9·2	19 2·8	18·1	
9·6	20·3	44·7	
9·4	35·4	38·0	
8·8	35·4	24·6	
9·2	39·4	14·4	8·5
10·1	42·4	14·4	
8·5	46·4	20·5	9·0
9·0	46·4	18·8	
10·1	57·4	51·4	
10·0	20 2·4	50·8	
7·2	11·4	32·1	7·0 GS≡
9·8	27·9	39·5	
9·6	29·9	25·0	
10·0	44·9	16·8	
9·4	46·4	16·8	
9·6	55·4	54·0	
7·6	21 2·4	45·6	7·5 GS–
9·8	3·2	0·6	
9·6	4·9	54·7	
10·1	14·9	4·9	
9·4	16·4	6·6	
10·1	22·4	59·1	
9·6	22·9	47·9	
9·6	24·9	51·6	
9·8	27·4	21·6	
10·1	44·4	29·9	
9·0	44·9	50·0	
8·6	49·4	37·0	8·0 GW=
8·1	52·4	4·3	8·0 –
9·6	52·4	16·8	
10·1	52·9	50·6	
10·1	56·9	54·1	
9·2	22 3·4	31·4	
7·7	4·3	46·3	7·0 GS≡
7·5	14·9	15·7	7·0 GSbc
9·6	24·9	37·9	
10·1	32·4	26·9	
8·6	36·4	34·8	7·5 GS
10·0	44·4	52·4	
10·0	46·0	48·8	
9·2	46·7	57·3	
10·0	52·0	31·8	
10·1	52·0	42·7	
9·8	53·0	37·6	
10·1	56·0	35·2	
10·0	57·0	24·9	
9·2	57·0	31·6	
10·1	23 3·0	44·9	
8·8	11·0	58·4	8·5 G
10·1	16·0	50·1	
9·2	16·0	27·8	
9·7	19·0	36·7	
10·1	23·0	4·4	
9·6	35·0	50·2	
9·8	37·0	24·7	
10·1	39·5	4·7	
9·2	40·0	24·2	
	+1 0·1	−4·9	

2401—2460.

mag.	8h. m s	−31° ′	
10·0	23 43·0	42·8	
9·8	47·0	30·9	
10·1	53·0	11·0	
10·1	24 8·0	31·3	
9·6	11·0	44·3	
9·7	20·0	10·6	
9·7	26·0	54·6	
9·8	27·0	33·9	
10·1	27·5	42·2	
9·4	33·0	18·5	9·0 –
9·0	37·5	55·5	
10·1	53·5	9·8	9·5
9·2	55·0	31·8	
9·6	58·0	52·3	
10·0	25 2·0	13·1	
8·9	2·6	57·9	
9·0	3·0	26·0	
10·0	13·0	15·6	
10·1	13·0	27·7	
9·4	17·5	32·0	9·5
10·1	26·0	14·0	
7·6	27·5	44·4	6·0 GS=
10·1	28·5	46·3	
10·1	37·5	10·9	
10·1	46·0	58·8	
10·1	50·0	3·6	
10·1	54·0	3·1	
8·6	26 1·0	19·4	8·0 W
10·0	2·5	6·5	
9·4	3·0	11·0	
9·8	3·0	47·2	
9·0	18·0	44·1	
10·0	26·5	24·6	
10·0	34·0	22·3	
10·1	37·0	33·7	
9·0	37·0	25·0	9·0 –
10·1	56·5	11·8	
9·2	57·0	11·0	
7·5	27 1·0	17·3	7·5 GS
9·4	4·5	5·8	
9·6	5·0	19·9	
9·8	6·5	6·1	
9·0	8·0	48·0	
8·1	28·5	48·6	7·5 GW–
9·4	35·5	54·1	
9·2	36·0	22·1	
10·0	56·0	7·2	
7·6	57·0	6·1	7·0 GSbt
9·7	28 0·0	32·6	
10·1	9·5	44·9	
8·8	11·0	21·0	9·5
9·6	12·0	42·9	
10·1	16·0	55·2	
10·1	46·0	29·9	
9·4	48·0	33·7	
9·4	54·0	49·6	
10·0	29 4·4	1·8	
9·8	17·0	54·5	
10·1	17·5	55·0	
10·1	21·5	29·1	
	+1 0·3	−5·0	

2461—2520.

mag.	8h. m s	−31° ′	
9·6	29 26·0	7·2	
10·1	31·5	27·1	
10·1	33·0	4·5	
9·6	45·5	11·0	
10·1	53·0	25·1	
9·2	53·0	37·1	
10·1	54·5	26·9	
10·1	58·9	41·9	
9·6	30 4·0	32·1	
9·4	6·0	45·8	
8·8	16·0	59·0	
10·1	20·0	39·7	
9·8	21·0	35·5	
10·0	31·0	12·0	
10·1	35·5	33·7	
10·1	41·0	23·2	
9·2	41·0	46·9	8·5 =
10·1	42·0	21·0	
9·0	42·0	10·1	9·5
9·8	47·0	34·9	
10·1	57·0	34·2	
9·7	31 2·0	30·7	
9·6	4·5	29·1	
9·8	8·0	58·2	
9·0	12·0	37·5	
8·9	18·0	46·5	9·5
8·3	20·0	49·8	7·0 GS=
8·4	54·0	17·3	8·0 G–
10·1	58·5	42·5	
9·2	32 3·0	11·0	
8·6	16·0	18·6	9·0
10·1	28·0	12·0	
9·2	36·0	38·9	
10·1	46·0	56·5	
10·1	47·0	12·0	
9·0	33 20·3	39·3	
10·1	21·0	59·5	
9·6	23·3	35·0	9·5
10·0	25·3	37·8	
9·7	26·3	40·8	
10·1	30·5	33·5	
9·4	36·0	34·6	
10·0	44·5	10·6	
10·1	46·5	53·0	
10·1	52·7	57·6	
10·1	34 6·0	13·2	
10·0	33·3	57·2	
9·4	34·4	44·9	
9·4	42·4	38·9	
9·4	35 3·7	48·4	10·0
8·8	3·7	50·0	8·5 G
9·2	8·7	25·9	
8·0	14·2	43·4	8·5 W≡
9·0	14·7	35·5	
9·9	28·2	42·4	
9·6	31·7	38·6	
8·5	44·7	22·0	8·2 G–
10·0	53·7	24·8	
9·7	36 4·2	45·3	
10·0	17·6	58·2	
	+1 0·6	−5·1	

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2521—2580.

mag.	8h. m	s	—31° ′	
10·0	36	30·7	15·7	
9·7		35·2	18·5	
9·8		36·7	38·5	
9·9		54·7	49·0	
8·6	37	3·2	18·0	8·2 G=
7·6		8·7	47·1	7·5 GS–t
10·0		12·7	48·6	
9·6		24·7	33·7	
9·3		26·7	53·7	
9·7		37·7	57·7	9·0
8·6		56·7	8·8	8·5 ≥
9·4	38	1·2	16·1	
9·5		2·7	51·6	
9·4		17·7	38·0	
9·5		23·7	16·1	
10·0		36·6	13·3	
9·8		37·6	27·0	
9·0		42·9	1·5	
9·5	39	19·2	24·0	
8·6		23·2	34·1	7·0 GS≡
9·5		27·2	33·0	
9·8		46·7	57·4	
10·0		55·6	6·9	
7·5	40	3·7	47·6	7·0 GSt
8·2		4·7	8·8	9·0 –
9·5		6·7	47·1	
9·1		33·9	2·5	
9·8		51·2	5·4	
8·0		52·2	42·5	7·0 GSt
10·0	41	4·2	56·0	
8·7		7·9	1·0	8·2 ≥
9·4		23·7	4·5	
8·8		26·7	7·2	9·5
9·4		38·2	27·9	
10·0		48·2	33·0	
9·4		49·5	46·6	9·0
10·0	42	37·7	50·0	
9·0		46·7	24·3	7·5
9·4		48·7	7·7	
9·9	43	3·2	48·0	
9·4		34·2	11·7	
9·4		54·7	40·9	
9·4		59·2	25·5	
8·5		59·7	48·9	8·8 G–
10·0	44	8·7	55·1	
9·5		14·2	50·1	
9·5		16·7	54·7	
9·3		17·7	19·7	
10·0		23·5	15·5	
9·5		23·7	38·4	9·5
9·5		26·7	4·7	
10·0		28·2	50·1	
9·4		33·7	28·0	
10·0		37·7	15·9	
9·4	45	8·7	6·5	
9·5		17·2	27·0	
10·0		36·2	56·5	
9·9		52·7	31·4	
9·9		57·7	26·5	
9·7		57·7	26·8	
25pr.	+ 1	1·2	– 5·4	

2581—2640.

mag.	8h. m	s	—31° ′	
9·7	45	59·2	36·2	–
9·7	46	10·7	7·5	
9·2		21·1	2·2	
10·0		28·7	27·5	
9·8		57·7	18·9	
9·7	47	3·7	55·4	
9·7		17·5	9·0	9·0
9·9		21·2	13·0	
10·0		32·2	59·2	
9·8		42·6	24·0	
9·1		42·7	52·6	8·5
9·8		56·6	49·0	
8·4	48	6·6	29·5	≡
9·9		7·6	23·1	
9·0		54·1	33·1	9·5
9·4		54·1	14·1	
8·4	49	3·1	40·9	7·2 GS≡
9·2		3·6	49·2	
8·7		5·6	24·7	
9·9		6·6	46·1	
10·0		26·6	49·5	
9·1		33·6	15·2	
8·9	50	22·6	36·2	9·0
8·6		34·1	42·2	8·8 ≡
10·0		35·1	54·9	
10·0		40·5	52·1	
9·0		41·6	40·8	9·2
9·1	51	34·6	21·6	
8·6		37·6	36·2	8·7 :
10·0		47·6	53·2	
9·4		51·1	15·4	
9·9		53·6	17·0	
9·2		55·6	24·3	
9·5	52	7·6	32·6	
10·0		8·5	41·9	
9·9		10·5	42·1	
9·4		23·1	35·9	
10·0		27·1	56·6	
9·2		33·6	22·4	
9·0		42·6	11·2	8·8 ≡
9·4		46·6	28·0	
10·0	53	5·1	18·9	
8·2		8·6	47·8	9·0
8·0		12·6	39·3	8·2 G–
8·0		36·6	28·8	8·0 GS–
9·9		47·6	17·2	
9·2		52·6	58·4	–
9·0	54	46·6	36·0	9·5 G
8·9	55	18·6	55·3	9·3 –
8·9		18·6	11·5	
9·8		32·4	54·1	
9·4		36·4	49·0	9·2
9·2		48·4	29·8	
9·9	56	0·4	8·3	
9·8		14·4	8·1	
9·7		17·4	59·8	
9·6	57	5·9	9·5	
9·2		7·2	0·9	9·2 –
8·6		19·5	47·9	9·0 –
9·4		22·4	38·4	
	+ 1	1·8	– 5·7	

2641—2700.

mag.	8h.-9h. m	s	—31° ′	
10·0	57	24·9	37·9	
9·5		40·4	40·1	
8·5		41·0	24·2	9·0 ≡
7·4		42·4	56·9	7·0 GS
9·4		45·4	18·0	
10·0		47·9	5·9	
9·9	58	17·9	54·9	
9·8		44·4	34·5	
9·0		47·9	24·9	≡
9·9		52·4	2·9	
9·0		57·5	41·4	9·0
9·3	59	0·5	11·0	
9·3		6·0	20·9	
8·8		19·0	57·1	8·2 W
9·4		38·0	40·5	
9·6		54·5	34·5	
9·8	0	5·2	2·3	
9·6		24·0	50·5	
9·5		31·0	4·2	
8·2	1	4·0	5·6	8·2 a
9·8		42·5	18·3	
9·8		47·8	19·9	9·5
8·2	2	4·5	24·6	8·0 GW≡
9·6		7·0	27·9	
8·0		34·0	46·2	8·5 G
8·6		37·5	32·0	8·0 GW≡
8·8	3	37·0	16·3	
8·4		40·0	57·0	8·3 G–
8·6		45·0	27·2	
9·8		55·0	37·9	
9·3	4	37·5	55·8	
9·6		45·5	43·9	
9·2	5	16·5	44·0	
9·3		17·5	10·6	
9·8		23·0	15·8	
9·8		25·0	26·9	
9·2		42·5	34·9	
9·8	6	27·5	11·2	
9·3		31·0	14·3	
9·8		32·5	12·3	
8·6		44·5	4·7	9·0
8·6	7	4·0	3·3	9·0 –
8·1		6·0	23·8	8·5 G=
8·5		23·8	1·1	8·8 a
8·8		37·0	18·6	8·8 a
9·8		46·5	49·5	
9·8		47·5	33·6	
9·8		48·5	41·0	
9·2		58·5	47·9	9·0 –
9·4	8	6·0	19·1	9·0
8·8		20·5	53·2	8·8
8·8		58·0	50·5	9·5
8·8	9	2·5	37·3	9·0 =
9·0		7·0	0·1	
9·2		8·5	46·5	9·0
9·5		32·6	53·7	
9·6	10	34·2	35·7	10·0
8·4		35·7	42·5	8·0 G≡
9·3	11	46·7	50·6	9·5
9·8	12	34·2	36·8	
	+ 1	2·6	– 6·0	

2701—2760.

mag.	9h. m	s	—31° ′	
9·8	12	37·7	40·9	
9·0		53·2	50·9	9·5
9·2		56·7	10·2	
9·8	13	6·7	57·7	9·5
8·8		10·7	24·7	9·5 –
9·5		14·9	57·5	
8·2	14	3·7	41·7	8·8 –
9·1		10·2	6·5	9·5
8·8		35·7	10·0	9·0 –
8·3	15	3·2	31·5	8·5 =
9·3		13·7	16·4	9·0
7·5		26·7	13·8	7·0 GStπ
8·2		54·2	45·0	9·0
9·8		57·2	12·3	
8·3	16	53·2	16·0	8·5 –
9·3		53·4	59·7	
8·8	17	9·2	37·5	9·0 –
9·8		21·7	16·6	
9·4		33·7	9·6	
9·2		54·2	39·1	
8·8	18	4·2	7·9	9·5
9·8		54·7	47·8	
9·3	19	11·6	44·3	10·0
8·8	20	14·1	43·1	9·0 =
8·8		33·6	38·7	9·0 =
8·6		38·1	53·9	8·8
9·5		47·3	59·2	9·0
8·8	21	3·6	5·3	9·5 –
9·5		14·1	33·9	
9·8		31·7	31·8	
10·0	22	8·9	24·4	
9·9		11·4	41·0	
10·6		48·4	16·2	
10·6	23	5·9	34·0	
10·2		14·9	58·2	
9·2		17·9	43·1	
10·4		27·4	38·8	
9·6		27·4	15·0	9·8
10·6		36·4	40·0	
8·8		37·9	8·1	9·5 –
9·2		51·4	13·7	9·5
10·0		54·4	16·6	
9·4	24	27·4	53·3	–
9·2		36·9	28·0	9·5
8·6		38·4	0·1	9·0
10·2		41·4	39·0	
7·6	25	1·9	0·2	7·2 GSa
8·5		8·4	33·8	–
10·0		12·4	32·0	
6·2		25·9	20·4	6·0 GStπ
9·2		45·4	28·0	8·5
9·2		46·9	36·2	
10·6		52·2	52·9	
9·9		53·2	32·9	
8·6		57·7	23·9	9·0
10·6	26	11·2	29·8	
6·8		12·2	19·3	6·2 GStπ
10·6		26·7	32·4	
8·2		26·7	14·8	8·8 a
8·0		40·2	41·7	8·0
	+ 1	3·7	– 6·4	

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2761—2820.

mag.	9h. m	s	—31° ′	
10·2	26	46·7	5·6	
10·2		53·7	19·1	
9·8		53·7	46·7	
9·8	27	3·2	48·9	
10·6		12·7	29·1	
9·2		20·7	26·4	9·0
9·2		53·2	46·4	
8·4		54·2	41·6	9·0 –
9·6	28	17·7	27·8	
8·0		36·7	23·3	7·8 GSa
9·4		38·2	9·6	
8·2		39·2	28·1	7·8 GSa
9·4		56·2	50·2	
10·2	29	2·2	29·5	
9·6		3·2	33·3	
9·6		8·2	2·1	
9·7		22·7	23·1	
9·8		32·7	11·5	
9·2		40·7	48·3	9·0
8·8		52·7	52·3	8·8 –
9·9		55·2	44·1	
10·0	30	2·7	56·6	
9·8		10·7	39·7	
8·8		31·2	9·8	
10·0		40·2	7·8	
9·6		55·2	29·3	
10·2		56·7	6·6	
10·6	31	2·2	58·9	
8·6		16·2	41·1	9·0 =
9·6		17·2	12·1	
9·7		31·2	38·1	
9·2		32·7	59·1	
10·4		32·7	49·9	
8·4		40·7	19·7	
10·0		41·2	28·6	
10·6		42·2	53·3	
7·6		46·7	37·0	6·0 GSπ
8·8		54·7	37·0	9·0 –
10·4	32	2·0	0·3	
10·6		3·4	58·0	
10·6		8·2	0·4	
10·4		10·7	43·0	
9·9		17·7	12·0	
9·0		26·2	15·1	9·5
10·2		34·7	41·4	
8·4	33	26·7	45·8	9·0 ≡
9·8		27·7	50·6	
10·4		57·2	43·8	
9·2		59·7	42·6	9·ó
10·6	34	11·2	53·2	
8·8		30·7	34·8	9·5
10·0		32·7	11·6	
10·0		34·2	28·9	
9·6		34·2	45·0	9·0 –
10·6		36·7	10·5	
10·6		39·2	47·4	
10·6		41·2	8·0	
9·7	35	1·2	32·6	9·5
10·4		11·2	7·0	
9·2		22·7	48·1	8·1 G–
25pr.	+1	4·4	−6·7	

2821—2880.

mag.	9h. m	s	—31° ′	
9·6	35	26·7	16·1	
10·6		34·7	20·4	
10·4		44·7	3·3	
8·8		45·2	1·2	
9·4		47·7	56·6	
10·6		55·2	46·6	
10·4	36	15·3	15·0	
9·6		18·7	35·0	
8·0		25·2	37·4	8·0 =
10·4		28·4	56·8	
10·0		34·7	28·3	
10·6		36·7	5·0	
10·4	37	9·7	10·0	
9·9		12·2	24·3	
8·6		20·2	8·7	9·0 =
9·7		29·2	51·3	
10·4		45·6	5·7	
10·4		48·1	5·4	
9·8		51·1	43·5	10·0
10·4		51·5	18·0	
8·6		52·6	0·0	8·5 a
9·4		53·6	12·7	–
8·9		54·6	41·1	9·0
10·6		55·1	20·0	
10·0		59·1	26·1	
10·4		59·6	55·7	
10·0	38	36·6	13·1	
9·6		49·1	34·0	
9·7		56·1	29·0	
9·8	39	2·6	10·7	
9·7		4·4	1·5	
8·9		6·1	48·3	9·0
9·6		15·6	46·2	
8·8		30·6	40·7	9·0 –
8·9		35·6	32·9	9·5
9·8	40	12·1	24·9	
9·6		20·6	18·0	
9·7		25·1	52·9	
10·4		27·1	8·7	
9·7		29·6	45·2	
10·4		32·6	23·2	
10·6		34·0	24·6	
9·6	41	0·1	48·6	
10·0		15·6	50·4	
10·2		21·6	40·2	
10·6		26·1	9·2	
10·2		32·6	53·2	
9·7		33·6	53·0	
9·9		35·6	23·6	
10·4		47·5	10·1	
10·2		51·1	15·7	
8·9		57·1	40·6	9·0 =
9·9	42	5·1	3·0	
8·8		15·1	3·3	9·0 –
9·4		16·6	16·8	
10·0		19·1	44·7	
10·4		44·4	58·8	
9·6		45·5	33·9	
9·8		47·5	1·2	
10·6	43	54·3	1·5	
	+1	4·9	−6·8	

2881—2940.

mag.	9h. m	s	—31° ′	
10·2	43	59·5	52·0	
9·6	44	25·0	6·4	
10·6	45	7·5	0·0	
9·7		9·9	12·1	
9·8		28·0	9·8	
9·4		36·5	11·8	9·0
9·0		42·0	56·4	9·0 –
10·4		55·5	33·6	
9·0		57·0	9·9	
10·6	46	9·2	0·6	
9·4		15·4	29·7	
9·4		33·8	50·8	9·0 –
9·6		39·4	45·7	
9·8		48·3	11·9	
10·3		51·8	32·9	
10·0		52·8	42·4	
9·6		57·3	19·3	
9·4	47	5·0	57·1	
9·6		6·3	8·1	
8·0	48	12·3	30·7	8·2 GS–
10·4		20·7	20·7	
10·4		45·8	6·2	
9·6	49	14·3	39·9	
10·4		36·3	37·2	
9·1	50	18·0	59·8	9·0 –
10·0		27·8	26·8	
9·1		47·3	6·9	9·5
9·1		52·3	30·3	
10·0		54·3	10·7	
10·3		54·7	27·0	
9·0		55·8	38·9	8·5 –
10·0	51	45·8	4·5	
10·0		51·0	58·0	
8·4	52	25·8	11·9	9·0 –
10·0		25·8	9·7	
9·4		46·8	11·3	
9·4		56·8	23·7	
9·6	53	15·8	14·6	
8·7		25·8	30·9	–
8·7		27·8	11·7	9·5 –
10·0		46·3	47·9	
10·3	54	11·8	10·7	
9·4		25·3	21·7	
8·4		25·8	57·9	8·0 G–
9·8		32·0	57·3	
10·3		37·3	35·2	
9·6		42·8	55·3	
9·6		56·8	52·0	
10·3		59·8	22·2	
8·2	55	1·8	34·3	9·5 –
10·0		11·8	16·3	
10·0		14·8	3·9	
10·2		34·3	31·9	
9·6		43·3	5·3	9·5
9·8		49·8	45·5	
9·4		55·8	3·9	
9·5	56	3·8	55·1	
9·0		25·3	13·1	
10·2		29·1	35·2	
9·2		35·6	17·7	
	+1	5·9	−7·1	

2941—3000.

mag.	9h.–10h. m	s	—31° ′	
9·6	56	55·1	5·9	
9·6		57·6	18·9	–
8·6	57	12·6	22·0	8·0 Ga
10·2		32·1	21·3	
9·8		36·5	33·5	
9·5		36·6	25·6	9·0 a
9·6		42·6	12·6	
10·4	58	10·6	18·6	
9·4		23·1	50·1	
9·6		44·1	59·9	
8·7		44·6	8·1	9·2
9·2	59	31·6	36·6	
9·6		35·6	28·6	
8·4		36·1	32·9	=
9·6	0	3·6	30·7	
10·0		9·9	59·9	
10·2		20·1	16·9	
9·1		33·6	58·9	
10·4		34·6	12·9	
9·6		39·6	8·7	
9·5		42·1	3·2	9·5
9·6		47·1	4·3	
10·2		53·1	36·2	
8·8	1	11·1	9·2	9·5 –
9·6		16·6	8·4	
9·1		17·6	23·9	9·5
9·5		21·6	30·7	9·5
9·8		33·1	45·4	
10·0	2	1·6	31·3	
9·8		7·6	27·5	
8·4		21·4	59·3	9·0 –
7·6		27·1	26·9	7·5 GS–
10·2		28·6	52·3	
10·0	3	2·1	12·3	
9·0		37·6	10·0	9·5
10·2		41·6	7·9	
9·6		46·1	31·3	
10·4		55·1	58·1	
9·1	4	6·6	59·8	
10·0		38·6	35·9	
10·0	5	2·3	15·0	
9·8		2·8	10·9	9·5
10·2		10·2	58·8	
9·6		12·8	51·8	
10·0		13·3	51·4	
9·2		31·3	29·0	
10·0		35·8	15·8	
9·2		37·3	42·2	
10·3		38·3	16·1	
9·6		40·3	25·8	
8·4	6	2·3	6·0	8·8 a
8·6		4·3	34·0	9·5
10·0		15·8	9·0	
10·0		25·3	58·1	
10·0		26·3	38·0	
10·2		39·3	9·2	
9·6		53·8	35·9	
9·0		55·8	17·0	a
9·5	7	2·3	33·0	
8·0		14·8	53·9	7·0 GS–
	+1	6·8	−7·3	

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3001—3060.

mag.	10h. m	s	−31° ′	
9·8	7	25·3	55·4	9·5
9·0		25·3	16·2	
10·0		57·7	56·8	
10·0	8	25·3	20·0	
8·8		31·8	9·2	
9·6		32·3	12·5	
10·2		44·3	12·3	
9·1	9	1·3	48·7	9·5 –
10·3		10·4	9·3	
10·3		10·8	51·0	
10·0		24·7	58·8	
9·6		32·5	39·0	
10·3		33·4	35·1	
10·2		45·3	15·6	
8·8	10	13·5	33·3	8·0 G–
10·3	11	5·4	49·7	
9·0		36·8	14·3	9·5
9·7		42·3	29·8	
9·4		56·5	50·8	
9·2	12	17·3	26·1	
9·7		33·8	16·0	
10·1		46·3	46·1	
10·1		54·8	55·7	
8·5	13	0·3	54·8	7·5 G–
9·0		4·8	8·1	9·0 S–
9·6		46·3	18·5	
9·4		47·8	55·2	
8·2		50·8	15·8	8·5 –
9·7	14	10·3	23·1	
7·3		55·3	11·3	7·0 GSbt
9·7	15	14·3	52·6	
9·6		18·3	41·4	
9·8		35·8	24·1	
10·1	16	17·8	43·7	
9·9		23·5	59·8	–
10·1		26·8	55·6	–
8·5		37·8	47·1	9·0 =
9·2		44·8	43·4	9·5
9·0		56·8	44·6	9·2 –
8·6	17	27·8	55·5	8·4 –
10·1	18	13·8	46·9	
9·2	19	46·5	31·5	9·5
9·2		46·5	30·9	9·5
9·2	20	3·5	51·2	–
9·9		42·5	37·5	
8·5		55·0	37·4	8·5 G=
8·4	21	6·5	20·9	9·0 a
9·2		7·0	51·8	–
10·1	22	55·0	39·9	
8·9	23	18·5	39·0	9·2 =
9·2	24	18·5	52·7	
0·1		19·5	34·5	
8·9		23·5	34·0	=
9·8		49·0	9·3	
10·0	25	29·5	25·7	
10·1		56·0	8·0	
9·6	26	23·5	31·6	
9·9		24·0	32·0	
8·2		24·0	11·9	8·5 a
9·2		26·0	53·4	
25pr.	+1	7·8	−7·5	

3061—3120.

mag.	10h. m	s	−31° ′	
10·1	26	43·5	56·1	
9·4		52·5	5·3	9·2 a
9·2		54·5	56·6	8·8 –
9·2		56·5	39·2	
8·1	27	0·5	55·0	8·0
9·8		39·5	7·0	
10·1		55·0	3·3	
10·1	28	4·5	8·2	
8·8		24·5	43·7	9·5 –
9·4	29	22·5	10·6	9·0
10·1		36·5	5·3	
10·1		49·0	6·5	
9·4	30	6·5	51·3	9·5 –
9·4		38·5	11·2	8·8 –
8·8		57·0	1·4	8·5 –
8·0	31	26·5	6·9	7·0 GSbt
9·0		31·5	6·6	9·5
10·1		46·7	43·2	
9·1		51·0	28·9	
9·6	32	0·5	27·1	
10·1		8·0	57·5	
9·9		46·5	16·8	
10·1		52·9	31·0	
8·9	33	1·5	4·9	9·2 =
10·1		2·5	2·0	
10·5		22·0	22·2	
9·2		26·3	20·9	
9·2		45·8	51·8	
10·5	34	2·1	21·3	
8·4		55·3	16·5	9·0 =
10·5	35	9·0	59·1	
9·6		11·1	12·6	9·8
9·2		11·6	54·5	9·0 –
10·5		29·1	32·2	
8·6		31·6	11·1	8·8 ≥
10·5	36	21·0	10·5	
8·7		37·6	12·8	9·2
10·4		45·1	44·3	
9·6	37	2·6	25·5	
7·6		28·1	6·2	7·0 GSbt
10·2		29·1	0·0	
9·8		30·4	1·6	
7·4		33·1	28·8	8·0 GS–
10·5	38	20·6	18·2	
10·4		20·6	46·7	
9·6		42·3	59·6	
10·0	39	13·6	50·7	
9·8		17·6	37·9	
9·8		30·6	8·6	
10·4	40	2·6	39·6	
10·5		3·1	43·2	
10·0		15·4	28·5	
9·8		35·4	20·1	
10·4		39·9	22·9	
8·9		51·4	17·8	
9·8	41	0·4	3·6	
9·5		2·4	51·7	
10·2		2·9	24·1	
10·5		25·4	46·0	
9·6		36·4	3·6	
	+1	9·4	−7·8	

3121—3180.

mag.	10h. m	s	−31° ′	
10·5	41	47·4	45·3	
10·5		55·4	44·4	
10·0		55·9	14·4	
8·8	42	15·4	22·2	
10·0		16·9	35·2	
10·0		17·4	40·7	
8·8		18·4	21·4	
6·2		23·2	1·8	6·2 GSa
10·2		35·4	53·6	
10·0		39·9	11·4	
10·5		42·4	8·3	
9·2	43	5·9	0·4	
9·4		21·4	23·0	
10·3		27·9	45·3	
9·8		28·4	5·0	
8·8		32·4	38·7	8·5
9·2		53·4	56·0	
10·5		53·4	16·8	
10·5		53·4	40·2	
9·8		54·3	57·3	
10·4		55·9	17·3	
10·4		57·9	56·6	
9·8	44	13·4	25·4	
10·0		16·9	4·2	
10·0		21·4	58·6	
10·0		25·4	7·6	
8·8		45·4	31·7	
10·5		46·4	55·6	
8·6		59·4	16·6	9·0 –
10·4	45	1·9	42·7	
10·5		9·9	43·0	
10·4		11·9	34·4	
8·8		21·4	46·0	9·0
9·6		35·3	58·8	–
9·3		39·9	2·0	
9·5		52·4	1·0	
10·0		52·4	16·6	
10·4	46	26·4	30·6	
10·5		31·4	53·7	
10·4		42·4	55·8	
10·3		56·4	6·0	
9·6	47	2·8	1·8	
8·8		6·4	19·9	9·0 –
9·6		25·4	43·4	
10·0		42·4	35·8	
8·2		55·4	39·7	8·2 GS≡t
9·6		56·1	2·3	
9·8	48	27·4	51·0	
9·2		46·9	25·0	
10·0	49	13·4	11·6	
8·8		16·4	8·2	9·5 W=
9·6		40·9	5·6	9·8
7·6		56·4	7·2	8·0 GSat
10·0		56·9	17·6	
9·6	50	29·9	18·0	
9·6		35·4	41·4	
10·0		38·9	44·0	
8·7		47·2	57·6	9·2
10·4		52·4	48·0	
8·8		58·9	53·4	9·2 –
	+1	10·2	−7·9	

3181—3240.

mag.	10h.–11h. m	s	−31° ′	
9·6	51	1·4	49·2	
8·4		16·4	21·9	9·0 a
9·6		22·4	15·8	
9·2		45·4	14·8	9·0 a
10·0		51·4	18·0	
9·8	52	15·4	30·7	
8·8		16·9	7·4	
8·7		22·4	56·0	9·0
10·5		25·9	23·6	
9·2		34·9	26·6	9·5
10·3	53	30·9	59·0	
8·4		46·3	34·1	8·8 ≡
8·8	54	5·3	39·5	9·0 ≡
9·6		43·8	46·4	
7·4		45·3	10·3	6·5 GStπ
9·2		59·3	55·3	
9·5	55	4·3	7·9	9·5 –
9·3		5·8	7·1	10·0
9·8		10·8	11·9	
9·6		23·4	2·2	9·5
8·8		30·8	43·5	–
8·8		32·3	23·2	9·5 –
9·3		36·3	3·7	10·0
9·8	56	10·3	17·4	
9·6		36·3	31·1	
9·8		51·3	11·1	
7·9	57	19·1	17·2	7·0 GSct
9·8		19·3	13·1	
10·5	58	7·3	52·9	
9·0		9·3	54·9	–
10·5		16·2	44·2	
8·7		22·8	18·3	9·5 –
8·8		44·8	24·2	10·0 –
10·3		45·8	47·1	
9·8		46·4	9·9	
10·0		53·0	32·0	
8·6	59	10·8	30·1	9·8 –
9·8		53·8	1·4	
10·2	0	20·8	36·2	
9·6		47·3	12·1	
7·3	1	11·3	54·6	7·0 GSa
9·6		22·8	47·2	
10·2	2	2·8	6·1	
8·9		15·8	24·6	9·0 ≡
7·4		15·9	58·8	8·5 –
10·2		23·4	58·1	
8·9		51·4	22·6	–
9·6	3	15·9	34·1	9·0 –
8·9		33·9	50·0	10·0 –
9·8		43·2	58·1	
10·2		44·4	20·3	
8·6		44·4	38·9	8·8 –
6·8		53·9	41·3	6·0 GStπ
9·4	4	15·9	44·6	9·2
10·2		21·4	25·1	
10·2		32·3	3·2	
7·5		35·4	53·2	8·2 GStπ
9·4		45·9	32·2	9·5
10·2	5	3·9	40·0	
9·2		27·9	46·9	9·5
	+1	11·3	−8·1	

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3241—3300.

mag.	11h. m	s	—31° ′	
9.5	5	32.9	53.7	–
9.6		49.4	43.3	
8.2	6	13.9	45.2	6.8 GS≥t
9.4		23.9	20.4	
9.6	9	25.4	54.6	
8.9		31.9	9.2	9.2 G≡
8.4		56.4	41.2	8.8 =
10.2		57.9	18.6	
9.6	10	14.9	52.9	
9.5		28.4	29.0	
9.4	11	43.9	55.0	9.5 G–
8.2	12	5.4	4.1	8.0 ≥
10.2		6.3	19.6	
10.0		24.4	32.6	
10.2	13	19.4	52.2	
8.3		21.9	49.3	8.5 =
7.5	14	25.9	25.0	8.2 GS≡t
9.6		32.9	39.0	
9.5		52.4	27.2	10.0
9.3		52.9	53.0	
10.0	15	15.9	31.2	
9.6		42.9	24.4	
10.2	16	6.3	42.6	
9.6		51.9	10.9	
9.2		55.9	44.8	9.0 =
9.6	17	5.4	21.5	
9.6		56.8	58.4	
9.4	18	5.6	5.1	9.0 ≥
9.4		9.6	51.2	–
9.2		52.1	19.6	9.8
8.2		52.6	18.7	8.2 a
10.2	19	25.5	57.7	
10.2		42.6	8.1	
10.0		46.0	50.1	
9.8	20	5.1	47.1	
9.2		7.1	55.8	9.5 –
9.6		20.1	27.5	
10.2	21	29.6	23.2	
7.8		33.1	27.6	8.0 ≡
8.9		42.1	57.4	9.0
8.9		44.2	13.0	9.5
10.2		44.4	50.1	
10.4	22	13.3	1.0	
7.4		21.8	10.2	8.2 a
9.9		23.3	19.8	
9.4		41.8	55.1	–
8.8	23	43.3	20.6	
9.6		43.3	51.6	
8.4	24	2.3	43.6	9.5 –
8.4	25	15.3	56.3	8.7 G–
8.4	26	45.3	23.0	
9.7		47.3	20.1	
5.5		51.8	9.9	4.0 GSπβ
9.6	27	7.4	48.5	
9.4		45.9	13.4	9.0
10.4	28	13.4	43.5	
10.4		15.7	5.8	
9.7		18.9	46.6	
8.4		36.9	45.2	8.0 =
9.0		38.9	14.6	9.5 –
25pr.	+1	13.2	–8.2	

3301—3360.

mag.	11h. m	s	—31° ′	
9.8	29	55.9	36.1	
10.4	30	7.4	51.7	
9.4		22.4	19.3	9.0 –
10.4		25.7	48.3	
9.2		42.9	3.8	9.2 –
8.4		44.9	47.2	8.5 =
10.4	31	45.9	58.2	
9.8	32	45.9	59.9	
9.2	33	24.9	54.4	9.0 –
9.7		27.4	47.9	
9.9		45.9	0.9	
9.4		56.4	5.4	
10.2	34	55.9	27.0	
10.4	35	5.9	26.7	
7.0		29.9	48.2	5.7 GSπβ
8.0		33.9	47.4	8.5 G–tπ
9.4		36.9	51.8	8.8
10.4	36	55.9	41.2	
9.4	37	12.9	1.5	
10.4		16.4	44.0	
8.8		28.4	26.0	9.0
10.2		35.9	15.9	9.0
8.4		45.9	18.4	8.8 –
8.4	38	47.4	5.0	8.2 G>
9.4	39	9.4	1.1	9.2 =
9.8		17.4	40.9	
8.8		26.4	34.0	8.5 =
9.4		30.9	17.0	
10.4	40	13.4	28.2	
8.8		16.4	38.0	9.0 –
10.4		30.7	21.0	
10.4		43.4	25.0	
9.4	41	4.9	41.8	
9.2		39.4	41.6	9.0 =
10.4	42	3.4	9.6	
9.8		10.4	16.4	
10.4	43	9.7	11.3	
9.9		25.9	45.5	
8.2		25.9	45.0	8.0 G≡
9.8		35.9	48.6	9.0 –
10.4		44.4	43.2	9.5
10.4	44	37.4	10.8	
9.5	45	38.4	14.6	–
9.6	47	57.6	20.1	9.5
8.4	48	17.6	25.8	9.0 ≡
9.6		44.6	25.1	
9.2		47.1	46.6	9.5 –
9.6	49	26.1	45.5	9.0 –
9.0		46.6	31.7	8.5 G–
8.6	50	7.6	29.9	9.0
7.9		23.1	34.3	8.0 GSat
7.8		24.6	34.2	8.0 Gat
9.2	51	4.6	51.1	=
9.6	52	24.1	18.6	
9.0		58.1	42.1	9.2 –
8.2	54	35.1	19.5	8.0 G≡
9.5		45.1	40.1	9.5 –
9.2	55	21.1	55.9	8.8 –
8.8		23.1	30.6	8.5 =
7.9		24.1	31.9	8.5 –
	+1	15.0	–8.3	

3361—3420.

mag.	11h.–12h. m	s	—31° ′	
9.6	55	53.6	31.3	9.5
9.0		58.6	48.5	9.5 –
7.8	57	9.1	33.7	8.0 =
9.6		14.7	42.8	8.5 –
7.6		26.7	45.4	8.0 –
9.6		31.2	37.5	
9.6		40.2	1.5	
7.8		52.7	24.5	=
8.2	59	55.7	53.4	9.0 =
9.6	0	6.2	54.7	9.5
9.6		8.2	54.5	9.0
9.5		10.9	54.0	9.5
9.6		16.2	51.5	
9.6		34.2	53.4	
7.1		56.7	58.0	8.0 G=
9.6		59.2	29.5	
9.6	1	26.7	23.3	
9.6		30.7	36.1	
9.6		58.2	47.0	
9.6	2	17.7	18.9	
9.6		36.2	51.3	
9.6	3	16.7	31.2	9.5
9.6		24.7	50.6	
9.6		48.7	18.3	
9.6	4	13.6	59.6	
9.6		16.9	39.0	
9.6		51.7	11.8	G
8.6		53.9	56.3	8.3 G
9.4	5	16.7	3.1	
9.6		40.9	57.9	
9.6		45.9	40.6	9.5
9.6		54.7	11.8	
9.4		56.7	22.9	9.0
9.6	6	1.2	9.5	9.5
9.6		16.7	40.4	
7.6	7	33.7	41.3	7.5 GS–
8.8	8	15.3	2.3	9.2
9.6		23.2	13.8	
9.2		27.7	8.6	8.5 G–
9.0		59.7	24.1	
8.6	9	25.8	5.8	8.5 G
9.0		27.4	4.6	8.5 G–
9.2		29.7	41.4	–
9.6		37.7	8.6	9.5
8.8	10	7.5	45.2	9.0 –
9.2		12.1	7.6	
8.5		25.5	39.4	8.5 G≥
9.6	11	15.5	20.5	
9.6		30.0	21.7	
9.5		52.0	53.0	9.5
9.6		55.0	42.9	
8.5	12	11.5	19.7	8.5 –
8.6		20.0	25.2	
9.4		37.5	23.5	
9.1		39.5	55.3	
7.8	13	1.5	53.7	8.0 GS–t
9.6		9.5	18.9	
9.6		16.0	18.9	
8.6		24.0	7.5	9.5
8.6	14	13.0	51.9	9.2
	+1	17.3	–8.4	

3421—3480.

mag.	12h. m	s	—31° ′	
8.8	14	30.5	51.1	9.2
8.8	15	2.0	35.6	
9.6		14.2	17.3	
9.6		29.5	30.6	
8.2		33.0	14.8	8.5 a
9.1	16	18.5	34.6	
9.6	17	20.0	20.1	
8.8		29.0	32.9	
9.2		32.0	42.3	
8.8		42.5	38.1	9.0 =
9.6		52.5	6.5	
9.6	18	0.2	32.0	
8.8		16.0	54.8	
9.6		57.5	53.9	
8.1	19	26.5	4.6	8.0 Ga
8.2		36.5	37.6	
7.8		43.0	27.3	8.5 =
9.6		46.0	0.6	
9.6	20	13.2	13.9	
9.6		16.2	14.9	
8.7		36.0	15.2	
9.2		52.5	10.0	
9.6	21	1.5	6.0	
8.2		4.5	38.2	8.8 –
9.5	23	26.6	9.1	
8.2		27.1	22.0	8.0 GS=
9.5	24	33.1	16.1	9.0
8.4	25	12.6	13.6	8.2 =
8.6		19.1	59.0	8.0
7.2		27.1	50.6	6.5 GS≥
9.6		30.1	31.6	
9.6		52.8	34.0	
7.5		57.1	46.3	7.0 GS≥
9.5		59.6	33.4	
9.6	26	20.6	28.8	
8.6		52.1	45.8	8.2 GW=
9.0	27	1.6	7.4	9.2
8.0		27.1	47.8	8.2 GW=
7.5		35.1	24.2	7.0 GSa
9.6		35.8	8.5	
8.5	28	5.6	10.8	8.5 a
9.6		39.1	21.2	
9.0	29	29.6	16.4	8.5 G –
8.3	30	14.1	29.1	8.0 GS≡
9.2		16.6	19.2	
9.6		17.6	19.7	
8.3	31	12.1	45.7	8.5 =
8.7		38.6	48.6	9.0 –
9.6	32	23.1	18.1	
9.4		46.0	47.3	
9.6	33	32.2	37.3	
8.8	34	1.2	58.9	9.0
9.4		2.4	37.2	
8.3		20.4	3.1	7.8 Ga
9.2	35	13.9	46.0	–
9.9		22.4	10.2	9.5
8.4		28.4	8.0	8.2 G=
9.1		50.6	1.6	8.9 ≡
9.4		51.4	14.7	
9.4		53.4	35.9	
	+1	19.0	–8.3	

3481—3540.

mag.	12h. m	s	−31° ′	
9.4	35	56.9	20.9	
8.8	37	10.9	21.5	9.0
8.8		33.9	43.2	9.0 –
9.7	38	31.0	30.6	
9.2		58.9	7.1	9.5
9.4	39	1.4	16.5	
8.8		13.9	12.2	8.8 =
8.2		13.9	43.0	8.8 –
8.3		21.4	4.8	8.2 Ga
8.8		42.4	6.9	8.8 b
9.9		55.4	23.3	
8.8	40	12.4	39.4	9.5
9.9		26.0	18.3	9.5
9.6		38.9	59.8	
9.2	41	1.9	41.8	9.5
9.4		2.9	26.2	
8.2		33.4	38.5	7.2 GS≥
9.4		41.4	46.1	
9.4	42	7.4	44.7	9.0
9.8	43	9.9	10.5	
9.4		48.9	20.9	
9.9	44	18.0	21.0	
9.8		39.4	59.8	
8.4		57.4	21.7	≡
9.1	45	5.4	34.8	
9.7		54.9	13.7	9.5
9.6	46	5.0	28.3	
8.6		13.9	10.6	8.5 G=
9.8		18.9	20.7	
9.9		42.9	20.6	
9.8		45.9	15.4	
9.8	47	47.4	1.6	
9.9		58.9	35.8	
9.6	48	2.8	1.8	9.5
9.8	49	1.4	23.9	
9.7		16.4	27.3	
9.0	50	19.4	2.8	
9.9		22.9	7.4	
9.4		23.4	34.6	
8.0		48.9	37.2	8.0 GS=
9.8	51	30.1	0.8	
9.0		39.6	8.9	
9.8		58.5	3.1	
9.9	52	49.1	34.5	
9.1	53	9.1	7.9	9.5
9.6		14.6	49.6	
7.8		22.1	22.0	8.5 Ga
8.2		40.1	15.1	8.5 G=
9.8		47.6	31.0	
9.3		48.1	41.7	9.5
9.9	54	15.6	56.5	
8.0		43.6	53.1	8.0 GS–
9.9		56.6	2.6	
8.6	55	46.6	6.4	8.5 G=
9.4	56	27.6	14.1	
9.9		57.6	37.3	
9.7	57	5.5	6.0	
9.7	58	25.6	56.5	9.5
9.4	59	36.5	10.1	
8.9		37.5	52.9	8.8 –
25pr.	+1	21.0	−8.2	

3541—3600.

mag.	12h–13h. m	s	−31° ′	
8.8	59	57.5	28.6	
8.9	0	34.8	1.0	
9.0		42.0	45.5	8.5 =
9.2		58.0	18.0	
8.4	2	26.5	20.9	8.2 a
9.3		47.0	25.9	
9.2		52.0	3.1	
7.9	3	21.5	25.6	7.5 GSa
8.0		32.5	53.3	8.0 G–
9.1	4	45.7	20.4	
9.4		46.0	35.7	
9.0		46.5	35.9	
8.4	5	0.2	52.5	8.0 –
9.0		11.2	26.1	
8.4		17.7	47.2	8.5 =
7.6		51.7	11.9	7.0 GSb≡
8.8	6	5.2	18.1	9.2
9.4		28.7	40.3	
8.9		47.2	14.9	9.2
8.4	7	9.7	35.3	8.8 –
9.7		11.7	59.8	
9.7		43.7	3.7	9.0
9.7		44.7	28.7	
8.9		47.9	56.9	8.5 –
9.4		54.7	8.2	9.5
9.7	8	25.8	16.0	
9.2	10	8.7	30.1	
8.5		21.7	56.3	8.5 –
9.0	11	34.7	26.7	8.8 –
9.0		36.2	28.1	9.0 –
9.1		53.2	22.0	9.2
9.1	12	11.7	21.5	9.5
9.3		17.7	14.3	
9.7		49.7	36.9	
9.6	14	11.7	23.9	
9.6		13.7	55.0	
9.0		14.2	34.9	9.0
9.0		23.7	33.4	9.0
9.0		25.7	35.2	9.0
9.6		55.7	38.2	
8.8		56.2	44.5	9.0 –
9.0	15	12.2	0.9	9.0 –
9.1		20.2	43.7	9.5
8.7		21.7	42.5	8.5 G–
9.7	16	46.7	31.5	
9.6	17	25.7	50.8	
9.4		38.2	52.2	
9.6	18	31.8	49.2	
9.7		46.7	44.2	
7.4	19	7.2	53.8	7.2 GS–
9.2		21.7	27.3	
9.6		33.7	23.3	
9.4	20	6.7	17.8	
9.6	21	2.7	18.1	
10.4		13.4	29.0	
10.4		14.9	17.0	
9.8		19.2	47.6	9.0 –
10.4		24.2	46.5	9.5
9.9		25.9	46.0	9.5
10.4		49.9	21.1	
	+1	23.2	−7.9	

3601—3660.

mag.	13h. m	s	−31° ′	
9.6	21	51.2	43.7	9.0
9.8	22	4.4	39.1	9.0
9.8		10.9	51.5	
10.4		13.9	32.8	
10.4		33.9	6.6	
10.4		45.4	49.9	
9.4		46.0	41.0	9.5
9.4		52.9	10.3	
8.2		59.4	32.4	8.5 a
9.6	23	10.2	5.9	9.0
9.4		27.9	8.0	9.0
10.4		37.9	15.0	
9.8	24	28.4	7.0	
7.0		32.4	29.6	8.0 GSat
10.3		33.9	31.4	
10.4		52.5	45.5	
8.2	25	0.4	34.0	8.8
8.2		22.4	24.7	7.8 Ga
9.4		28.4	44.7	
9.6		49.9	29.7	
10.2		53.5	31.6	9.5
9.6	26	3.5	9.0	
8.4		15.5	14.4	9.0 –
8.9		16.8	0.8	
9.4		20.0	25.0	8.5 –
9.6		43.5	20.2	
9.8	27	31.0	28.6	
9.9		48.5	41.7	
9.2	28	7.0	31.1	9.0 G
7.1		8.5	34.2	7.0 GS≡
8.1		33.5	22.5	9.2 G
8.1		42.0	44.0	7.5 GW≥
9.6		42.5	36.5	
10.4		48.5	45.0	
7.6	29	42.0	45.9	7.5 GW≥
9.2		53.0	38.6	9.5
9.4	30	3.0	23.5	9.5
8.5		28.5	30.0	9.0
8.0		33.0	43.2	8.2 G≡
10.4	31	4.0	24.9	
8.9		4.5	36.0	8.2 G–
9.2		38.0	12.4	
10.4	32	13.2	21.3	
10.4		17.0	16.9	
9.8		24.5	18.5	
8.8		34.5	51.2	9.5
9.8		47.5	23.2	
10.4	33	19.0	9.0	
9.6	34	22.5	48.5	
9.4		33.5	5.3	
10.4		38.0	16.4	
9.6		38.0	52.6	
9.6		48.1	59.5	
9.6	35	38.0	30.6	
9.6		50.0	10.2	
10.4		50.5	52.2	
10.4	36	3.5	43.5	
9.4		5.8	13.2	9.0
10.4		24.8	53.9	
10.3		38.8	31.2	
	+1	24.5	−7.7	

3661—3720.

mag.	13h. m	s	−31° ′	
10.0	36	41.3	51.2	
8.1	37	2.8	11.1	8.2 Gb
10.2		21.8	5.0	
10.2		35.3	24.1	
9.9		42.8	33.7	
10.4	38	1.3	37.2	9.5
9.4		9.8	41.8	9.0 =
10.4	39	0.8	5.3	
10.4		16.8	8.2	
8.7		25.8	26.4	9.0
9.6		45.3	28.2	9.0
8.5	40	31.8	48.2	8.5 –
8.2	41	0.3	36.8	9.0 G–
10.4		6.1	2.0	
9.6		10.8	27.2	9.0
9.4		27.3	13.4	
9.0		35.8	35.2	9.0 G–
9.6		45.8	45.2	
9.2		47.3	15.1	
10.4	42	26.3	56.3	
9.4		31.8	45.3	
9.4	43	11.8	26.9	
9.4		22.8	29.0	
10.3		23.5	8.3	
9.4		36.8	5.4	
10.4	44	6.8	16.4	
9.9		13.8	44.4	
10.4		19.5	36.9	
10.4		22.5	36.8	
9.4		36.3	29.2	
9.4		57.7	0.2	8.8
9.8	45	16.3	49.1	9.0
10.2		20.3	45.0	
10.4		26.8	7.2	
10.4		41.8	45.8	
8.2		47.8	10.9	8.3
9.4		51.4	14.6	
7.5		58.3	6.2	8.0 =
4.5	46	1.8	18.5	5.1 GSπβ
9.9		2.1	26.2	
9.4		12.1	56.2	9.0
10.4		15.7	2.2	
9.1		52.3	11.2	
7.4	47	7.9	49.7	7.5 GS–
9.4		42.1	39.3	
8.4		51.1	44.4	8.0 G–
9.2		52.1	18.9	
7.6	48	3.6	28.9	7.5 GSa
8.8		10.1	11.7	9.0
9.3		36.1	39.9	9.0
9.3		42.1	39.2	9.0
9.1		42.1	27.8	
9.5		50.1	47.1	
9.5	49	22.1	12.5	9.5
9.5		42.1	36.2	
9.2	50	5.1	37.6	
9.0		22.1	2.4	8.8 –
9.5		33.1	41.7	
9.2		56.6	36.0	
8.1	52	10.2	8.1	7.8 Ga
	+1	25.9	−7.5	

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3721—3780.

mag.	13h.–14h. m	s	—31° ′	
9·1	52	23·2	11·3	
9·0		24·7	38·1	
9·1		29·2	54·6	
9·4		37·2	25·4	9·0
9·4	53	9·1	5·6	9·5
9·3		50·7	41·6	–
9·2	54	0·2	31·7	
7·7		12·7	0·9	7·5 Ga
9·0		48·2	38·2	9·0
9·5	55	40·7	1·3	
7·4		46·7	5·0	6·5 GSct
8·8	56	19·4	57·2	
9·5		21·2	54·6	
8·8	57	31·2	20·1	8·5
9·5		52·2	56·7	9·5
8·5	58	28·2	48·7	–
9·0		42·7	22·5	
9·0	59	10·2	17·7	
9·5		44·8	0·6	
9·5		53·2	9·8	
8·9		59·8	1·1	9·0
8·6	0	17·2	16·6	8·5 a
8·8		19·2	28·8	
9·5		33·7	13·7	
9·1	1	8·4	58·2	
9·5	2	4·2	58·6	
9·3		21·2	59·6	
9·0	3	18·2	46·2	
7·8		33·2	29·0	GS=
8·3		37·7	12·4	9·0
9·5		38·7	45·2	
8·4	4	4·2	27·4	8·5 –
7·6		10·2	34·6	7·0 GS=
9·0		26·2	0·1	9·5
9·2		28·7	4·4	8·8
8·4	5	0·2	32·0	9·0
9·4		25·6	12·3	
9·5		45·6	23·5	
8·9		57·6	48·7	–
9·5	6	5·1	27·0	
9·5		20·6	8·9	
7·9		35·6	27·5	8·0 GS=
7·8	7	26·1	12·0	8·0 G≡
8·5		33·6	43·1	8·0 =
9·2	8	28·1	54·1	
9·2		40·1	56·7	
9·3		42·0	6·6	
7·5		58·3	28·4	7·5 GSat
9·5	9	1·0	16·9	
9·5		11·6	27·5	
9·5		14·1	18·2	
8·6		18·3	38·3	8·8 –
9·3		33·1	21·1	
9·0		42·8	8·2	
9·2	10	6·5	44·0	
9·7	11	16·5	44·0	
8·1		22·0	50·9	8·3 G–
9·6		25·5	43·2	
9·0		32·5	7·6	8·3
8·4		52·0	15·6	8·8
25pr.	+1	27·4	–7·2	

3781—3840.

mag.	14h. m	s	—31° ′	
9·1	12	23·5	5·6	9·5
9·4		49·8	58·2	
9·6		59·5	39·9	
9·3	13	23·1	36·3	
9·6		25·6	50·9	
8·6		34·1	15·2	9·0 –
9·2	14	11·6	9·1	8·9 G–
9·7		20·1	17·4	
9·7		33·6	12·5	
9·7		41·0	6·5	
8·9		52·0	6·0	9·0 –
9·2		56·6	53·1	
8·2	15	9·6	8·5	7·8 Ga
8·5		16·6	46·7	–
9·7		21·4	10·1	10·0
8·8		43·6	8·2	9·0 –
9·7		54·8	57·9	9·0
9·7	16	10·3	57·3	9·0
9·2	17	39·6	1·8	
9·1		44·1	27·2	
9·3	18	13·1	59·8	
9·7		26·1	3·0	
8·8		42·6	40·7	–
9·4		47·1	12·9	
8·4	19	0·1	39·8	9·5 –
9·7		12·0	25·6	
9·7		15·0	26·5	
9·7		16·1	32·2	
9·3		25·1	45·2	
9·6		31·1	42·8	
9·2		32·1	39·8	
9·6		44·1	22·9	
8·0	20	18·1	18·0	8·0 a
9·7		56·1	8·7	
9·2	21	7·1	31·2	9·5
9·7		7·6	23·5	
9·2		8·1	34·6	
8·4		20·6	11·1	9·0 a
9·6	22	0·7	57·7	
9·4		57·6	29·1	
9·2	23	6·1	16·1	
8·8	24	13·1	27·7	9·0
8·9		27·1	53·8	8·5 –
8·3		33·6	37·7	7·8 GS
9·2		56·6	21·9	
9·7	25	42·0	38·9	
8·3		42·1	6·6	9·0
9·1	26	3·3	2·7	
8·9		10·3	50·8	
9·2		34·8	8·4	
8·3		38·3	24·1	7·5 GS–
9·6		50·3	44·2	
8·7	27	13·3	28·8	
8·4	28	1·3	53·2	9·0
8·9		28·3	10·0	9·5
9·1	29	25·8	52·4	–
9·0		47·3	59·0	–
9·2		52·3	32·5	
9·1	30	8·3	16·7	
9·7		25·3	22·1	
	+1	28·6	–6·8	

3841—3900.

mag.	14h. m	s	—31° ′	
9·0	30	42·3	48·4	8·7 G–
9·1		57·3	13·6	
8·3	31	3·3	22·4	8·5 a
9·2		13·8	43·8	–
9·7		19·8	40·3	
9·2		20·3	40·0	
9·6		24·8	7·7	
9·6		46·8	9·5	
8·9		56·1	58·4	9·5
9·2	32	0·3	7·1	9·0 –
9·0		2·3	1·9	9·5
9·7		33·3	53·1	
9·7		58·3	9·4	
8·6	33	21·8	47·2	8·0 G–
9·3		22·4	47·2	G
9·3	34	7·3	15·5	
9·3		7·8	16·8	
9·9		21·5	22·0	
9·9		22·0	33·4	
9·9		26·0	9·9	
9·5	35	23·3	1·2	
9·8	36	12·8	52·5	
9·0		14·3	43·7	
9·4		17·8	53·8	
9·2		38·3	31·7	
9·9		39·8	10·1	
9·8	37	20·3	38·2	
9·0	38	15·3	17·2	
8·4		56·3	9·3	8·3 Ga
9·6		57·3	32·3	
9·8	39	0·1	2·4	
8·3		1·3	38·6	8·8
9·9		12·3	15·9	
8·8		16·3	53·1	9·0 G–
9·4		19·3	16·0	9·0 a
9·5		27·0	57·2	
8·5	40	21·3	43·2	8·2 G=
9·8	41	18·8	37·0	
9·9	42	11·8	0·0	
7·8		15·3	54·3	7·0 GS=
9·4		22·8	5·3	
9·6		36·8	17·4	
9·3		48·3	3·9	
9·4		50·8	54·4	
7·6	43	4·8	56·5	7·7 GS–
9·8		37·3	10·5	
8·8		43·8	52·1	8·3 G–
9·5		48·8	18·0	
9·2	44	18·3	18·4	9·0
8·8		57·3	29·7	8·5 –
8·8	45	2·8	34·3	9·0
9·2		13·8	46·5	
9·2		24·3	46·2	
9·9	·	31·8	19·9	G
8·7		56·3	33·7	8·8 –
9·9	46	7·8	29·9	
8·1		29·3	6·9	8·5 Ga
9·8		39·3	44·9	
9·9		55·3	15·9	
9·9	47	3·3	42·7	
	+1	29·9	–6·4	

3901—3960.

mag.	14h.–15h. m	s	—31° ′	
8·8	47	6·8	13·1	9·0 Ga
9·5		56·3	1·2	9·0 Ga
9·3	48	24·8	33·7	
9·3		44·8	3·9	
9·9	49	12·3	29·1	
9·4	50	34·8	22·9	
9·3		35·3	16·2	8·5
9·4		44·3	26·1	
9·5	51	13·3	23·5	
9·4	52	17·3	52·2	8·5 G
9·4		20·8	24·9	
9·4		23·3	54·2	9·5
9·2	53	18·8	14·2	
9·8		48·8	27·1	
9·8	54	2·3	23·1	
9·0		12·3	49·1	9·5
8·0		14·0	2·9	8·0 Ga
9·8		18·8	50·1	
9·8		25·3	40·9	
9·4		27·5	49·4	
9·9		38·8	11·2	
8·6		40·3	5·9	8·3 Ga
9·8	55	46·3	37·7	
9·9	56	10·8	47·3	
8·4		33·3	26·7	8·5 –
9·8		40·5	11·2	
9·8	57	20·8	13·2	
9·8		23·3	40·9	
9·3		28·8	47·0	G
9·8		30·0	1·8	
9·8		33·7	57·3	
9·8		34·5	37·2	
9·4		44·5	30·8	
9·4	58	0·5	24·3	9·0
9·9		25·0	9·0	
9·5		37·5	14·1	
9·3		41·7	34·5	
8·8	59	8·3	58·0	8·2 GW–
8·1		21·5	9·5	9·0 b
9·8		23·5	26·8	
9·8		27·5	17·7	
9·6		48·5	49·8	
9·6		54·0	59·8	
9·7	0	1·0	1·5	
9·5		2·5	46·8	
9·8		27·5	3·3	
9·9		29·5	17·7	
9·5		33·5	53·8	
9·4		40·5	21·6	9·5
9·9	1	6·5	40·4	
9·9		12·5	59·0	
9·3		16·5	4·8	9·5
9·5		21·5	4·0	
9·9		44·5	16·4	
8·3	2	7·0	40·1	8·5 –
9·9		7·5	11·8	
9·0		10·5	13·8	
9·9		14·0	53·7	
9·2		40·0	9·4	
9·2		45·5	10·9	
	+1	31·2	–6·0	

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3961—4020.

mag.	15h. m	s	—31° ′	
9·6	2	46·5	1·0	
9·5		50·5	3·4	
9·8		58·5	37·0	
9·5	3	24·5	52·1	
9·9		25·0	14·1	
9·4		46·0	11·6	
9·4		52·5	38·8	9·2
9·2		53·0	39·3	8·8
9·6		58·5	22·3	
9·4	4	17·5	48·8	
9·4		31·5	31·6	
9·5		34·5	27·6	
9·7		39·5	54·8	
9·8		40·8	0·9	
9·8		42·5	7·4	
9·9		44·5	38·0	
9·6		49·5	10·5	
9·7		56·5	56·7	
9·9	5	1·0	17·8	
9·8		3·0	11·1	
9·1		13·5	21·7	
9·8		18·5	6·0	
9·3		25·0	23·4	
9·2		31·3	58·6	
9·7		46·5	34·9	
9·4		47·5	13·8	
9·4		58·5	19·0	
9·4	6	10·5	58·5	
9·6		17·5	29·4	
9·6		18·5	20·4	
9·5		33·5	25·0	
6·2		58·5	3·1	5·7 GSπβ
9·8	7	10·5	47·4	
9·9		20·5	28·8	
9·7		34·0	7·3	
9·3		46·3	56·9	
9·4		54·5	33·6	
9·6		55·5	30·2	
9·4		56·0	34·3	
9·4		58·5	14·8	
9·1	8	32·5	22·0	—
9·9		33·5	18·5	
9·8		40·5	18·4	
9·9		49·5	12·0	
9·9		52·0	29·0	
9·2		52·5	15·2	
9·6		54·5	18·3	
9·9	9	2·3	1·4	
9·4		18·5	3·7	
9·8		19·5	3·4	
9·5		36·5	9·6	
9·6	10	0·6	36·2	
9·8		2·6	29·3	
9·6		5·6	43·4	
9·8		11·6	2·2	
9·8		33·6	30·2	
8·7		37·6	23·3	8·5 —
9·8		40·1	48·4	
9·4		42·6	30·2	
9·3		44·1	28·6	
25pr.	+1	31·7	—5·8	

4021—4080.

mag.	15h. m	s	—31° ′	
9·6	10	50·6	34·5	
9·9	11	2·6	43·4	
9·8		7·6	33·6	
9·9		9·6	29·4	
8·7		21·6	25·2	
9·9		22·6	26·1	
9·4		23·6	28·8	
8·6		35·1	34·2	8·5 —
9·8		38·6	34·2	
9·4		41·1	22·7	
9·9		44·6	34·8	
9·9		48·6	49·0	
9·6		58·6	27·4	
9·8	12	12·1	9·0	
9·5		12·1	6·4	
9·6		19·6	15·9	
8·7		22·1	15·2	
9·7		30·1	14·8	
9·6		31·1	38·0	
9·9		41·1	39·0	
9·9		42·1	11·2	
9·4		44·6	33·5	
9·5		48·1	27·0	
9·9	13	8·6	52·5	
9·4		32·1	9·4	
9·6		40·6	12·6	
9·8		41·1	31·0	
9·9		47·9	30·5	
9·9		59·4	34·1	
9·6	14	5·1	2·7	
8·7		21·4	5·0	9·0 a
8·2		25·9	44·3	7·2 GS=t
9·9		31·4	45·2	
9·5		38·9	18·1	
9·8		39·9	5·0	
8·9		52·9	15·7	
9·8		54·4	26·7	
9·9		55·4	27·3	
9·8		55·9	28·7	
9·4		57·9	59·6	
9·5		59·9	3·9	
9·7	15	3·4	55·5	
9·5		7·9	24·5	
9·5		24·4	24·2	
9·8		27·9	17·1	
9·5		32·9	4·8	
8·6		33·9	52·0	8·0 GW—
9·4		37·4	5·1	
9·8		39·4	44·9	
9·8		42·4	14·2	
8·4		42·9	21·4	8·2 —
9·9		43·7	13·9	
9·7		44·9	17·3	
9·7	16	0·9	50·4	
9·9		3·9	53·2	
9·8		9·4	48·2	
8·9		20·4	34·0	
9·8		20·9	27·1	
9·5		22·9	49·0	
9·4		20·4	14·6	
	+1	32·1	—5·5	

4081—4140.

mag.	15h. m	s	—31° ′	
9·4	16	32·4	50·7	
9·8		35·9	9·9	
9·0		43·9	3·6	8·0 G
8·7		57·4	16·0	9·5
8·5		59·9	18·5	8·5 —
8·7	17	3·9	41·7	
9·7		11·9	30·0	
9·9		14·9	52·4	
7·9		19·4	42·7	7·8
9·9		34·2	59·5	
9·3		52·6	27·4	
9·2		52·6	46·3	
9·8		54·3	39·2	
9·5		55·1	8·0	
9·8		58·1	2·7	
9·4	18	10·8	1·9	
9·4		40·1	34·0	
9·7		44·6	7·8	
9·1		54·1	12·1	
9·3	19	9·6	48·5	
9·7		15·1	17·9	
9·6		41·1	34·6	
9·3		42·1	38·9	
9·9		46·6	51·6	
9·6	20	0·6	54·8	
9·4		3·1	24·6	
9·9		8·3	38·5	
9·9		9·1	34·3	
9·9		11·1	27·5	
9·9		11·3	39·0	
9·7		13·1	52·0	
9·8		15·1	44·7	
9·7		17·1	44·0	
9·8		21·1	51·7	
9·9		25·1	20·5	
9·5		39·6	39·3	
9·8		43·6	50·2	
9·9		44·3	32·4	
9·5		49·6	41·2	
7·6	21	3·3	2·4	7·1 G≡
9·9		3·3	42·6	
9·6		13·1	44·3	
9·6		29·1	13·6	
9·4		34·3	0·0	
9·8		35·6	4·5	
9·7		43·6	12·4	
9·6		47·9	51·8	
9·6		49·6	32·0	
9·6		52·0	35·3	
9·4	22	0·8	38·1	
9·9		1·1	49·8	
9·8		24·1	21·3	
9·8		33·6	48·9	
8·3		40·3	52·2	8·8 W
9·7		46·4	27·8	
8·8		54·6	48·0	8·5
9·6	23	11·0	13·8	
9·2		12·5	53·2	
9·1		25·5	36·2	9·5 G
9·7		53·0	8·9	
	+1	32·5	—5·4	

4141—4200.

mag.	15h. m	s	—31° ′	
9·7	24	5·6	18·2	
9·7		6·0	45·8	
9·7		33·0	31·5	
9·7		42·8	50·3	
8·2		55·8	29·1	9·0 —
8·6	25	56·8	36·5	9·5
9·6		57·8	8·3	
9·7	26	12·8	12·6	
9·2		13·8	6·9	
9·2		14·3	13·0	
9·7	27	15·8	8·6	
9·4		21·3	35·3	
9·0		27·3	59·8	9·0 W
9·7		28·3	4·3	
9·1		42·3	28·1	8·5 —
9·6		45·5	45·2	
9·0		48·8	9·0	G
9·7	28	6·3	0·9	
9·0		12·3	38·4	
9·7		37·8	16·3	
9·1	29	16·8	11·7	
9·6		19·8	28·6	
7·7		30·3	38·4	—
8·3		41·8	6·7	8·5 —
8·6		48·8	55·5	
9·7		49·3	25·1	
9·6		55·5	10·5	
9·7	30	23·3	10·4	
9·6		29·3	8·0	
9·7		44·3	10·4	
9·7		54·8	43·6	
9·7	31	19·8	15·0	
9·2		35·8	30·3	9·5
9·0		42·3	32·0	
8·6		50·3	27·6	9·0 —
9·4		52·3	52·6	
9·2	32	2·8	35·5	
8·6		50·3	49·9	9·0
9·1		51·3	52·1	
9·4	33	32·6	7·1	
8·3		33·1	15·0	8·5
8·1		56·6	26·4	7·8 G—
9·7	34	4·8	56·9	
9·2		22·6	16·4	
9·0		31·1	42·7	9·0
9·2		46·6	31·4	
7·5		51·6	46·9	7·5 GS—
8·8		56·1	21·1	
9·7	35	4·6	14·6	
9·7		26·1	11·9	
8·6		40·1	36·4	
9·1		41·6	13·1	
9·7	36	1·6	46·6	
8·4		14·1	55·2	7·5
8·0		16·1	12·2	7·0 GSbt
9·7		16·6	8·0	
9·7		23·1	33·3	
9·7		27·6	51·6	
9·4		46·1	51·3	
9·7	37	26·1	25·0	
	+1	33·1	—5·1	

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4201—4260.

mag.	15h. m	s	—31° ′	
9·7	37	27·1	58·2	
9·7		44·6	11·8	
9·4		49·1	31·0	9·5
8·4		50·6	33·8	8·8
9·1		58·6	48·2	
9·6	38	3·1	18·1	
8·8		5·1	20·3	
9·1		5·8	37·3	9·0
9·7		26·1	9·1	
9·1		41·1	13·6	
9·6		45·6	58·8	
9·4		46·1	29·8	
8·6		50·6	31·2	9·5
9·2		52·1	33·4	
9·7		53·6	56·7	
9·7		59·6	6·3	
9·7	39	4·1	7·9	
9·0		13·1	56·1	9·5
9·7		19·5	10·6	
9·1		46·5	55·9	
8·9		48·5	46·1	
9·0		51·0	40·8	
9·2		52·0	50·6	
9·7	40	2·5	10·4	
9·7		6·0	54·8	
9·7		9·0	55·0	
9·7		12·8	26·6	
8·8		14·0	51·0	8·0
9·1		29·5	55·5	
8·0		40·5	41·8	8·2 –
9·2		44·5	44·3	
9·2		50·0	36·4	9·2
8·9		57·0	25·6	9·2
9·2	41	15·5	17·3	
9·4		23·5	0·1	
9·7		30·5	51·0	
9·7		32·8	44·2	
9·7		48·0	18·1	
8·6		57·0	44·8	8·5
9·6	42	4·0	36·0	
9·7		19·5	2·5	
9·2		30·0	54·0	
8·9		38·0	9·2	
9·6		53·5	19·0	
9·7		59·5	30·6	
9·1	43	16·0	32·9	
9·7		17·5	53·5	
8·1		25·5	7·6	8·8 –
9·7		29·5	57·8	
9·2		33·0	28·8	
9·1		50·0	2·7	9·5
8·6		51·5	34·9	
9·4		54·0	33·1	
9·7	44	11·5	14·3	
9·2		12·5	24·7	
9·6		23·0	27·8	
9·2		23·5	40·0	
9·7		35·0	46·5	
9·7		57·2	19·0	
9·7	45	6·2	26·0	
25pr.	+ 1	33·7	—4·8	

4261—4320.

mag.	15h—16h. m	s	—31° ′	
9·6	45	30·2	3·2	
8·3		37·8	15·5	9·0 –
9·6		47·5	7·0	
9·7		47·5	20·5	
9·6		56·5	22·1	
8·3	46	13·8	41·3	9·0
9·0		14·3	59·2	9·0
9·8		43·3	44·8	
10·0	47	1·6	4·5	
7·3	48	22·6	25·1	6·5 GStπ
10·0		32·6	1·6	
10·0	49	11·6	36·8	
9·4		12·1	53·1	
8·3	50	0·1	36·1	8·5 –
8·3		1·6	36·3	8·5
10·0		3·1	32·8	
7·4		8·1	21·8	7·0 GS –
10·0		33·1	24·2	
8·2		57·1	41·3	8·2 G
10·0	51	11·8	2·2	
7·4		57·6	28·4	7·5 GS–
9·1	52	8·6	4·2	8·8 Ga
9·2		21·6	6·9	9·5
8·0		38·6	44·5	8·5
9·4		42·1	14·4	
9·8		55·6	34·8	
10·0		59·6	40·8	
9·4	53	2·6	11·6	
10·0		7·1	57·0	
9·0		7·6	56·9	
7·6		26·6	32·0	6·8 GS–
8·2		29·4	11·5	8·4 Ga
8·4	54	12·4	45·6	9·0
10·0		34·9	50·7	
9·4		38·4	18·6	
10·0		47·4	8·2	
9·0	55	1·4	53·3	9·5
9·0		1·9	22·8	
8·4		2·9	48·6	8·8 GS
8·7		30·4	39·5	9·5 G
7·0		41·4	39·0	6·5 GS
10·0	56	7·4	46·0	
9·0		22·4	54·2	8·8
10·0		45·9	33·7	
8·8		57·4	16·9	9·5
9·4	57	5·7	56·9	
10·0		12·4	57·9	
8·2		20·9	6·7	8·5 a
7·6		32·4	6·8	7·0 GSa
8·2		35·9	53·6	9·0
9·5		55·4	9·5	
10·0	58	0·4	37·1	
8·6		36·4	0·1	9·5 –
8·8	59	23·4	14·8	9·0
9·5		29·9	29·1	
8·4		41·9	12·8	8·5
9·4		42·9	53·6	
8·8	0	17·9	16·3	8·5
9·4		33·9	3·6	
8·7		37·9	35·0	9·0
	+ 1	34·2	—4·4	

4321—4380.

mag.	16h. m	s	—31° ′	
9·6	0	42·5	58·9	
9·2		55·4	42·0	9·0
8·6	1	8·9	45·7	9·0
10·0		10·9	44·5	9·0
7·5		15·9	45·4	7·8 GSt
10·0		34·9	25·5	
8·7		42·2	0·4	8·0
8·2		57·9	16·2	9·0
9·2	2	26·9	57·1	9·0
9·2		50·4	49·4	9·5
9·4		52·9	26·6	
7·9	3	20·9	27·4	8·0 GS–
9·4		31·9	53·1	
8·8		39·2	27·4	8·5 G
10·0		46·2	32·9	
8·4		50·7	55·8	8·0 –
9·4		53·2	32·3	
9·1	4	50·2	15·5	
10·0		54·7	26·4	9·0
8·0	5	26·2	48·1	8·0 –
10·0		30·2	27·9	
9·5		30·2	10·1	
10·0		53·7	7·3	
10·0		54·0	2·8	
9·0		57·2	43·0	
7·5	6	17·2	20·0	7·0 GSa
8·7		42·7	37·1	9·0
8·8		53·9	58·3	
10·0	8	32·7	30·6	
9·6		48·2	29·1	9·0
9·6	9	2·2	29·8	9·5
9·6		6·5	33·9	
10·0		41·4	42·7	
9·9		52·2	7·8	
9·6		53·4	34·5	
7·9	10	10·0	20·4	8·0 –
8·6		14·2	16·1	9·0
9·3		17·4	18·1	9·0
9·9		33·4	30·1	
9·9		44·1	58·0	
9·9		55·9	13·7	
9·9		55·9	55·9	
9·9	11	23·9	44·7	
9·3		33·4	46·8	
9·8		59·9	9·9	
9·8	12	21·2	35·6	
9·0		23·4	8·3	
9·7		39·9	56·5	
9·4		45·2	15·6	
9·9		48·2	45·2	
9·6		57·9	42·1	
8·6	13	10·9	27·5	8·5
8·8		50·4	53·1	8·0
9·3	14	10·2	2·7	
9·7		26·9	41·9	
9·9		26·9	49·2	
9·6		33·2	37·4	
9·5		46·9	15·0	
9·8	15	8·9	37·7	
8·2	16	5·2	57·8	8·0
	+ 1	35·0	—3·9	

4381—4440.

mag.	16h. m	s	—31° ′	
9·1	16	5·9	33·6	
8·8		15·9	50·9	9·0
8·2		59·9	16·3	8·0 ≃
7·2	17	8·9	7·8	7·5 GSb≡
9·1		12·9	25·5	
9·8		22·9	3·8	9·5
9·8		32·4	51·7	
8·6		36·9	2·8	8·5
7·9		37·9	47·0	GSt
8·0		43·4	24·7	7·5 GS–c
8·8		52·4	52·3	
9·6	18	35·9	12·9	
9·9		46·2	40·3	
9·1	19	37·4	34·1	
9·9	20	19·9	2·0	
9·9		24·9	1·5	
9·9	21	6·2	3·2	
9·3		42·4	27·6	
9·6	23	2·9	43·0	
9·9		6·6	6·2	
9·1		21·1	26·4	
8·8		27·1	32·5	9·0 –
9·4		28·1	49·4	
9·2		41·6	22·7	9·0 –
8·6		55·6	22·3	8·5
8·8	24	13·6	52·1	8·8
9·9		16·4	51·0	
9·0		30·6	53·9	9·5
9·6		41·6	45·4	
8·8		58·6	39·5	9·0
8·8	25	3·6	16·9	8·0 GS–c
9·9		7·6	34·9	
9·6		18·1	49·0	
8·8		19·6	6·3	9·0
8·6		20·1	49·8	9·0 G–
7·8		43·1	1·3	8·2 S=
9·9		54·1	54·8	
8·0	26	13·1	1·1	8·5 S=
9·0		40·1	40·5	
9·0		40·8	2·3	9·2
9·9		47·1	15·6	
9·8		59·6	11·8	
8·4	27	5·6	38·0	9·0
9·8		21·6	9·1	
9·9		31·6	4·9	
8·6		59·6	19·9	9·5 :
9·2	28	10·6	12·5	
8·3		16·6	15·8	9·5
9·6		25·6	12·1	
8·6		35·6	6·1	9·8 G
8·8		36·1	13·9	9·5 G–
8·5		40·6	51·0	
8·6		41·6	12·5	8·8
8·2		50·6	39·9	9·0
9·0	29	7·1	53·2	9·5 –
9·1		8·6	55·7	9·0
9·8		12·6	52·3	
9·2		25·6	16·7	
9·1		36·6	9·5	
9·7	30	0·1	22·5	
	+ 1	35·5	—3·4	

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4441—4500.

mag.	16h. m	s	—31° ′	
9·0	30	2·6	47·7	
8·3		27·7	44·9	9·0
9·9		27·7	12·1	
8·8		43·7	5·3	=
9·9		45·7	30·1	
9·6		49·7	38·1	
8·8		51·2	38·3	9·5
9·0	31	15·2	38·3	
9·9		20·2	38·3	
9·8		21·2	11·1	
9·9		25·2	56·5	
8·0		29·2	28·3	8·5 —
9·1		31·7	39·2	
9·9	32	52·2	42·2	
9·1		57·7	1·0	
9·3	33	12·2	44·0	10·0
9·2		14·2	8·9	
9·9		38·7	4·2	
9·2		46·2	10·7	
9·0		48·9	11·2	
9·0	34	11·2	15·7	
9·9		30·7	14·9	
9·8		35·2	25·8	
10·0		44·3	53·6	
9·8		53·6	2·2	
8·8	35	9·4	6·3	8·8 ≡
7·1		36·9	52·0	6·5 GS—c
8·6	36	39·9	22·2	
10·0		40·4	5·3	
9·2	37	4·4	28·7	
8·8		5·9	8·7	8·0 =
9·6		41·4	1·9	
9·4		58·4	7·4	
9·2		58·9	33·9	
9·2	38	1·9	16·2	8·8
10·0		30·9	35·6	
8·0		52·9	13·3	8·5 GS=c
10·0	39	21·9	28·8	
9·4		30·9	27·8	
8·4		32·9	38·0	9·5
8·9	40	11·9	22·3	9·5
9·4		14·9	37·3	
9·8		16·4	51·0	
10·0		41·9	29·6	
8·9		47·9	40·9	9·5 —
9·2	41	1·9	34·4	
9·2		21·9	15·2	
7·9		32·4	25·7	7·5 GS=c
9·6		42·4	23·6	
9·4		55·9	35·7	
9·0	42	34·5	0·6	
8·4		37·9	24·9	8·0 G=
10·0		57·4	9·1	
8·4	43	10·4	23·8	9·5
9·6		12·9	30·1	
8·9		50·7	58·0	G—
8·9		54·9	36·0	9·5
10·0	44	6·9	33·8	
8·4		17·9	36·2	9·0 =
9·4		21·9	10·9	8·5 —
25pr.	+1	35·9	—3·0	

4501—4560.

mag.	16h. m	s	—31° ′	
10·0	44	47·9	15·8	10·0
10·0	45	2·9	11·4	
7·6		3·9	40·0	7·5 GS=c
8·4		6·8	13·0	8·5
9·6		9·8	49·9	
8·7	46	25·8	57·2	9·5
10·0		26·8	58·7	10·0
7·9		35·8	58·9	7·5 GS—c
8·5		35·8	7·7	9·0 —
8·7	47	7·3	1·1	8·5 —
7·4		7·8	11·7	7·0 GSb=
8·7		13·3	13·2	9·0
9·8		32·8	5·3	9·5
8·4		32·8	7·6	8·7 W—
9·6		33·3	51·1	9·5
9·5		34·3	59·2	
7·7		50·3	15·9	8·0 GS=c
8·2	48	11·8	18·8	8·5 W
8·2		15·8	6·3	7·5 GSbc
9·6		18·3	17·4	
9·2		18·3	10·7	9·0
8·9		39·8	31·0	
8·7		51·3	34·5	
8·4		51·8	47·2	9·0
8·8	49	6·8	1·1	9·0
9·4		9·3	8·3	
8·4		22·3	27·0	
10·0		47·8	4·2	
9·6		55·8	46·0	
9·4	50	2·3	52·2	8·8
10·0		35·3	0·4	
10·0		57·0	1·4	
8·9	51	24·3	41·0	
8·0		48·8	31·0	8·5 —
10·0		50·3	36·7	—
8·7		58·3	24·0	9·0 —
8·8		58·3	21·4	10·0
9·2	52	1·3	18·7	10·0
10·0		2·8	5·2	
10·0		6·6	57·8	
8·6		52·8	35·1	9·0 =
10·0	53	3·8	20·6	
8·9		5·8	15·8	
9·5		5·8	29·9	
9·2		25·8	18·2	
5·7		47·8	57·3	5·5 GStπ
10·0		59·8	26·8	
9·8	54	22·8	53·3	
7·4	55	14·8	25·9	7·0 GS=
10·0	56	0·8	6·2	
9·5		1·8	41·9	
10·0		28·8	30·9	
10·0		39·3	12·3	
8·2		44·3	11·1	7·8 GSbc
8·6		54·3	11·7	8·5 GW—
10·0		59·8	44·9	
10·0	57	0·8	4·2	
8·4		10·3	15·6	9·0
10·0		13·8	26·5	
9·4		49·0	0·9	
	+1	36·4	—2·5	

4561—4620.

mag.	16h—17h. m	s	—31° ′	
8·6	57	57·9	46·7	8·5 —
9·4	58	7·0	18·0	
9·1		30·5	6·9	9·5
10·0		37·0	14·2	
10·1		42·0	24·0	
9·4	59	16·5	38·0	9·0
10·1		16·5	22·9	
10·0		28·5	50·8	
9·4		34·0	23·2	
9·4		53·5	48·4	8·8
10·0		58·5	19·1	
9·8	0	23·5	15·4	
9·8		31·2	1·9	
9·6		33·0	56·2	
9·7		33·5	58·5	
9·1		45·0	7·3	9·5
10·2		57·5	24·0	
9·8	1	2·0	18·5	
9·7		2·0	56·1	
10·1		3·0	12·3	
10·3		9·5	34·2	
9·4		9·5	51·1	
9·8		10·0	6·1	
10·3		12·9	1·7	9·5
8·4		20·0	31·0	9·0
9·8		25·0	24·0	
10·3		27·0	14·1	
9·8		33·0	48·2	
10·0	2	7·5	20·1	
10·3		11·0	15·8	
10·2		24·0	37·8	
9·5		25·0	19·9	
8·4		42·0	24·1	8·2 G—
10·3		42·5	5·1	
10·3		52·5	31·3	
9·2		59·5	25·2	9·0
9·8	3	7·5	49·4	
9·8		44·0	48·3	
9·5		46·0	35·4	9·0
9·0		51·5	38·4	
10·2	4	7·5	14·0	
10·3		9·5	12·3	
9·0		17·3	59·5	9·2
10·2		41·0	58·9	
10·0		42·5	5·1	
10·0		58·0	9·1	
9·8	5	2·5	50·7	
9·6		11·0	10·4	
10·3		12·0	21·5	
9·8		37·4	44·0	
10·3		38·9	45·6	
10·0		43·4	46·2	
10·1		57·9	51·8	
10·3	6	6·9	7·6	
9·6		14·4	3·6	
9·6		22·4	22·8	
10·2		23·9	54·1	
9·8		25·9	19·2	
10·2		27·9	1·7	
10·3		47·9	6·0	
	+1	36·6	—2·1	

4621—4680.

mag.	17h. m	s	—31° ′	
9·6	6	48·4	41·7	
8·7	7	0·4	10·8	8·8 =
9·4		12·4	23·2	
10·2		12·9	44·2	
10·2		20·4	18·0	
10·0		20·9	25·2	
9·0		21·9	48·4	9·5
9·5		27·9	36·0	
8·1		40·4	54·0	8·5 —
9·8		42·9	7·4	
10·3	8	1·9	6·0	
9·8		10·9	31·9	
10·2		20·9	37·7	
9·1		34·4	41·6	
9·2		43·4	27·9	
10·3		43·9	58·8	
9·8		47·4	49·6	
9·2		54·8	0·5	
8·8	9	2·4	19·4	
8·5		11·9	55·2	8·2 —
10·2		16·9	46·2	
9·6		24·9	22·0	
9·5		41·9	11·4	
9·8		43·4	38·4	
8·8		46·9	49·4	9·5
10·2	10	10·4	51·0	
9·8		30·4	13·6	
10·3		35·6	11·3	
10·3		38·6	22·2	
10·0		47·1	26·6	
8·6		57·3	3·1	9·0 =
10·1	11	4·6	36·6	
7·2		13·1	13·5	7·5 GS=c
9·4		20·6	36·2	
10·1		29·6	5·8	
9·5		34·1	19·1	
9·0		38·1	33·2	
10·3		40·6	3·0	
10·3		51·6	50·2	
10·0	12	14·1	42·6	
9·7		14·1	17·6	
10·3		15·8	0·9	
10·1		26·6	16·1	
9·7		44·1	41·1	
10·0	13	2·6	32·5	
10·0		14·6	29·1	
10·1		16·8	0·8	
8·2		21·6	27·0	8·0 G=
9·7		22·1	38·6	
10·2		26·8	58·7	
9·7		32·1	45·6	
10·1		34·1	54·0	
10·1		36·8	1·0	
10·1		38·0	23·1	
1c·2		39·6	4·5	
10·2		52·0	47·2	
10·1		54·1	8·7	
9·0	14	8·6	31·6	9·5 —
7·8		11·1	27·4	8·0 G=
10·1		16·0	30·7	
	+1	36·8	—1·8	

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4681—4740.

mag.	17h. m	s	—31° ′	
8·6	14	16·8	0·4	9·5
8·5		18·1	10·2	9·0 GS–c
9·7		18·3	57·0	
10·0		22·1	16·6	
9·4		31·1	18·2	
10·1		58·1	16·0	
10·2	15	6·6	1·6	
8·9		9·6	21·9	9·5 –
9·8		10·6	44·2	
9·2		24·1	52·5	9·5 G
9·4		26·1	32·7	
8·0		26·6	34·5	8·5 GW=
10·3		28·6	26·3	
10·3		32·6	56·0	
9·8		35·1	22·8	10·0
9·2		54·6	20·6	
9·5	16	5·9	1·7	
10·2		6·0	33·3	
9·6		6·1	37·8	
9·4		8·5	59·1	
9·1		10·6	51·9	8·5 –
9·7		47·1	26·5	
10·0		47·6	15·2	
9·6		56·6	34·5	
9·2	17	15·6	26·7	
10·0		27·0	57·9	
10·1		27·6	51·7	
10·3		41·6	47·9	
10·2		44·1	34·7	
10·3		50·6	24·8	
9·2		54·1	55·8	
9·6	18	11·1	31·6	9·5 –
9·8		18·1	36·8	
9·6		28·1	22·1	8·5
8·7		32·1	29·7	9·0 W=
7·6		33·6	54·5	7·5 GS–
9·2		34·0	57·6	
10·0		38·9	58·2	
9·7		47·6	19·2	
9·7	19	32·6	7·9	
10·1		48·6	1·6	
10·1		52·6	24·8	
9·4		57·1	54·1	
8·9	20	0·1	25·9	
8·6		7·7	6·0	8·0 GSb
10·3		19·7	2·6	
10·3		20·7	32·7	
9·7		30·7	30·2	
10·0		30·7	47·7	
9·7		35·7	10·8	
8·3		36·7	16·6	8·0 GS=c
9·8		43·6	30·2	
9·7		43·7	57·7	
9·1		47·7	28·1	
10·3		49·2	13·1	
9·2		56·7	39·6	
9·6	21	1·7	29·4	
9·6		4·7	34·0	
7·6		7·7	25·7	7·5 GSb=
10·2		16·2	43·2	
25pr.	+1	37·0	–1·5	

4741—4800.

mag.	17h. m	s	—31° ′	
9·7	21	23·7	23·5	
9·1		28·7	12·0	
9·5		30·7	28·7	
9·2		30·7	39·3	
9·6		30·7	49·0	
10·3		34·7	48·7	
10·3		35·8	42·0	
10·2		42·2	2·9	
10·3		42·7	18·0	
10·3		55·7	6·8	
9·8		57·7	21·4	
10·3		59·2	14·5	
9·8	22	4·7	36·7	
10·0		5·2	35·8	
10·3		7·7	58·6	
9·4		7·7	55·9	
10·3		12·2	4·9	
10·3		13·7	29·9	
9·0		14·7	21·0	9·0 –
10·1		16·6	1·2	
9·4		16·7	2·1	
10·3		22·7	2·6	
10·3		26·2	1·0	
7·6		32·8	57·7	7·8 G
9·8		40·3	41·0	
9·2		40·6	15·1	
9·3		41·1	29·0	
10·0		54·0	34·1	
9·4		59·3	14·9	
9·9	23	7·6	22·8	
9·4		8·6	16·8	
10·2		16·0	45·0	
8·0		17·0	52·2	8·2 G–
10·2		18·6	0·6	
10·2		26·5	14·0	
9·4		29·5	46·4	8·8 GW
8·8		30·0	23·6	
10·2		31·0	26·9	
10·2		32·0	13·9	
9·6		41·5	52·0	
9·7		45·4	0·5	
9·3		46·5	24·8	
9·8		53·5	46·8	
8·1		55·0	43·8	8·5 GSc
9·6		55·0	43·2	
9·9	24	2·0	20·1	
8·4		2·0	27·0	8·5 G≡
10·2		10·5	17·3	
10·2		14·0	20·7	
9·6		27·6	25·2	
9·5		27·6	34·3	
10·0		28·6	48·6	
9·5		34·1	21·2	
10·2		47·1	22·6	
9·7		48·6	44·0	
10·2		54·6	1·2	9·0 =
9·2		56·6	17·6	
8·8		58·1	53·2	–
9·6	25	3·6	47·5	
9·2		8·1	4·0	
	+1	37·0	–1·3	

4801—4860.

mag.	17h. m	s	—31° ′	
9·6	25	10·9	2·9	
9·0		17·9	0·2	9·0 G=
9·4		19·6	36·0	
9·4		21·6	28·0	
10·2		51·6	11·0	
9·2		54·6	31·8	
9·4	26	4·6	37·6	
9·0		7·1	49·6	
10·0		7·6	40·1	
9·4		8·8	59·6	
10·2		14·6	46·0	
10·2		26·6	41·2	
8·0		32·6	46·9	7·5 GS–c
8·5		35·6	13·2	W–
10·2		47·6	45·5	
9·5	27	0·6	23·4	
10·2		7·6	6·0	
9·2		9·1	18·7	
10·2		13·1	46·3	
8·2		17·1	43·7	9·5
9·8		19·1	59·6	
9·7		23·1	23·4	
9·9		30·1	33·1	
9·5		38·1	44·2	
9·0		54·6	31·1	
9·7		58·6	44·0	
10·0	28	0·1	18·6	
9·8		2·1	24·6	
10·2		4·6	45·0	
9·2		6·6	42·8	
9·5		12·6	39·6	
9·8		13·6	29·0	
10·2		14·1	25·5	
9·8		15·6	6·5	
10·2		16·6	49·0	
9·9		19·1	5·2	
9·2		50·6	28·8	
9·4		58·6	53·7	
9·0	29	6·1	19·6	
9·6		7·1	55·5	
9·0		7·6	18·2	
9·4		8·6	59·3	9·5
9·3		13·6	8·3	
9·3		21·6	44·7	
9·8		22·6	30·8	
10·2		23·6	16·9	
10·2		33·6	35·6	
9·9		44·1	3·4	
9·9		46·1	36·3	
9·8		47·6	7·2	
10·0		50·1	6·3	
9·5		54·0	58·7	
9·2		55·6	46·0	
9·8		57·6	15·0	
9·5	30	7·6	31·2	
10·2		10·1	12·4	
9·2		16·1	55·9	9·0 *G*
9·3		21·6	21·1	
10·2		23·1	22·0	
10·2		30·1	14·7	
	+1	37·1	–1·2	

4861—4920.

mag.	17h. m	s	—31° ′	
9·8	30	32·6	16·7	
9·8		36·4	48·1	
8·9		40·3	0·6	
9·6		42·9	46·3	
9·2		45·9	26·0	
10·2		54·4	27·5	
10·0		54·9	37·7	
10·2	31	4·9	9·0	
9·8		8·4	39·0	
9·0		17·4	1·1	
10·2		37·4	49·3	
10·0		43·4	48·0	
9·2		44·3	57·5	
8·7		45·9	57·9	*G*
9·2		47·4	38·6	
9·8		51·9	8·7	
10·2		58·9	29·8	
9·9		59·4	48·8	
10·2		59·9	29·5	
9·7	32	0·4	28·7	
9·8		3·4	56·0	
9·8		7·4	55·3	
8·8		12·4	48·7	
9·0		13·4	50·0	
10·2		17·4	48·0	
8·9		18·4	56·9	*G*
10·2		25·4	20·3	
10·2		31·4	18·0	
9·5		34·9	9·1	
9·5		34·9	52·6	
10·2		38·1	0·8	
9·7		51·4	17·7	
9·6		56·4	49·6	
10·2		58·4	12·6	
10·2	33	0·4	40·2	
9·7		0·9	12·0	
9·6		3·4	54·0	
10·0		4·4	8·9	
9·9		11·9	30·2	
9·2		13·3	6·1	
9·6		16·3	22·8	
10·2		23·3	28·8	
9·7		34·3	53·9	
9·8		37·8	48·8	
9·8		43·3	43·9	
9·7		44·3	54·0	
9·0		53·3	16·9	
10·2		55·6	59·0	9·5 *G*
9·2		59·3	29·5	
9·8	34	6·0	57·8	
10·0		6·8	21·6	
9·8		11·3	37·2	
9·6		19·3	7·1	
10·0		32·3	13·9	
10·0		35·8	28·9	
10·0		42·8	11·6	
8·7		48·8	39·3	
9·6		52·8	40·9	
10·2		58·7	58·9	
10·2	35	0·3	31·7	
	+1	37·1	–1·0	

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4921—4980.

mag.	17h. m	s	—31° ′	
9·6	35	6·8	22·7	
9·6		10·5	0·7	
9·8		25·8	56·9	
9·3		35·8	33·8	
9·2		40·3	36·7	
9·3		43·8	58·3	
9·3		47·3	45·1	
9·4		47·3	28·2	
9·5		47·3	20·9	9·0 G—
10·2		52·8	40·0	
8·9		59·8	12·8	8·5 W≡
9·4	36	5·3	4·4	
9·7		11·8	49·1	
9·8		23·4	2·1	
10·2		37·3	47·0	
9·9		39·0	3·4	
9·9		41·0	36·1	
10·2	37	4·0	26·1	
9·8		11·0	21·9	
10·0		13·0	28·8	
9·4		15·5	3·2	9·0 —
9·9		23·0	18·0	
9·2		25·5	0·0	8·8 =
10·2		34·5	43·9	
10·2		36·5	6·2	
9·8		43·5	35·9	
9·8		48·5	50·8	
9·7	38	1·5	31·7	
9·8		23·0	13·1	
9·9		28·0	46·6	
9·2		33·0	54·5	—
10·2		39·5	25·2	
10·2		43·0	28·0	
9·8		44·5	32·5	
9·7		46·0	31·7	
9·8		47·2	39·8	
10·2		50·0	26·1	
10·2		50·5	28·4	
10·2		52·5	28·0	
10·2		53·5	28·5	
10·2		53·5	29·0	
10·2		53·5	30·6	
10·2		57·0	10·6	
10·0		57·0	37·7	
10·2		57·2	30·2	
9·7		58·0	30·9	
10·0	39	7·2	26·9	
9·8		8·0	28·4	
9·7		8·0	30·1	
9·2		14·5	20·2	
9·8		16·5	37·5	
10·2		17·0	51·7	
10·2		17·5	24·9	
9·9		20·0	36·5	
10·2		21·2	28·8	
10·2		24·5	20·2	
9·6		26·0	23·5	
8·9		32·0	8·4	8·5 ≡
9·6		32·4	11·8	
9·6		43·9	9·1	
25pr.	+1	37·2	—0·8	

4981—5040.

mag.	17h. m	s	—31° ′	
10·2	39	47·4	49·7	
10·2		51·9	24·7	
10·2	40	11·4	19·7	
9·3		14·9	20·2	
10·2		18·4	14·8	
10·2		21·9	38·2	
10·2		26·4	16·3	
9·2		29·3	56·7	
10·2		41·9	46·0	
10·2		42·9	52·9	
10·2		43·4	20·6	
9·6		55·4	6·4	
9·0		55·9	51·2	
8·8		56·7	1·6	9·5
5·1	41	3·4	39·4	5·0 GStπ
8·9		3·4	14·5	9·5
10·2		5·9	23·9	
10·2		8·4	16·4	
8·2		11·9	12·5	8·0 =
10·2		13·9	16·9	
8·2		20·8	57·8	9·0 —
9·8		22·9	53·2	
9·5		32·5	0·7	
10·2		36·9	47·8	
9·7		45·9	18·5	
10·2		45·9	17·8	
8·8		46·9	39·4	
9·7		54·4	33·1	
10·2	42	2·9	42·0	
10·2		2·9	22·9	
10·2		4·4	22·5	
10·0		5·4	21·8	
9·6		5·9	39·9	
9·7		7·9	15·5	
10·0		9·4	35·8	
10·0		26·4	5·7	
8·9		33·4	15·2	
10·2		36·9	41·9	
9·5		47·9	7·2	
9·7		48·4	26·8	
9·8		53·9	53·2	
9·4		54·4	7·2	
9·6		56·4	11·2	8·5
10·2	43	2·4	22·1	
10·2		2·9	1·7	
9·8		2·9	36·5	
9·8		3·4	37·1	
9·8		4·9	38·1	
10·2		7·9	26·9	
10·2		10·9	53·1	
10·0		22·4	6·7	
10·2		26·4	17·6	
8·8		27·7	59·8	9·0
8·6		29·9	22·5	8·0 W=
9·8		31·9	15·8	
9·6		31·9	40·1	
10·2		37·9	5·3	
9·7		38·9	36·7	
10·0		41·4	32·9	
10·2		42·9	14·7	
	+1	37·2	—0·7	

5041—5100.

mag.	17h. m	s	—31° ′	
10·2	43	43·4	3·7	
9·7		43·9	5·3	
9·6		52·9	22·2	
9·2		53·9	17·2	
8·6	44	2·4	18·8	9·5
10·0		3·9	1·1	
9·9		6·9	15·0	
10·0		8·9	29·6	
8·4		11·9	17·5	7·5 GSa
9·8		20·4	52·9	
9·2		26·4	36·0	9·0
9·8		26·9	51·9	
9·4		31·4	44·2	
8·4		37·9	36·1	9·0
9·8		41·8	29·2	
10·2		43·3	41·9	
10·2		44·8	41·5	
9·9		46·8	8·5	
10·2		52·8	44·8	
9·4	45	0·8	18·3	9·0 —
10·2		6·8	34·9	
9·2		40·8	32·9	
9·3		41·9	1·4	
9·2		44·2	29·9	
10·2		45·8	37·0	
9·8		48·8	22·5	
10·2		51·8	9·0	
9·9		55·5	56·1	
9·8		56·7	47·6	
10·2	46	3·2	7·8	
9·9		4·1	47·9	
10·4		7·1	19·9	
10·4		7·7	59·8	
8·5		10·5	13·8	9·0 =
9·0		17·7	26·5	
10·2		21·6	44·1	
9·8		30·6	3·8	
10·0		33·6	31·3	
9·5		33·6	11·2	
9·2		33·6	3·7	
10·0		36·1	1·6	
10·1		42·6	14·6	
9·2		45·1	4·0	
10·4		48·1	53·2	
10·4		53·1	4·0	
8·9		57·1	5·9	
9·9		57·1	36·9	
9·8	47	3·8	2·8	
9·6		7·1	55·1	9·2
10·4		10·1	15·6	
9·2		10·6	14·1	
10·4		12·1	34·9	
10·4		14·1	31·4	
9·5		19·6	24·6	
8·9		19·8	58·4	8·0 W
9·6		20·1	31·5	
9·8		25·6	9·2	
9·1		26·1	55·8	8·0 W—
9·6		27·1	44·7	
10·2		28·1	39·2	
	+1	37·3	—0·5	

5101—5160.

mag.	17h. m	s	—31° ′	
10·2	47	34·1	23·9	
10·4		34·1	45·9	
10·2		35·6	3·6	
10·4		43·1	55·8	
9·8		44·1	54·0	
8·9		45·1	43·0	
10·2		47·1	8·5	
9·0		48·6	50·9	9·5
9·4		48·6	23·4	
9·6		48·6	10·4	
8·7		53·8	49·1	9·2
8·6	48	1·8	13·6	—
9·9		7·8	49·1	
9·4		13·8	9·9	
10·4		15·3	48·0	
10·4		20·8	12·2	
9·8		28·8	7·0	
8·5		30·8	5·8	
10·4		31·3	34·2	
9·8		33·3	32·9	
9·2		33·8	41·7	
10·4		34·8	28·6	
9·8		36·8	5·4	
8·4		36·8	30·0	9·0 —
9·9		36·8	31·0	
9·9		37·8	48·8	
10·4		41·3	50·0	
9·6		41·8	46·2	
10·4		42·3	23·3	
10·4		43·8	32·9	
10·4		48·8	21·5	
10·4		49·8	27·2	
10·4		53·8	37·8	
9·5		54·8	52·4	
10·1		58·3	52·4	
9·9		58·3	18·8	
10·0	49	1·3	21·6	
8·9		4·8	29·0	9·5
10·4		12·8	42·3	
9·9		12·8	7·8	
10·2		14·3	15·3	
9·1		17·3	29·0	
10·2		17·8	17·6	
8·9		18·8	29·3	9·5
9·8		20·8	9·2	
9·2		21·3	54·4	
10·4		30·3	10·6	
10·2		30·3	51·3	
9·5		38·8	34·6	
9·9		42·6	20·6	
9·5		44·6	41·8	
10·1		50·1	4·7	
9·9		50·1	3·4	
9·4		54·6	29·9	
9·4		55·6	46·0	
9·2		56·6	13·1	
9·2	50	1·6	31·2	
9·8		4·1	31·0	
9·5		12·1	7·2	
10·2		17·6	26·6	
	+1	37·3	—0·4	

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5161—5220.

mag.	17h. m s	—31° ′	
10·0	50 17·8	57·5	
10·4	19·6	26·8	
8·7	24·6	58·0	9·0
9·9	26·6	34·5	
9·4	32·6	30·6	
8·5	34·6	47·1	8·8
8·9	40·6	7·0	8·8 =
9·8	42·1	1·0	
9·8	51·1	46·1	
9·8	54·6	40·9	
10·4	58·1	6·3	
9·2	51 1·1	55·8	8·5 –
10·0	2·6	18·2	
9·5	4·6	34·7	
8·7	9·1	25·7	W=
9·8	11·1	13·8	
9·2	11·1	36·4	
9·8	12·1	5·3	9·5
9·5	17·6	24·0	
10·4	18·6	37·0	
9·8	22·6	57·8	
9·9	24·1	40·9	
10·4	27·1	45·1	
9·5	29·6	7·3	9·5
10·4	32·1	10·9	
10·2	32·6	25·3	
9·8	37·6	6·8	10·0
9·9	49·1	40·7	
9·9	52·6	56·9	
9·6	58·1	31·0	
10·4	52 0·1	51·9	
10·2	3·5	48·5	
9·4	5·5	35·9	
10·2	7·5	52·8	
10·4	8·6	1·0	
9·8	10·0	9·4	
10·4	19·0	20·4	
9·4	21·5	51·7	
9·2	30·0	27·1	
9·0	32·5	5·0	9·0 G≡
9·4	40·0	8·5	
10·4	44·5	7·9	
9·4	45·5	44·3	
9·6	56·5	41·4	
9·9	58·5	48·7	
9·1	59·5	37·0	
9·8	53 2·5	7·1	
9·6	4·5	10·1	
8·7	6·0	57·9	–
10·2	7·5	57·6	
10·0	13·5	54·1	
10·2	14·5	14·3	
10·4	14·5	6·9	
8·5	15·5	44·3	9·0
10·4	17·5	17·9	
9·4	19·5	45·1	
10·4	23·5	7·5	
9·6	24·5	32·1	
10·4	32·5	58·0	
10·0	33·5	21·8	
25pr.	+1 37·3	−0·3	

5221—5280.

mag.	17h. m s	—31° ′	
10·4	53 40·5	30·0	
9·5	44·5	39·1	9·5
10·4	46·5	40·2	
10·4	52·5	53·3	
9·2	53·5	49·7	
9·6	55·5	2·3	
8·8	58·5	23·8	9·0
10·2	54 3·5	31·9	
9·9	3·6	21·1	
8·9	18·6	29·0	9·5
10·2	18·6	32·4	
9·8	19·1	57·4	
10·0	23·1	45·8	
9·5	26·6	0·6	
9·5	32·6	59·8	
10·2	35·1	53·8	
10·4	35·1	5·4	
10·4	40·6	35·2	
9·8	46·6	55·2	
10·2	46·6	48·7	
9·4	48·6	47·2	
9·4	52·6	27·7	
9·2	52·6	4·0	
9·4	53·6	28·7	
9·8	55·1	43·8	
10·4	55 2·6	33·6	
9·2	6·6	53·0	9·0 –
10·4	6·6	23·0	
10·2	6·6	11·8	10·0
10·4	6·6	10·0	
9·4	9·1	4·8	
8·8	12·6	11·8	9·0
10·4	14·4	17·5	
9·6	17·6	21·0	
10·4	20·1	43·2	
9·8	23·6	14·4	
9·8	23·6	27·2	
10·4	27·4	39·9	
10·4	40·6	4·6	
10·4	40·6	11·2	
9·6	44·6	12·8	
10·4	47·6	47·7	
10·2	56 3·5	30·0	
10·0	5·5	17·9	
10·4	5·5	31·4	
8·2	7·5	38·7	8·5 –
10·0	10·0	13·0	
9·6	12·0	33·2	
9·9	12·5	49·6	
10·4	13·3	15·2	
10·4	20·5	38·0	
9·8	22·5	37·5	
9·5	24·5	12·9	9·5
10·1	27·5	34·8	
10·0	33·5	17·8	
10·4	45·0	20·0	
10·4	52·0	48·0	
10·4	57 2·5	53·8	
9·8	2·5	13·8	
9·4	6·5	48·0	
	+1 37·3	−0·2	

5281—5340.

mag.	17h.–18h. m s	—31° ′	
9·8	57 10·0	19·2	
10·4	10·5	59·9	
10·4	11·0	16·0	
10·2	11·5	34·5	
9·4	14·5	3·4	9·0 –
9·6	16·5	56·4	
8·9	19·0	46·3	
9·8	20·0	51·0	
10·2	26·5	46·0	
9·9	27·5	22·4	
10·0	27·5	46·0	
10·4	41·0	53·0	
9·9	42·5	33·4	
10·4	47·5	50·7	
8·9	47·5	55·7	9·0
10·4	47·7	56·4	
10·4	48·5	20·2	
10·4	52·0	31·9	
9·2	52·5	55·2	9·5
9·5	53·5	17·8	
9·9	56·5	12·4	
10·0	57·0	13·4	
8·5	57·5	34·6	9·5
8·5	57·5	29·7	9·0
10·2	58 0·5	30·8	
9·8	1·5	59·3	
10·4	1·5	20·6	
9·9	2·0	27·8	
8·9	2·4	33·5	8·0 G–
8·7	3·4	14·8	–
9·8	21·4	5·0	
9·6	22·6	3·2	
10·4	24·4	58·2	
9·2	27·4	39·7	9·0
9·8	34·4	43·4	
9·8	36·4	45·8	
9·4	39·4	9·1	
10·4	44·4	49·8	
8·9	44·4	45·9	8·5
9·9	56·4	11·2	
10·2	56·4	23·6	
10·1	57·2	56·8	
9·4	59 16·9	40·3	
9·6	25·9	25·0	
9·2	27·4	40·7	9·0
10·1	33·4	51·0	
9·8	39·4	43·0	
9·4	46·4	38·9	
10·2	49·4	35·0	
10·4	52·9	33·2	
8·4	58·2	0·9	8·0 G≥tπ
10·4	0 0·4	24·8	
10·4	3·4	32·9	
10·2	13·4	53·5	
9·2	14·2	1·2	8·5 –
9·9	14·5	0·0	
10·4	16·4	42·2	
9·2	20·9	13·4	
10·1	24·4	27·8	
10·0	26·4	50·2	
	+1 37·3	−0·1	

5341—5400.

mag.	18h. m s	—31° ′	
10·4	0 26·4	22·0	
9·6	27·4	53·9	
10·4	27·9	19·6	
9·8	29·4	35·6	
9·0	32·9	58·8	9·5
10·1	33·4	15·5	
9·9	36·4	23·5	
9·2	42·4	27·3	
10·4	46·4	18·7	
8·9	48·4	15·7	9·5
10·4	48·9	47·8	
10·4	52·4	28·7	
10·2	53·5	56·7	
8·0	54·4	10·4	7·5 GS≡c
10·4	55·9	50·2	
10·4	55·9	8·8	
8·7	1 2·9	27·6	
9·8	3·9	43·1	
10·1	4·4	29·7	
10·2	5·4	51·0	
10·4	13·4	15·5	
10·4	22·4	22·0	
9·5	24·4	40·5	
10·4	30·4	47·3	
10·0	33·4	24·5	
10·4	36·4	18·5	
9·6	36·4	34·4	
9·8	37·4	4·5	
9·6	43·4	36·6	
10·4	47·4	13·0	
9·9	2 0·9	9·7	
9·9	3·4	10·4	
9·5	3·4	37·2	
10·4	12·9	37·3	
8·8	13·4	33·0	8·0 G≡
8·6	16·4	7·7	8·8 W
10·4	16·4	14·5	
10·4	24·9	39·4	
9·0	27·1	1·8	9·2
10·4	28·1	1·4	
9·9	30·4	44·8	
9·8	33·4	48·8	
10·4	37·4	35·4	
10·0	43·9	42·3	
10·4	3 2·4	46·7	
9·8	4·4	52·9	
9·6	17·0	36·1	
9·9	20·5	16·8	
10·4	22·0	33·5	
10·4	22·5	31·4	
10·4	22·5	17·4	
9·8	25·0	25·4	
10·4	33·5	17·5	
9·2	34·0	8·2	
9·2	36·0	17·2	
9·6	37·5	37·5	
9·5	42·0	4·3	
10·4	42·5	22·6	
9·6	44·5	4·4	
10·4	49·5	18·1	
	+1 37·3	+0·1	

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5401—5460.

mag.	18h. m s	—31° ′	
9.8	3 53.0	22.8	
8.9	53.5	17.2	–
9.6	56.5	12.3	
9.6	58.5	43.1	
9.4	4 10.5	24.5	
9.4	16.5	12.6	
9.4	16.5	31.8	
10.4	16.5	39.8	
9.5	22.5	27.1	
10.4	22.5	31.3	
9.5	23.5	31.5	
10.1	24.0	41.6	
9.2	29.0	13.9	10.0
9.9	34.0	56.9	
9.0	45.5	35.2	
9.4	5 3.5	6.8	
10.4	3.5	6.5	
10.4	7.5	41.5	
10.4	15.5	41.2	
9.5	26.5	6.2	
7.2	28.7	59.8	7.5 GS–c
10.4	30.5	32.2	
9.4	37.5	56.4	
10.4	38.5	53.4	
8.9	43.5	22.2	–
9.4	47.5	5.7	
10.0	53.7	59.0	
10.2	55.0	27.8	
10.4	6 2.5	7.0	
10.4	10.0	17.5	
10.2	29.5	45.2	
10.4	31.0	14.3	
10.0	33.5	7.6	
9.2	38.5	4.9	
9.8	44.0	43.0	
8.5	47.5	25.0	8.5 ≡
9.0	47.5	46.5	
10.4	51.5	56.0	
10.2	53.0	47.7	
10.4	56.5	5.0	
10.4	58.5	9.7	
10.4	7 2.5	59.2	
9.9	6.5	28.6	
8.0	14.0	46.3	8.0
9.8	17.0	48.2	
9.5	17.0	52.8	
9.8	20.5	47.7	
10.2	23.5	52.7	
10.4	28.0	12.6	
9.6	29.5	48.0	
10.1	33.5	26.1	
10.4	36.0	11.2	
10.4	40.5	48.4	
10.2	46.5	24.4	
10.4	46.5	26.6	
9.2	48.5	47.8	8.5
10.4	48.5	48.4	
10.1	52.0	15.6	
9.9	53.5	9.9	
10.4	55.5	19.0	
25pr.	+1 37.3	+0.2	

5461—5520.

mag.	18h. m s	—31° ′	
9.4	8 0.0	48.0	
10.4	3.5	51.2	
9.2	4.0	12.2	
9.5	4.5	48.8	
9.1	4.5	55.9	9.5
9.6	6.5	22.8	
8.4	6.5	11.8	8.0 GS≡c
9.9	10.5	46.9	
8.0	13.5	21.4	7.5 GS≥c
8.9	27.5	19.6	
9.6	32.0	35.4	:
9.9	52.0	42.8	
10.2	9 9.0	24.2	
9.8	11.0	39.8	
7.9	11.0	20.2	9.0 GS≥c
10.4	12.5	7.8	
10.4	17.5	21.9	
8.9	22.5	30.6	G–
9.2	24.5	16.0	
8.9	26.2	50.9	
9.2	27.5	49.0	
9.2	31.9	28.1	
9.2	33.2	57.0	
10.1	35.0	47.3	
10.0	37.2	47.2	
10.4	38.2	58.4	
9.8	40.2	13.8	:
9.8	42.2	23.2	
9.2	44.2	18.2	
9.8	44.2	12.1	
9.8	49.9	4.1	
10.0	52.9	14.8	
9.9	56.7	1.7	
9.8	10 12.4	31.9	
10.4	17.0	7.2	
10.4	20.0	57.6	
10.4	20.5	16.7	
9.2	26.5	50.9	
10.4	26.5	4.7	
10.2	26.5	7.0	
9.3	32.9	4.0	
8.7	45.8	16.4	9.0 –
10.3	46.8	9.4	
10.2	48.5	2.0	
10.3	48.8	27.0	
10.3	49.8	7.5	
10.3	11 12.3	48.5	
10.2	17.8	23.3	
10.3	24.3	44.7	
10.2	27.3	3.8	
10.2	34.3	41.3	
10.2	42.3	4.4	
10.3	43.8	52.1	
10.3	53.8	25.2	
10.2	12 1.3	31.3	
10.3	5.8	30.1	
7.8	20.8	21.9	7.5 GS≥c
8.6	22.8	36.7	9.5
10.2	36.8	6.9	
10.3	13 8.3	8.9	
	+1 37.3	+0.4	

5521—5580.

mag.	18h. m s	—31° ′	
10.0	13 11.8	16.5	
9.1	20.8	16.9	
10.3	23.8	26.8	
10.2	46.2	7.5	
10.2	48.8	56.4	
8.8	50.8	37.5	9.5
9.6	52.3	36.0	
9.3	14 18.7	59.6	
9.6	32.3	7.9	
10.0	32.8	3.8	
10.3	54.6	2.6	
10.0	15 8.3	24.6	10.0
9.3	9.8	27.2	
10.2	33.3	32.5	:
10.0	34.8	13.8	
9.4	38.8	26.9	
10.3	45.8	21.1	
9.1	16 2.8	11.6	10.0 =
8.6	3.8	15.7	9.5 =
10.2	22.3	22.7	
10.2	44.2	10.2	
10.2	54.7	39.1	
10.3	17 7.2	32.9	
10.2	32.7	54.4	
9.4	37.7	33.9	=
9.8	41.2	14.8	
7.8	47.2	49.3	8.0 GSc
10.0	18 25.7	9.1	
9.4	31.2	50.1	9.5
10.0	36.2	50.7	G
9.6	51.7	11.7	
8.2	57.2	26.4	7.5 G≡
9.2	19 15.7	56.9	
8.4	29.2	36.1	8.5 GS≡
10.2	33.2	20.5	
10.3	41.2	16.1	
9.3	41.7	52.9	
9.2	56.7	38.3	9.5
8.3	20 22.2	12.3	8.0 G=
9.3	30.6	57.6	9.5
10.2	30.7	13.7	
10.3	38.9	58.5	
10.3	46.2	22.8	
10.0	21 0.2	37.1	9.5
9.6	1.2	27.6	
8.4	13.2	38.1	8.5 GW=m
9.6	24.2	32.7	
10.3	37.2	28.3	
10.2	44.2	18.9	
9.3	55.2	49.3	9.0
10.2	22 3.2	7.3	
9.4	16.2	2.5	9.0 ≥
10.3	22.2	17.9	
9.3	27.2	46.5	
9.9	29.7	51.5	
9.6	30.7	29.7	10.0
10.3	37.7	45.5	
10.2	43.7	10.1	
9.4	44.2	33.3	9.5
9.0	47.7	23.3	
	+1 37.2	+0.7	

5581—5640.

mag.	18h. m s	—31° ′	
10.3	22 57.2	42.3	
10.2	59.7	9.3	
10.3	23 4.2	17.5	
10.3	6.2	25.2	
9.6	13.2	45.3	
9.3	47.2	39.3	
10.3	56.2	18.2	
8.6	24 12.7	12.9	9.0 ≡
10.2	19.2	3.4	
10.2	29.2	27.0	
9.6	38.6	1.2	
10.0	49.6	7.7	
9.5	50.6	32.5	
9.6	51.1	5.0	–
9.5	53.1	30.9	
10.2	54.1	39.0	
10.2	59.6	56.3	
10.3	25 0.1	31.3	
10.2	0.1	36.1	
10.2	8.1	5.1	
9.9	15.1	21.2	
10.3	17.1	7.1	
9.8	22.1	44.9	
10.3	25.1	47.3	
10.3	26.1	55.5	
9.9	29.1	31.0	
10.0	30.1	18.6	
9.9	33.1	15.1	
9.2	45.1	32.9	9.5 –
10.3	26 7.6	29.7	
10.3	10.1	13.7	
9.6	12.1	5.3	
9.6	13.1	55.9	
10.3	19.1	41.1	
8.5	20.1	14.8	=
10.3	21.6	26.1	
10.2	22.1	25.8	
8.5	27.1	21.2	≡
10.2	30.6	2.7	
9.9	32.1	32.3	
10.3	27 23.1	41.7	
9.6	45.6	46.9	
9.9	57.6	23.8	
10.3	28 18.6	55.3	
10.2	30.1	36.0	
10.0	38.1	48.5	10.0
10.3	39.6	3.9	
10.0	44.1	53.1	
10.2	47.1	5.4	
10.2	58.1	28.0	
9.9	29 20.1	34.7	
9.2	27.1	34.1	9.5
10.2	32.0	17.8	
10.2	48.1	27.7	
9.6	56.1	53.8	
9.6	57.6	27.7	
10.2	30 6.1	46.0	
9.0	16.1	25.1	–
10.3	16.1	27.1	
10.2	22.5	2.2	
	+1 37.1	+0.9	

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5641—5700.

mag.	18h. m	s	—31° ′	
8·0	30	31·6	27·4	8·5≡
10·3		43·1	9·3	
8·7		44·1	19·6	9·5
10·0		50·6	16·0	
10·2	31	5·6	51·7	
10·2		11·6	55·6	
10·2		14·0	42·5	
10·3		14·6	12·8	
10·3		25·0	48·0	
9·4		32·1	22·4	
10·3		47·2	1·6	
9·6		51·6	4·7	
8·8	32	4·1	21·4	
10·2		34·0	15·8	
8·8		42·1	2·0	a
10·3		43·1	25·0	
10·3	33	2·0	24·9	
8·4		4·6	11·1	9·0 –
10·3		5·6	1·8	
9·8		14·3	33·3	
10·2		38·6	33·1	
10·2		38·8	50·1	
9·9		43·1	5·6	
8·7		43·3	17·1	9·0 G≥
10·2		43·4	2·1	
8·0		51·8	35·6	8·0GW≡m
10·4		58·1	17·4	G
10·4	34	13·1	17·2	
9·6		24·8	41·3	
9·2		33·4	11·6	
10·3		34·6	28·8	
10·0		37·8	11·9	
9·7		41·6	5·1	
9·6		45·6	19·0	
9·7		47·6	18·6	
9·1		56·4	57·6	
10·4	35	4·6	13·8	
10·4		6·6	22·1	
8·2		10·6	45·2	8·5 GWm
10·4		21·6	54·1	
9·8		46·1	51·4	
9·6		54·6	51·6	
9·2		57·6	24·7	10·0
10·4	36	4·6	51·9	
9·2		11·6	29·9	9·2 =
10·4		26·6	8·1	
8·8		33·6	31·3	8·5 M≡m
9·0		53·6	58·5	
9·9	37	3·6	43·2	
9·9		5·1	16·9	
9·4		7·6	52·3	
9·4		24·6	46·4	9·5
9·6		33·6	49·8	
9·5		34·1	4·4	
9·7		37·1	9·6	
10·0		51·6	43·9	
9·7	38	3·6	2·0	
9·9		4·6	19·9	
10·4		9·6	3·7	
10·3		9·6	48·1	
25pr.	+1	37·1	+1·3	

5701—5760.

mag.	18h. m	s	—31° ′	
8·8	38	14·1	15·8	9·5 –
9·9		20·1	33·7	
9·4		23·1	28·1	–
10·4		28·6	21·3	
10·0		31·1	3·6	
10·0		38·1	4·3	
10·3		45·1	49·0	
9·4		53·6	40·0	9·0 Mm
9·7		54·6	36·9	
8·2	39	5·6	52·2	8·0 G–m
10·3		14·1	28·1	
8·5		16·6	40·7	9·2
10·4		17·6	16·2	
10·4		49·6	26·0	
9·7		51·6	15·0	
9·4	40	4·6	58·0	10·0
10·4		5·6	51·0	
9·8		8·6	50·8	
7·7		15·9	59·9	8·0 G–
10·2		23·6	33·2	
10·3		27·6	25·0	
9·9		35·6	30·4	
9·9		46·1	50·8	
10·3		47·6	17·4	
10·4		51·6	6·6	
9·0	41	4·6	24·2	
9·7		6·7	0·0	
9·8		8·1	25·4	
10·0		18·1	30·2	
10·0		29·6	28·6	
9·5		30·6	1·0	
9·4		39·1	40·6	9·0
9·4		39·6	39·0	
10·4		48·1	39·9	
9·2		48·1	28·6	
9·9		55·6	41·0	9·5
8·6	42	8·6	16·8	=
10·4		28·6	8·3	
9·9		38·6	47·5	
9·9		41·1	44·0	
10·0		41·1	3·0	
8·0		55·6	6·2	8·5 GSbc
9·7	43	1·6	50·2	
10·0		6·6	32·4	
10·0		18·6	41·8	
10·3		26·6	28·2	
9·1		29·6	1·2	9·0 G–
9·7		31·1	29·2	
8·2		44·6	24·2	=
9·7		50·6	0·8	
10·4	44	17·6	51·1	
10·4		21·1	3·8	
8·4		23·6	8·0	8·5 GW–
9·4		25·1	2·2	9·5
9·8		26·6	49·3	
10·3		31·2	57·8	
8·8		32·1	53·2	
9·7		38·1	7·2	9·5
9·9		45·1	14·5	
10·4		51·1	11·2	
	+1	37·0	+1·5	

5761—5820.

mag.	18h. m	s	—31° ′	
10·4	44	54·1	20·6	
9·8		56·5	30·0	
10·4	45	3·1	32·1	
10·0		9·1	29·9	
9·2		13·1	26·3	9·5
9·1		35·1	16·3	9·5
8·8		46·1	51·4	
10·0		51·1	34·8	
9·4		53·1	7·2	
9·9		54·1	4·8	
9·2		57·1	20·9	8·5 –
10·0	46	17·6	36·5	
8·6		24·1	47·0	
9·4		34·1	15·3	
8·3		37·1	16·8	8·5 M≡m
9·6		37·1	21·0	9·0
9·7		40·1	22·5	
10·3		41·1	45·3	
9·9		48·1	21·2	
10·3		50·1	33·1	
10·0		51·6	10·7	
10·0	47	2·6	30·3	
10·0		8·1	10·2	
10·0		8·1	28·6	
10·4		13·1	25·8	
10·4		14·6	20·4	
10·0		19·6	11·9	
9·6		26·1	23·2	
10·0		31·1	7·7	
9·5		57·1	34·2	
10·0	48	4·1	25·4	
8·0		22·6	50·8	7·0 GS–c
9·0		28·1	3·3	9·0 =
10·4		31·1	55·2	
10·4		36·7	58·5	
9·4		47·1	6·9	
10·0	49	7·1	56·1	
9·9		14·1	54·0	
10·0		27·1	48·0	
9·6		30·1	3·5	–
9·8		44·1	5·2	
9·7		46·8	0·1	
8·6	50	0·2	58·6	8·0 G–
9·0		7·1	44·4	
8·2		19·1	11·8	6·5 GS=c
10·4		25·6	55·3	
9·6		26·6	12·9	
10·4		27·1	28·3	
10·2		41·1	21·1	
10·0		48·6	24·3	
10·3		51·1	28·7	
9·6		55·1	9·8	
10·3	51	12·8	31·3	
10·4		34·8	23·7	
10·0		57·6	11·7	
10·0	52	23·6	17·3	
9·8		37·1	21·3	
10·0		47·1	44·1	
10·0	53	15·1	40·9	
10·4		15·8	49·9	
	+1	36·8	+1·7	

5821—5880.

mag.	18h. m	s	—31° ′	
9·9	53	28·1	45·0	
10·2		30·8	23·9	
10·3		37·6	1·7	
10·4		38·1	8·5	
9·7		40·6	33·9	
8·8		50·1	39·5	–
10·4		53·1	16·7	
10·4		54·1	17·1	
10·0	54	7·1	7·2	
9·9		11·1	36·2	
9·8		12·1	40·3	
8·6		22·1	6·9	8·0 Ga=
10·0		27·6	29·1	
10·4		29·1	28·2	
9·9		33·1	40·8	
9·9		45·6	12·8	
10·2		45·8	10·9	
9·8	55	14·1	33·3	
10·3		29·1	17·3	
10·3		41·1	9·9	
8·6		42·5	49·0	–
9·8		50·0	48·0	
10·4		54·5	0·7	
10·3		58·2	58·3	
8·6	56	3·0	38·1	
8·8		4·0	50·7	
9·9		20·0	44·1	
5·4		24·0	13·6	6·0 GStπ
9·9		28·0	13·9	
8·2		38·0	33·1	
9·8		39·5	54·4	
8·3		44·0	7·8	9·0 =
10·2		55·0	23·5	
10·4		57·0	27·3	
9·7	57	1·5	27·2	10·0
10·3		11·0	18·9	
9·9		14·6	58·0	
9·7		20·5	27·0	
9·7		22·6	26·6	9·5
9·7		23·6	50·6	
10·2		28·0	44·8	
9·4		44·0	55·5	9·0
10·4		46·8	58·8	
10·4		47·0	29·5	
10·4		53·0	31·1	
9·6		58·0	34·8	
8·0	58	5·0	52·9	8·5 –m
9·9		7·0	10·1	
10·3		8·0	20·3	
9·1		13·6	11·8	–
10·0		14·4	5·1	
10·4		15·0	44·7	
9·8		17·7	39·8	
9·8		17·7	40·0	
9·4		25·9	47·5	
9·0		28·2	29·6	
9·6		31·4	39·0	
10·2		35·2	25·2	
10·3		35·7	13·0	
9·4		36·6	16·7	
	+1	36·7	+2·1	

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5881—5940.

mag.	18h.–19h. m	s	—31° ′	
10·3	58	36·9	51·8	
10·3		42·7	22·9	
10·3		46·4	46·9	
10·0	59	0·7	50·1	
10·0		3·2	50·7	
9·9		4·2	26·5	
10·3		5·2	12·4	
10·3		9·2	9·2	
9·1		33·2	51·7	–
8·8		49·2	20·3	–
10·0		49·2	36·5	
10·3		51·2	11·6	
9·4		53·2	36·3	
8·8	0	13·2	32·3	
9·6		25·2	0·0	
10·3		28·2	25·9	
7·9		30·7	9·9	8·0 =m
9·9		33·2	27·4	
8·4		33·2	17·1	8·5 =
7·9		35·2	30·5	
9·9		42·2	28·0	
9·6		46·2	28·9	
10·3	1	5·2	5·4	
9·5		13·7	53·1	
9·6		13·7	7·1	
10·0		25·2	47·5	
9·4		32·2	23·3	
9·4		45·4	54·7	
10·0	2	18·5	58·1	
10·3		19·9	45·2	
9·7		22·9	38·0	
10·0		44·4	37·1	
10·3	3	3·4	40·7	
9·4		22·4	42·3	
8·9		23·9	51·3	
9·4		25·9	35·3	
10·0		37·9	40·9	
10·0		42·9	20·3	
10·0		46·9	57·9	
9·8		57·4	23·7	
8·4	4	2·9	24·5	–
10·3		2·9	5·3	
10·3		5·9	6·7	
9·4		18·4	18·9	
10·3		18·9	16·3	
10·3		37·9	25·6	
9·4		37·9	37·6	
9·2		45·9	39·7	
8·8	5	12·9	7·9	9·0 –
8·8		13·9	7·9	8·5 =
8·2		22·9	53·9	8·5 G–
8·7		36·9	55·7	8·5 G
8·7		43·3	57·9	9·0
9·8		48·9	24·7	
9·1		56·4	16·2	
9·0		56·9	6·6	
9·0	6	4·9	13·5	
10·3		13·9	33·3	
10·2		15·4	5·4	
9·0		35·9	59·8	9·5
25pr.	+1	36·6	+2·2	

5941—6000.

mag.	19h. m	s	—31° ′	
10·3	6	40·9	12·9	
9·0		40·9	53·1	9·5
10·3		43·7	22·0	
9·1		45·7	30·8	
8·2		47·2	17·7	–
8·2		50·7	3·0	≡
9·5		57·2	23·6	
9·2	7	1·7	20·2	
9·2		5·2	26·6	
10·0		20·2	56·9	
9·9		23·7	3·3	
9·6		31·2	32·2	
9·9		55·2	4·8	
9·2	8	4·2	55·7	
9·6		5·2	4·4	
9·9		5·7	3·2	
9·1		12·2	24·6	
9·7		13·7	46·6	
8·4		29·7	37·3	9·0 –
9·9		41·7	43·7	
9·6		41·7	15·0	
9·0		45·7	38·7	10·0
10·2		45·8	2·5	
9·5	9	2·7	33·6	9·5
10·2		16·2	12·4	
10·2		19·2	32·1	
9·9		45·7	30·8	
10·3		53·7	23·3	
10·3	10	2·7	51·5	
9·6		10·2	40·8	
10·2		10·7	4·8	
9·6		13·7	33·0	
9·0		18·2	28·7	
8·8		22·2	41·1	
9·6		33·7	0·0	
8·9		33·9	3·1	9·2 a
9·8	11	1·2	18·8	
9·4		1·2	17·4	
9·9		11·7	48·0	
9·6		16·7	47·0	
9·0		22·7	11·8	9·0 –
8·8		27·6	54·8	8·5
10·3		32·5	54·9	
10·3		32·6	59·0	
10·0		33·6	43·7	
9·9		42·1	36·4	
10·2		53·6	5·7	
9·9	12	12·6	54·8	
8·7		20·7	57·4	9·0
9·0		22·6	4·1	10·0
10·3		27·1	48·1	
9·6		31·6	54·7	9·0
10·2		39·6	55·0	
10·2		51·1	12·0	
9·0	13	2·6	26·1	8·5 G–m
10·3		22·6	22·8	
10·0		32·6	1·0	
9·6		36·9	2·8	
9·6		42·6	9·0	
9·7		49·6	35·6	
	+1	36·4	+2·5	

6001—6060.

mag.	19h. m	s	—31° ′	
9·5	13	52·6	22·6	
9·8	14	5·6	30·0	
10·3		11·6	0·4	
9·5		36·1	25·1	
9·2		38·1	35·1	
9·9		53·6	18·7	
10·3		59·5	42·6	
9·5	15	4·6	5·5	–
10·0		12·1	45·0	
9·7		12·6	5·4	
10·0		19·6	58·6	
9·0		49·6	55·9	10·0
10·3	16	21·5	41·1	
9·2		32·6	50·7	9·5
10·0		33·1	55·1	
8·4		35·6	2·3	8·0 GSbc
9·9		39·6	15·0	
10·0		41·6	17·5	
9·9	17	0·6	30·4	
9·5		13·5	34·1	
9·2		33·0	51·5	
10·2		34·3	1·7	
9·2		42·5	10·1	
9·6		46·5	6·2	
9·1	18	2·0	42·0	
10·3		13·0	8·1	
10·3		19·5	30·0	
10·2		31·0	28·8	
10·2		33·0	52·0	
8·7		36·5	32·0	G
10·3		37·0	7·9	
9·4		40·0	51·1	9·0
8·2	19	3·0	56·0	8·5
9·2		11·5	35·7	9·2 G
9·9		15·5	44·8	
10·2		15·5	25·0	
9·8		19·0	1·0	
8·6		21·5	11·9	8·0 =
9·1		26·0	11·2	
10·3		31·5	12·0	
8·8		33·5	37·7	9·2
9·6		56·5	38·9	
9·8	20	9·0	47·6	
9·9		12·5	0·3	
9·2		15·5	7·6	9·0 G
9·9		23·5	35·0	
8·2		27·0	38·0	8·0 G–
10·3		28·7	0·7	
9·2		34·5	14·7	
9·1		35·5	52·9	
9·8		41·5	58·1	
10·3		43·0	26·2	
10·3		56·0	40·1	
10·2	21	13·5	51·2	
10·3		17·0	44·2	
9·1		17·0	21·5	9·0 G–
9·9		21·5	20·6	
9·5		21·5	18·2	
8·0		43·5	2·7	7·0 GSbc
10·3		52·5	20·4	
	+1	36·0	+2·8	

6061—6120.

mag.	19h. m	s	—31° ′	
9·6	22	14·7	8·6	
9·0	23	13·5	59·9	9·0 G–
9·4		17·2	28·9	
10·4		29·2	34·1	
10·4	24	4·2	35·9	
10·0		6·2	39·6	
8·5		14·2	0·6	9·0 a
8·4		16·7	20·1	8·5 =m
9·8		26·2	36·6	
9·8		26·2	23·8	
10·0		30·2	24·4	
9·0		31·7	13·8	8·8 –
8·0		31·7	7·8	7·0 GSac
9·4		32·2	35·1	
10·0	25	12·7	54·6	
9·8		17·2	53·8	
9·4		44·7	8·3	
9·6		46·7	26·6	
10·4	26	7·4	46·4	
9·6		26·2	10·9	
10·0		44·7	54·8	
9·6		45·7	9·0	
7·8	27	6·2	52·6	7·7 GSc
10·0		14·7	48·3	
9·6		26·4	37·9	
10·4		37·4	36·7	
9·8		38·4	37·0	
10·2		54·6	15·7	
10·4		56·9	9·3	
10·0		59·4	17·5	
10·4	28	20·9	51·9	
8·0		26·4	36·4	9·0 G–m
9·4		37·9	31·9	
9·1		38·4	53·1	9·0
9·6		44·4	50·2	
9·6		55·6	59·9	9·2
9·6	29	28·4	11·2	
9·6		28·9	11·6	
10·4		42·9	9·7	
10·4		58·4	40·1	
10·4	30	15·9	57·1	
9·8		26·9	37·9	
9·8		27·4	51·6	
8·0		53·9	41·6	8·5
9·6		54·4	13·0	
10·2	31	14·4	42·9	
9·8		23·4	37·3	
9·8		29·9	37·8	
9·8		46·4	51·6	
9·6		49·9	32·2	
9·0	32	4·4	53·5	9·0
9·2		23·4	33·1	G–
9·8		34·1	58·1	
9·6	33	11·9	56·0	9·0 G
8·5		15·9	58·8	9·0 G–
9·8		26·4	20·0	
10·4		36·4	27·8	
10·0		53·4	57·5	
9·2		53·4	36·9	
10·0	34	8·4	45·2	
	+1	35·8	+3·1	

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6121—6180.

mag.	19h. m	s	−31° ′	
9.0	34	32.4	39.3	9.5
9.0		56.4	33.3	9.0 –
9.4	35	7.4	28.6	
9.6		15.9	1.6	
9.2		17.8	24.1	9.5 G–
9.0		18.4	55.7	9.0 –
10.0		22.3	3.7	
9.8		53.3	9.6	
10.4	36	0.6	1.9	
9.4		2.8	51.9	
9.4		6.3	12.9	
9.1		8.3	47.5	
9.6		9.3	25.5	
9.6		14.3	7.3	9.5
10.4		22.8	54.8	
9.0		26.3	22.4	9.5 –
9.8		34.3	17.2	
9.1		57.8	26.5	
8.6	37	3.3	20.5	9.5 G
10.0		24.3	27.7	
7.4		28.8	12.1	6.8 GStπ
8.5		44.3	5.0	8.6 G=
10.0		55.8	20.3	
9.6	38	13.3	51.7	9.5
9.0		48.8	43.1	9.0
9.8	39	6.3	40.2	
9.0		8.8	43.9	9.5
9.2		16.3	24.9	8.8 –m
9.6		28.5	49.7	9.0 G
9.6		56.1	0.7	
10.0	40	14.8	58.1	
9.8		16.1	1.9	
9.6		58.8	8.7	
10.2	41	6.3	16.7	
10.4		15.7	0.8	
9.6		20.3	9.6	
9.6		27.3	11.3	
9.6		53.8	50.1	
9.8	42	11.3	11.5	
8.8		36.3	11.9	8.2 G=m
9.8		50.8	31.9	
8.6		51.3	14.5	8.2 Gb=
9.8	43	26.8	24.7	
8.6		31.3	26.0	8.5 M–m
9.6		45.8	20.8	9.5
9.6	44	23.3	44.7	
9.8		25.8	51.4	
9.4		58.8	10.5	9.0 –
9.6	45	14.0	9.0	
9.6		29.5	45.6	
10.4	46	23.3	16.1	
9.4		40.3	37.4	
10.4		53.8	47.8	
8.7	47	39.7	25.1	9.5 ≡m
9.0		46.9	58.0	9.5 G
9.4	48	21.7	19.5	
7.8		21.9	56.1	8.2 G–
9.2		31.7	11.3	9.0 m
8.6		39.2	39.9	
10.0		52.2	59.0	
25pr.	+1	35.4	+3.5	

6181—6240.

mag.	19h.–20h. m	s	−31° ′	
9.8	49	10.7	3.2	10.0
10.2		13.7	19.3	
9.6		17.7	21.1	
10.4		49.4	59.3	
9.5		51.7	41.9	
8.8		56.7	14.3	9.0
8.5	50	4.2	5.4	9.2
9.8		28.7	3.9	
9.1		45.7	15.5	
9.8	51	6.2	39.7	
10.2		17.7	10.5	
10.2	52	17.7	52.9	9.5 G
9.2		22.4	0.9	–
10.4		40.2	14.5	
10.4		57.4	31.3	
8.8	53	1.4	39.0	9.5
8.8	54	15.4	19.1	–
10.0	55	25.4	35.8	–
9.5		45.4	36.3	
10.0		45.4	51.0	
8.7	56	25.4	3.8	8.8 Gam
10.0		52.4	41.7	
10.2	57	16.4	28.5	
8.8	58	15.4	9.5	8.5 ≡
10.4		30.9	56.1	
8.0		34.4	55.1	8.0 M–m
10.4		51.9	5.8	
9.8	59	18.4	59.7	
9.6		42.4	36.8	
9.6		52.4	0.9	G:
8.6		55.4	12.6	9.0 GM=m
9.6	0	2.4	10.6	9.5 G=
9.1		4.6	32.1	
9.4		4.9	37.6	
9.6		25.4	38.7	–
10.0	1	34.9	30.7	
8.1	2	21.4	31.7	8.0 G=
9.1		26.4	53.1	9.2 –
10.4		37.4	32.2	
8.8		44.6	57.2	9.8 G
9.6	3	1.4	1.8	
8.6		35.4	10.0	9.0 GM–m
9.6	5	3.9	51.6	9.0
9.0	6	5.9	16.6	9.0 GM–m
9.2		23.4	51.1	–
9.6		37.4	49.4	
9.5		39.9	37.8	
9.8	7	10.9	12.0	
10.0		43.9	10.3	
9.6	8	5.4	4.0	9.5 ≡
8.3		15.4	37.2	9.0 =
9.4		22.4	45.8	
8.0	9	10.9	35.2	8.0 GS=m
10.0		38.9	9.2	
9.6	10	42.9	44.4	
9.9		49.4	56.7	
9.9	11	26.4	29.2	
9.9		28.4	22.3	
9.9		53.4	50.6	
9.8		53.9	8.7	
	+1	34.5	+4.2	

6241—6300.

mag.	20h. m	s	−31° ′	
9.0	11	55.9	51.6	
9.9		55.9	56.1	
9.4	12	5.4	39.2	
9.8		6.4	39.4	
10.0		30.4	41.0	
9.0		41.4	23.3	9.0 GM≡m
9.4	13	6.9	33.2	
9.6		9.9	42.7	
9.3		22.4	15.8	
9.4		23.4	26.2	
9.6		32.4	21.1	
9.9	14	3.9	37.1	
9.4		3.9	42.5	
9.6		14.4	9.3	10.0 G–
9.0		22.9	31.8	–
9.8	15	25.4	30.1	
10.0		40.9	9.5	
9.8		59.4	27.2	
9.4	17	10.9	32.7	
9.3		32.4	9.8	
9.6		33.9	15.8	
9.9		45.9	37.3	
9.4		51.9	38.4	
9.4	18	41.9	22.1	
8.1		54.4	4.9	8.0 GSb≡
9.1		59.9	45.3	
9.0	19	37.4	14.2	10.0 –
7.3		58.9	15.5	6.8 GS≡m
9.9	20	1.4	47.2	
8.8		11.4	39.2	–
9.0		33.1	51.7	
9.6		35.6	5.4	
9.4		53.4	59.4	
10.0	21	2.6	49.7	
9.8		19.6	20.8	
9.6		25.1	32.0	
9.0		56.1	39.3	
10.0	22	22.5	39.4	
9.0		55.1	42.1	9.0 Mm
10.0	23	5.1	32.6	
9.0		22.6	7.4	9.5 =
9.6		56.6	47.6	
9.6	24	14.1	10.5	
9.6		17.6	28.4	
9.6		36.6	12.0	–
9.8		52.6	31.9	
7.8		56.6	48.2	8.0 GS–m
9.1		57.1	2.0	9.0 a
10.0	25	14.6	43.4	
9.8		22.6	23.3	
9.9		27.6	19.8	
9.4		50.6	12.0	
9.6	26	13.6	13.8	
9.4		14.6	38.0	8.8
9.1		32.9	1.0	–
10.0		57.1	11.8	
9.3	27	3.1	10.3	–
9.4		54.1	55.1	
9.6		54.1	50.6	
8.2		54.6	3.7	8.3 a
	+1	33.6	+4.8	

6301—6360.

mag.	20h. m	s	−31° ′	
9.3	27	54.6	2.0	
9.1	28	6.6	31.4	
10.0		9.6	4.6	
9.6		37.1	8.4	9.5
9.4		56.1	14.4	
10.0	29	6.1	13.6	
9.3		24.1	4.2	
10.0		24.6	35.6	
9.3		24.6	39.9	–
9.4		52.3	27.4	9.5 GMm
9.6	30	5.3	16.1	
9.4		11.8	45.9	
8.6		13.3	48.2	8.5 G
9.9		24.3	38.7	
8.3		25.8	24.7	7.5 GM–m
8.4		34.3	23.1	7.8 G–
9.9		34.3	35.6	
10.0		57.8	31.2	
8.3	31	55.3	21.6	8.5 ≡m
10.0	32	28.8	34.4	
9.6		49.3	39.4	
10.0	34	5.8	18.4	
10.8		15.2	43.3	
10.8		18.2	27.6	
9.6		25.7	23.6	
8.2		35.7	0.2	8.5 Gam
10.8		45.7	51.3	
10.8		55.7	29.9	
8.8	35	27.7	51.0	
10.3		28.2	31.7	
8.8		38.7	59.8	9.0 =
10.0	36	56.2	29.1	
10.8		57.2	5.9	
9.4	37	3.7	38.8	
8.8		24.2	46.8	–
8.5		31.7	24.2	8.8 G=
10.4		33.7	24.2	G
10.4	38	6.2	31.5	
8.0		35.7	58.6	8.7 G
10.8		44.7	51.0	
9.2	39	13.2	20.6	
10.8		13.7	54.6	
10.2		26.7	20.7	
9.6		26.7	10.0	=
8.6		32.7	54.6	8.5 G
8.5	40	11.1	59.4	8.8 G
9.8		13.7	11.5	
10.2		33.7	53.0	
9.2		40.2	28.1	
8.8		45.7	53.7	8.8 m
8.8	41	18.7	8.1	9.0 G–
9.2	42	10.7	41.6	
9.9		20.7	16.0	
10.3		21.7	10.9	
10.8		25.7	30.0	
10.4		35.7	20.0	
9.8		43.7	20.9	
10.3		59.7	4.0	
8.0	43	1.7	43.4	8.0 G
9.9		28.7	30.8	
	+1	32.8	+5.3	

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6361—6420.				
	20h.		—31°	
mag.	m	s	′	
10·0	43	46·7	35·4	
10·8	44	12·7	34·0	
10·2		16·7	15·9	
8·4		35·7	9·7	7·5 GWa
8·4		37·2	51·6	8·0 G—
10·8		42·7	36·0	
10·4		52·7	41·4	
10·8	45	5·7	8·2	
9·2		15·2	55·4	9·5
9·8		20·2	31·0	
7·4		30·2	58·9	7·3 GS
10·8		32·9	47·4	
10·2		43·5	59·6	
7·4		45·9	11·2	6·5 GSa
10·8	46	1·9	3·1	
9·9		11·4	9·8	
10·8		12·4	29·7	
10·2		13·4	36·3	
10·8	47	20·0	24·0	
10·3		50·4	41·4	
8·4		59·9	22·0	7·5 G≡
7·4	48	13·9	58·8	7·8 GSπ
10·4		17·9	3·1	
9·9		41·9	4·0	
10·8		42·4	30·3	
10·4		45·9	14·9	
10·8		59·9	7·0	
10·2	49	3·9	31·2	
10·0		46·4	45·8	
10·2		47·9	25·0	
10·2		51·9	40·0	
9·2	50	5·9	18·0	
9·8		36·4	40·1	
9·2		38·4	5·8	—
10·8		43·4	11·3	
10·3	51	17·9	3·5	
9·0		55·4	45·9	
9·2	52	2·9	3·1	9·5 G—
9·8		5·9	16·0	
9·2		8·4	52·6	
10·8		13·4	13·2	
9·8		16·9	14·6	
9·2		18·4	52·4	
9·8		18·9	38·6	
8·6		29·9	4·0	9·2
10·8		39·9	46·9	
9·4	53	2·9	42·8	
9·4		6·9	48·3	
9·2		12·9	43·0	
9·4		17·9	46·0	
9·2		19·9	14·5	—
10·8		49·4	48·8	
9·8		55·9	44·8	
9·0		55·9	43·7	
9·8	54	2·9	12·0	
9·4		19·9	25·0	
9·9		32·9	5·1	
10·8	55	2·9	6·3	
8·5		2·9	16·2	8·5 G≡
9·8		12·4	24·1	
25 pr.	+ 1	31·9	+ 5·6	

6421—6480.				
	20h.–21h.		—31°	
mag.	m	s	′	
9·8	55	20·9	56·8	10·0 G
8·6		25·2	58·0	9·5 G
9·8		30·9	47·1	
10·8		35·9	27·7	
9·2	56	5·9	12·7	
10·0		5·9	45·1	
9·9		8·2	58·7	
10·8		19·9	27·1	
10·4		48·9	52·6	
10·8	57	25·9	8·0	
10·3		25·9	31·9	
9·9		31·7	2·9	
9·9		42·9	51·3	
9·9	58	13·4	17·4	
10·0		19·9	16·2	
8·8		36·9	31·9	=
10·2		36·9	13·9	
10·6		44·7	56·2	
10·6		47·2	19·2	
9·2		54·2	34·2	
9·6	59	0·5	28·7	
10·0		41·2	24·2	
8·2		46·2	59·9	8·3 G
10·6		59·7	50·8	
9·4	0	6·7	38·0	
7·6		6·7	33·6	7·5 G≡tπ
9·5		17·7	6·0	
9·5	1	14·3	2·6	
8·2		32·7	21·8	9·0 =
9·8		37·2	48·8	
10·0		48·2	33·8	
9·9		49·7	14·2	
9·2	2	1·7	31·2	
9·2		2·7	34·4	
10·0		22·7	36·8	
10·4		26·5	57·4	
9·4		32·7	0·0	9·0 G
8·2		35·7	59·8	8·0 G—
10·6		47·2	1·2	
10·6		49·2	1·4	
10·6		55·7	20·8	
9·0		55·7	18·0	
10·6	3	33·7	11·0	
10·6		39·7	10·9	
9·9		50·2	30·1	
9·4	4	6·2	26·9	
10·6		7·7	46·4	
9·4		25·7	30·6	
7·6		35·7	5·9	7·2 Gam
10·0		58·7	0·8	
10·6	5	3·2	3·0	
10·6		9·7	2·6	
10·6		13·2	5·8	
9·6		32·7	8·6	9·5 G—
10·6		40·7	2·7	
9·8		43·7	42·0	
9·2		45·7	7·8	
9·8		56·7	13·4	
9·2	6	9·7	51·0	
10·0		25·2	51·0	
	+ 1	31·2	+ 6·0	

6481—6540.				
	21h.		—31°	
mag.	m	s	′	
8·6	6	59·7	16·0	≡
8·4	7	21·2	41·8	8·2 G
10·2		23·7	41·4	
9·6		26·4	6·0	
9·2		27·9	29·0	9·0 G
8·2		29·9	29·9	7·5 GM≡m
9·4		43·9	41·8	
10·6		55·9	35·2	
9·8	8	32·7	2·7	
9·9		36·4	27·9	
9·8		49·9	40·3	
10·0	9	0·4	25·1	
8·8		25·9	33·7	8·0 GM—m
10·2		27·4	53·0	
10·0		35·9	29·7	
10·6		41·9	54·5	
7·8		55·4	16·0	7·0 GStπ
9·4		57·9	34·7	
8·8	10	31·9	19·9	9·5 G
9·6	11	13·4	45·9	
9·9		46·9	37·8	
8·6		48·4	42·1	8·2
10·6		56·9	30·8	
9·9	12	5·7	0·3	9·5
10·6		5·9	7·6	
9·9		23·4	52·9	
10·4		25·9	59·9	
8·0		45·9	22·1	8·0 —
8·8		52·1	59·5	
8·2	13	22·9	28·9	7·5 GM—m
9·6		22·9	53·0	
9·0		25·9	26·0	7·5 G=
8·4		28·4	39·2	8·0 G—
10·0	14	13·4	27·9	
9·9		34·0	2·3	
10·6	15	6·4	23·9	
9·8		7·4	6·6	
10·6		29·7	12·7	
8·0		34·7	20·7	8·0 GM≡m
10·6	16	4·2	35·6	
10·4		15·2	24·6	
10·6		22·9	7·7	
9·6		26·7	43·3	
9·8		32·7	16·9	
10·0		35·2	33·0	
8·4	17	14·2	38·1	8·5 Mm
10·6		58·7	42·3	
9·9	18	6·2	17·8	
9·6		22·2	50·5	
9·0		26·2	43·0	
10·6		41·2	49·2	
9·8		52·2	15·6	
10·2		59·2	32·5	
8·8	19	2·2	43·6	
8·8		3·2	0·0	9·2 G
8·6		14·2	1·7	8·0 G≡
9·0		26·7	46·1	
10·6		38·7	49·2	
10·6		42·2	23·1	
9·6	20	1·2	51·0	
	+ 1	30·4	+ 6·2	

6541—6600.				
	21h.		—31°	
mag.	m	s	′	
8·6	20	2·2	23·1	7·5 GM=m
9·8		2·7	3·0	
10·0		3·2	24·5	
9·4	21	15·2	0·4	9·5 G
10·6		19·2	43·5	
10·2		32·2	17·7	
7·2		35·2	46·8	6·5 GSπβ
8·4	22	1·2	10·4	8·5 Ga
10·4		3·7	5·5	
9·4		6·2	7·8	9·5
10·6		10·2	7·8	
9·5		11·7	54·0	
10·6		12·2	11·0	
9·9		14·5	55·1	
9·6		26·2	12·6	
10·0		33·7	4·2	
9·9		39·2	42·6	
10·0		45·2	35·2	
10·2	23	4·2	37·4	
9·8		34·4	52·6	
9·9		35·4	45·7	
9·4		45·4	11·5	9·5 —
9·4	24	6·4	21·6	—
9·0		51·9	54·4	
9·6	26	11·4	1·9	
10·0		14·4	1·9	
9·6	27	4·9	45·2	
10·0		28·4	52·0	
9·4		36·9	14·0	
10·0		37·9	23·9	
9·4		55·9	4·5	
9·9	28	31·4	7·8	9·3 G—m
8·5		51·4	14·0	9·0 G=
8·2	29	22·4	16·8	8·5 GM≡m
8·5		43·4	7·0	8·5 Ga
8·8	30	1·4	19·2	8·5 M—m
10·0		33·4	43·7	
10·0	31	40·9	6·2	
9·2	32	51·5	11·8	
9·9		58·5	8·9	
8·9	33	25·5	36·1	9·0
8·2		26·0	14·3	9·0 —
7·9	34	36·0	49·8	8·5 GM—m
8·5	35	13·0	36·6	9·0
10·0		21·5	32·6	
9·9		36·0	11·7	
8·0	36	8·0	49·1	7·8 GMm
9·9	37	8·0	11·9	
9·4		23·5	41·9	
10·0	38	36·0	30·0	
9·4		37·0	8·9	
9·7	39	27·0	26·2	
9·9		41·0	55·2	
10·0		46·5	43·8	
9·9		53·0	16·5	
5·5	40	23·5	28·4	5·8 GSπβ
10·0		58·8	10·9	
10·0	41	6·3	15·1	
10·0		7·3	1·1	
9·2	44	10·8	5·7	
	+ 1	29·4	+ 6·6	

6601—6360.

mag.	21h.–22h. m	s	—31° ′	
10.0	47	46.5	17.9	9.5
7.5	48	37.5	11.8	6.5 GS=
8.2		43.0	30.8	8.5 G–
10.0		44.0	7.7	
9.9	49	6.0	48.5	
7.8		20.3	58.8	8.2 G–
10.0	51	43.0	42.2	
10.0	52	4.3	59.0	
10.0		26.0	13.7	
9.6	53	38.0	6.0	
10.0	54	38.5	54.8	
9.3	55	27.0	18.6	9.0 GMm
10.0	56	48.5	40.4	
10.0	57	22.0	42.4	
8.6		26.0	26.2	–
9.8		34.5	28.8	
8.0	58	22.0	18.8	8.5 –
8.6		39.3	57.5	9.5
10.0	59	30.0	14.0	
9.2		32.0	33.8	
8.0		33.5	8.3	9.0 G
8.7		47.0	32.3	8.0 Gm
9.4	0	2.1	2.5	
8.4		11.7	2.3	9.5
9.4		13.0	9.1	9.0
9.4		56.1	24.5	
10.0	2	46.6	44.3	
10.0	3	8.6	41.3	
8.6	6	34.1	28.2	9.0
8.6		56.1	5.7	8.8 –
8.6	7	28.1	17.9	
9.4	9	7.6	1.9	9.5
10.0		36.5	38.5	
7.9		37.5	6.7	8.3 G–
9.2		53.1	46.9	
10.0	10	16.5	40.8	
8.7		46.6	46.4	9.0 –
9.0	11	26.8	16.4	9.0
8.0		29.5	17.7	9.0
9.4		32.5	13.7	9.2
9.4		48.0	29.2	
9.5		59.0	20.6	9.5
9.0	12	11.0	15.2	
9.2	13	21.8	1.4	
9.2		29.5	24.0	
10.3	14	33.0	2.0	
9.6		46.0	14.5	
9.2	15	3.5	45.4	9.5 G–
10.0		17.0	20.8	
9.8		35.0	7.0	
9.5		40.0	11.7	
10.0	16	9.0	53.6	
10.3		28.0	33.9	
10.3	17	42.0	13.3	
8.7		54.0	21.0	
9.8	19	50.5	0.7	
9.6		58.0	17.0	
9.8	20	20.5	29.2	
9.5		41.5	46.1	
9.6		45.0	15.0	
25pr.	+1	26.5	+7.4	

6661—6720.

mag.	22h. m	s	—31° ′	
9.2	20	46.0	14.1	
8.7	21	3.5	42.8	
9.6		14.0	45.4	
9.5		18.5	41.7	
9.0		22.5	51.3	
9.0		42.0	51.4	
9.0		52.0	17.3	
9.8		54.5	55.1	
9.5		56.5	20.1	
9.6	22	11.5	42.7	
9.6		12.0	56.8	
9.0		45.5	39.1	–
10.0		52.0	39.5	
10.2		57.5	31.1	
10.2	23	5.5	41.2	
8.0		9.0	4.7	8.2 GW–
9.1		41.5	6.9	
9.4		48.0	38.3	
7.4		56.5	39.8	8.0 GS=
8.4	25	1.0	48.6	9.0 G=
9.6		26.5	53.2	
10.3		41.0	2.6	
9.4	26	18.0	3.7	
10.2		42.0	16.0	
10.3	27	7.0	10.4	
10.0	28	15.5	16.2	
9.8		27.0	23.1	
10.0	30	26.7	2.2	
9.4		34.0	36.7	
10.3		43.7	15.3	
9.8		58.2	24.2	
9.1	32	11.7	8.3	10.0
9.4		51.2	5.9	10.0
10.0		53.7	14.1	
7.6	33	23.7	18.1	5.5 GStπ
9.0	35	21.7	20.1	9.5
8.8		26.5	18.2	8.5 –
9.2	36	26.0	8.4	9.0
8.2	37	29.0	46.9	9.0 G=
8.8	38	35.0	7.0	9.5
9.2	39	31.0	10.0	
9.8	40	8.0	26.1	
9.8		45.0	58.0	
9.7	42	4.5	31.0	
9.8		9.0	50.6	
7.6		20.0	51.8	7.8 G=
9.3		24.0	5.6	9.5
10.0	43	51.0	52.6	
9.4	46	34.0	33.2	9.5 –
9.4		40.0	57.1	
8.8	47	13.5	34.6	8.5 =
8.4		17.5	13.3	8.0 G
9.2	48	12.5	30.0	
9.6	51	49.5	18.1	
9.4	52	3.5	7.8	
8.8		29.0	22.0	
8.8		41.0	37.1	–
8.8		53.5	47.8	7.5 G–
8.4	53	22.0	42.8	9.0
8.4		24.5	46.8	9.0 –
	+1	24.6	+7.7	

6721—6780.

mag.	22h.–23h. m	s	—31° ′	
7.6	56	19.9	48.8	8.0 G–
7.2		54.4	7.1	6.8 GSa
9.7	57	6.2	49.6	
8.8		18.4	6.4	8.2 =
9.8	58	7.4	44.0	
8.8		38.6	29.0	–
10.6		53.9	52.8	
10.6	59	3.9	30.7	
9.6		13.6	1.8	
8.6		51.9	17.2	8.0 G–
8.7	0	10.9	6.2	–
11.4		16.4	29.8	
10.8		40.9	14.9	
9.4		53.9	38.9	
10.2		53.9	14.8	
10.4	1	1.1	2.3	
9.0		3.9	4.6	
10.0		9.9	53.8	
10.4		23.9	24.6	
8.3		25.4	32.9	–
9.6	2	52.4	35.0	–
11.4		55.9	16.1	
10.2	4	29.9	4.1	
10.0	5	6.4	11.0	
10.8		9.4	53.3	
10.6		11.9	17.7	
10.4		12.9	42.3	
9.6		47.4	55.6	
11.4		52.9	22.8	
9.4	6	23.8	7.5	–
9.8	7	46.3	21.0	
9.8		53.3	49.0	–
10.2	11	0.8	45.3	
10.8		16.8	23.4	
10.8		26.8	42.0	
7.9	12	11.3	14.0	6.5 GS=
10.6	13	22.3	54.6	
11.2		30.7	59.9	
11.4	14	11.8	6.1	
10.0		25.8	23.6	
10.2		31.8	55.2	
8.5		36.3	15.7	8.0 G=
9.4		36.8	9.9	
11.4		41.6	12.5	
9.4	15	15.8	38.8	
10.2		32.8	43.2	
11.2	16	14.3	54.9	
10.0		18.3	53.5	
8.5		21.8	17.0	8.5 G–
8.8		22.3	2.5	9.5 –
8.8		24.8	6.3	9.0
10.6		24.8	4.9	
9.6		33.8	48.8	
11.2		50.8	34.9	
10.4		51.8	11.6	
8.5	17	2.3	47.8	7.0 GS–
10.0		30.8	40.6	
10.4		32.8	4.6	
11.4		33.6	55.5	
10.2		46.8	32.4	
	+1	21.5	+8.1	

6781—6840.

mag.	23h. m	s	—31° ′	
10.2	18	3.3	31.9	
10.2		41.8	0.5	
10.8	19	25.1	58.6	
10.4	20	27.3	47.0	
8.8		57.9	58.0	
10.8	21	25.7	0.5	
8.5		26.7	31.4	≡
8.8	22	40.8	26.0	
10.8	23	3.7	4.1	
10.8		14.2	21.0	
9.8		39.2	23.0	
10.8		59.2	14.6	
8.1	24	42.2	47.0	
10.8	26	6.7	37.0	
9.8		17.2	54.6	
10.4		31.2	1.9	
10.4		32.2	44.1	
7.8		47.5	58.8	7.0 GS≥
10.0	27	53.2	25.7	
9.8	28	19.6	1.1	
10.0	29	5.2	47.0	
7.6		24.2	20.1	8.0 GS=
10.2	30	5.7	17.1	
9.0		6.7	56.5	
10.0		57.2	10.1	
10.0	31	17.7	0.9	
8.8		25.7	14.9	–
10.8		43.2	45.7	
8.8		59.7	19.6	
10.0	32	23.2	39.9	
9.0		44.2	24.6	
10.0	33	29.2	0.4	
9.8		37.7	29.4	
10.6		43.9	23.5	
9.8	35	6.0	31.8	
10.6		43.5	7.9	
9.4	36	4.5	48.6	
8.4		12.5	55.4	8.5 G–
9.8		13.0	19.0	
10.6		17.5	55.8	G
9.3		23.9	2.2	
10.8		31.0	36.6	
10.0		32.5	1.5	
9.6		32.5	42.6	
10.8		37.0	21.0	
9.2		55.5	38.6	
9.4	37	14.0	3.9	9.5 –
10.0		38.0	20.0	
9.4	38	47.5	55.6	
10.8		47.5	41.9	
8.5		48.5	13.5	
10.0		53.0	31.1	
10.4		55.0	20.0	
8.8	39	1.5	12.5	–
10.8	40	6.0	12.0	
10.8		25.5	40.3	
8.5		43.5	7.8	9.5 –
10.2		56.5	37.3	
10.8	41	12.5	31.7	
10.8		27.5	52.0	
	+1	19.2	+8.3	

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6841—6855.

mag.	23h. m s	—31° ′	
10·8	42 16·0	2·3	
9·8	32·5	15·8	
10·4	40·5	17·3	
9·8	51·5	21·0	
10·0	43 16·0	48·6	
10·8	41·0	15·5	
10·3	44 46·0	30·7	
10·0	45 9·4	7·3	
10·8	19·4	22·2	
8·8	36·5	46·2	8·0
9·3	46 12·5	40·6	9·0
9·4	32·2	7·9	
9·4	32·2	7·3	
10·4	42·5	22·7	
7·6	47 29·9	3·1	7·7 GSa
25pr.	+1 18·1	+8·3	

6856—6869.

mag.	23h. m s	—31° ′	
10·0	47 52·0	59·8	
8·6	54·3	42·1	8·0 G
9·4	55·8	43·1	G
10·3	48 5·3	40·1	
10·4	7·8	8·1	
10·3	8·3	22·5	
10·2	11·3	45·6	
10·3	12·3	27·8	
10·3	17·3	24·3	
9·8	25·8	48·1	
10·2	32·5	6·4	
10·4	49 13·3	47·5	
10·4	29·5	28·0	
10·4	50 3·3	1·6	
	+1 17·9	+8·3	

6870—6883.

mag.	23h. m s	—31° ′	
10·0	50 4·8	5·4	
10·4	13·5	39·0	
10·3	51 7·3	4·9	
8·6	23·8	8·2	9·0 =
10·4	25·8	54·0	
10·4	52 7·3	13·5	
10·3	53 9·3	45·9	
9·8	19·3	26·4	
10·4	28·3	53·8	
9·8	46·8	2·6	
9·4	54 59·1	20·7	
9·0	55 15·1	23·1	8·5 G
8·0	39·1	22·7	8·5 G=
10·4	56 8·1	41·1	
	+1 17·4	+8·4	

6884—6897.

mag.	23h. m s	—31° ′	
9·8	56 40·1	48·3	
8·0	48·1	54·5	8·5
9·4	51·1	0·4	
9·6	57 4·6	1·3	
9·4	9·6	10·5	
7·4	13·1	47·3	8·0 –
10·3	36·0	1·2	
10·2	58 12·1	19·4	
8·7	13·1	51·9	–
9·8	25·3	59·7	
10·3	59 27·1	40·9	
8·2	31·1	3·5	7·8 Ga
8·6	33·6	1·5	9·0
10·4	55·6	42·2	
	+1 17·0	+8·4	

ZONE — 32°.

1—30.

mag.	0h. m s	—32° ′	
10·0	0 1·9	34·0	
8·6	57·9	44·9	8·5 –
9·4	1 11·4	57·7	
9·4	32·9	13·0	
10·4	33·9	20·0	
10·4	38·8	20·1	
10·2	39·4	20·4	
10·3	52·9	55·2	
10·4	2 43·4	0·7	
9·4	44·7	1·0	
9·2	49·9	10·4	8·5
10·3	3 5·9	15·4	
9·0	7·4	12·2	9·0
9·4	17·9	46·5	8·5
9·0	18·9	30·8	
10·0	46·4	49·0	
9·6	55·9	51·8	
9·6	4 38·6	45·0	9·5 G
10·3	5 7·1	39·2	
10·2	8·6	19·9	
9·8	17·1	49·3	
10·2	54·1	3·9	
9·4	6 1·1	9·9	
10·2	28·1	49·0	
8·6	29·1	35·6	9·0 G–
10·2	29·1	9·2	
10·5	34·1	4·9	
10·5	7 34·1	30·0	
7·8	8 34·1	50·8	7·7 GS
9·2	9 1·6	10·6	
25pr.	+1 16·4	+8·4	

31—60.

mag.	0h. m s	—32° ′	
8·4	9 3·1	44·4	7·8 GW
9·8	36·7	58·8	
6·9	49·6	8·6	6·0 GStπ
10·3	11 11·6	0·9	
9·4	13·6	6·0	
10·3	24·1	21·0	
8·4	12 21·6	23·7	9·0
10·2	52·6	31·1	
10·2	13 9·6	17·4	
8·4	49·6	30·3	9·0 G
8·4	16 30·1	23·9	8·0 G–
8·2	18 53·8	32·4	8·5
8·9	19 57·3	21·7	9·0
7·1	21 15·8	31·2	7·5 GS
9·4	16·3	43·3	
9·0	22·8	36·4	9·0
8·6	24·8	39·0	9·0
10·2	50·8	43·3	
8·2	22 52·8	18·9	
7·0	23 36·8	48·4	6·5 GS
8·2	42·3	57·9	7·8 G
8·7	24 49·8	19·4	
10·2	26 0·8	34·2	
8·0	15·8	44·8	8·0 G
9·4	57·3	42·8	9·0
8·4	27 55·5	58·6	8·0 GS
10·0	28 35·8	26·1	
9·0	29 51·8	5·6	
8·4	52·8	19·3	8·5 G
10·2	30 29·8	34·9	
	+1 14·9	+8·3	

61—90.

mag.	0h. m s	—32° ′	
9·3	30 55·8	50·4	
8·8	55·8	23·1	
8·2	32 12·3	43·2	8·5 GW
10·2	33 42·8	19·6	
10·0	34 11·8	1·6	
8·8	22·1	57·5	
10·0	35 15·9	0·0	
10·6	40·9	45·7	
8·5	36 14·1	36·1	9·0
10·6	24·1	33·5	
9·8	36·6	56·2	
10·4	37 2·1	7·9	
10·6	38 9·6	54·7	
7·8	40·1	4·5	7·8 GS–
9·2	46·1	57·3	
9·6	39 28·1	43·3	
9·0	40 5·1	41·6	
9·4	9·6	21·4	
10·2	22·1	17·9	
10·0	32·6	48·0	
9·0	43·1	55·7	8·5
8·0	41 36·8	2·2	7·2 GS–
9·8	42 13·1	16·2	
8·7	20·1	17·9	9·0
10·2	43 16·1	49·1	
8·9	35·6	31·8	9·0
10·6	44 10·1	0·8	
9·8	21·1	28·6	
10·6	36·1	40·1	
10·4	45 37·1	18·3	
	+1 13·3	+8·2	

91—120.

mag.	0h.–1h. m s	—32° ′	
10·6	45 40·1	26·9	
8·8	46 6·5	50·6	9·2
10·4	26·0	47·8	
9·4	29·5	18·3	
9·6	47 46·5	25·7	
8·8	53·5	54·9	9·0
9·0	48 32·5	19·2	9·0 G
9·6	40·5	39·9	
9·4	50 58·5	33·1	8·8 G
10·4	52 31·5	31·0	
9·8	38·2	59·9	
8·8	53 28·0	38·4	
8·2	44·5	0·8	7·5 G–
10·6	54 56·5	54·0	
9·4	55 23·5	32·3	
8·4	56 14·5	17·7	8·5 G
10·0	22·5	46·7	
5·6	28·5	13·5	5·8 GStτ
8·4	57 27·5	45·0	8·0 GS
8·8	53·7	27·5	9·0 G
11·0	58 35·4	16·1	
10·6	57·4	32·3	
9·4	59 2·2	34·2	
10·4	32·4	21·9	
8·2	47·9	37·2	9·0
7·9	0 5·4	31·3	8·5 G
9·0	1 39·4	19·9	9·0
9·8	43·4	27·5	
10·6	43·9	15·3	
10·6	2 5·1	2·2	
	+1 11·7	+8·1	

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121—180.

mag.	1h. m	s	—32° ′	
11.0	2	11.4	20.5	
10.8		25.4	52.9	
11.0		48.3	39.6	
7.8		48.4	49.7	8.0
10.4	3	4.9	43.7	
9.4		59.4	45.0	9.0
10.0	4	53.6	0.2	
9.8		55.4	34.4	
8.2	5	16.4	54.8	7.8 GSr
10.6	7	8.4	53.9	
10.5		16.4	52.7	
8.4		30.4	34.1	8.0 G
9.6		35.4	14.2	G
10.5	8	15.4	55.5	
8.2		37.6	0.3	8.8 G
9.0	9	41.4	16.4	
8.3	10	18.4	3.2	8.5 G
10.0		22.6	7.1	
10.8		41.1	12.7	
8.8		55.6	4.1	8.5 G
11.0	11	25.6	46.1	
9.4		57.6	41.4	
8.9	12	2.1	39.8	
11.0		42.1	58.0	
9.6	13	1.6	13.6	9.2 G
10.0		23.6	4.4	
9.7		26.6	42.6	
8.4	14	6.6	2.5	9.0
10.2		8.1	6.9	9.5
10.8		8.6	23.2	
10.2		11.6	24.2	
10.4		43.6	21.9	
10.4		44.6	13.9	
11.0	15	13.1	57.3	
8.8	16	30.6	4.7	8.3
8.9		38.6	57.3	9.0
9.8	17	13.1	9.3	
10.0		37.6	56.1	
11.0		57.9	59.1	
10.8	18	11.6	34.4	
7.0		23.1	27.7	7.0 GSct
11.0		40.5	28.3	
10.2		41.6	6.1	10.0
8.6		49.6	12.1	8.7
11.0	19	45.6	58.8	
10.5	20	1.9	2.2	
10.8		17.6	45.0	
10.8		51.6	25.9	
10.8	21	5.5	31.4	
9.8		8.6	38.9	
9.2 -		21.6	3.5	
7.5	22	34.3	8.7	7.5 GS
8.3	23	8.5	41.2	8.5 G
8.8		45.8	40.2	8.5 G
8.7	25	5.8	6.2	8.6 G
9.8		23.3	45.1	
9.4		39.3	32.1	
7.0	29	8.3	31.8	6.5 GSct
8.3		22.0	2.3	8.0 G
9.1		48.8	49.5	9.0 G
25pr.	+1	10.0	+7.9	

181—240.

mag.	1h.–2h. m	s	—32° ′	
9.8	30	9.8	48.1	
10.1		41.8	31.8	
7.8	31	6.8	56.1	7.0 GS
8.7	32	14.8	42.3	8.8 G
9.3		14.8	9.3	
9.2		51.8	53.1	9.0 G
10.0		53.8	13.1	
7.6		57.5	48.3	7.5 GS
9.3	33	41.0	42.7	
8.6	34	41.5	9.1	8.7 G
8.2		54.5	20.7	8.5 G
8.9	35	11.5	8.3	9.3
9.4		13.0	32.1	
8.9		17.0	24.7	
9.8		19.0	57.0	
8.4		45.5	26.2	8.5 G
8.8	36	11.0	47.2	9.5 G
8.1		25.5	43.3	8.5 G
6.5		30.4	57.5	5.7 GStπ
8.2	38	28.5	23.6	8.0 G
8.6		41.5	14.9	8.2 G
9.4		57.5	19.5	
7.4	39	22.0	0.9	8.2 G
8.6		38.5	31.0	9.0
9.3	41	15.0	43.0	
10.0	42	20.0	31.1	
10.0		36.0	16.2	
8.6 -	45	16.0	52.0	9.0 G
10.2	46	12.4	36.9	
7.3	51	2.3	45.0	6.5 GS–
9.6		36.8	31.2	9.5
8.6	52	43.8	36.0	–
8.2	53	12.3	52.8	9.0 G
9.2		14.3	49.9	9.0 G
10.2		22.4	53.2	
9.6		28.4	20.5	
9.9		57.4	22.2	
8.8	54	15.8	38.4	9.0
8.2		27.3	21.4	8.8 G
8.0		47.3	41.6	8.0 G
8.4		56.3	26.3	8.5 G–
10.2	55	54.4	32.7	
9.4	58	30.3	9.9	
10.0	59	26.3	47.0	
9.0		32.3	23.9	9.0
9.4	0	45.3	19.7	
9.4	1	17.3	30.8	
9.2		51.3	55.2	9.2
10.0	2	32.3	39.2	
8.8		39.8	38.4	
7.8	3	27.3	20.2	7.0 G=
8.5		43.3	24.2	7.5 G=
9.2	4	0.8	17.2	9.0 G
9.2		9.8	11.2	G
9.0		54.8	20.0	
8.0	5	26.8	39.0	8.0 =
8.0	6	33.8	52.6	7.8 G
8.2		33.8	55.1	8.8 G–
9.6	8	4.8	8.4	
9.9		33.0	58.1	
	+1	6.9	+7.4	

241—300.

mag.	2h. m	s	—32° ′	
9.4	8	44.3	8.0	
9.4		52.3	46.0	
9.8 -	9	49.3	41.8	
9.8	10	21.6	31.2	
10.2		57.0	22.0	
9.8	11	13.0	1.5	
9.4	14	13.0	55.9	9.0
8.7		21.5	42.5	9.0 G:
10.0	16	45.5	37.2	
9.8	17	14.0	34.0	
9.2		17.0	38.9	
8.6		27.5	54.3	9.0 G
10.0	18	8.0	17.3	
10.4		33.0	16.7	
8.8	20	14.0	21.7	8.0 G=
10.4		30.0	26.2	
8.7	21	24.0	6.1	8.5 G=
10.4		40.0	19.0	
9.2	23	20.0	1.7	
8.8		44.0	11.5	9.5
9.4		44.0	23.8	
9.6		47.5	20.7	
10.4	25	38.0	27.4	
8.7	26	12.5	36.0	8.0 G–
10.4		29.0	21.0	
10.0		47.5	27.6	
10.0	27	44.8	41.9	
8.3		55.8	16.1	8.0 G=
8.0	28	35.8	44.9	8.5 G
10.4		46.9	2.3	
7.4		50.8	4.4	8.0 G=
9.4	29	20.8	17.2	
10.2	30	23.3	54.8	
10.0		47.8	4.5	
8.0	31	16.3	23.7	9.0 G=
9.6		16.3	45.1	
10.4		26.8	39.0	
8.4	32	0.8	1.9	9.0
9.4		1.8	49.6	9.5
8.8		15.3	48.8	9.5
8.6 -	33	6.3	36.2	9.0 –
7.4	35	11.9	0.4	7.5 GS=t
10.4		59.9	13.9	
9.9	37	7.9	7.9	
9.6	38	32.9	50.5	
8.7	39	1.9	27.7	
10.4	40	26.9	24.9	
9.4		42.9	24.6	
9.9	41	18.9	53.0	
9.4		32.9	1.1	
10.2		41.4	49.5	
10.2		44.4	46.7	
10.0		58.9	23.7	
9.8	42	9.9	56.7	9.5 G
9.6		46.9	37.6	
8.0		46.9	48.6	8.8 G–
9.0		57.4	24.3	
10.2	43	15.9	12.7	
10.0		24.9	12.8	
10.2		30.9	10.3	
	+1	4.0	+6.7	

301—360.

mag.	2h.–3h. m	s	—32° ′	
9.0	43	38.9	5.1	9.0
5.8		52.4	55.8	4.2 GStπ
8.6	44	4.4	54.0	8.0 Gtπ
9.2		21.9	55.0	9.0
10.2		28.9	43.5	
10.4		48.4	26.5	
10.4		48.9	22.4	
9.9		54.4	4.7	
9.3	45	22.9	58.0	G
10.6		44.4	6.3	
9.2	46	28.9	55.0	9.5
10.6		31.9	29.0	
8.4	47	24.9	4.7	8.8 G=
9.6	48	14.9	22.4	
9.3		42.4	50.2	
10.6		47.4	27.3	
9.9		59.9	26.6	
9.6	49	14.9	29.9	
10.0		26.9	46.0	
9.9		33.9	10.9	
10.2	50	5.4	2.5	
10.2		51.4	57.9	
9.9	51	44.9	11.4	
10.2	52	42.9	17.1	
10.4	53	18.9	12.1	
10.2		54.9	28.4	
9.1	55	1.9	8.2	8.8 G–
10.4		10.9	31.2	
10.2	57	14.9	54.2	
9.0		20.4	5.2	9.2
9.9	58	11.3	52.2	9.5 G
9.9 -		26.2	30.6	
9.4	59	49.3	44.8	
10.2	0	4.5	55.7	
10.0	1	45.3	17.0	
8.2	2	5.3	49.8	8.0 GS=
10.2		35.5	3.5	
7.5		52.5	7.4	8.2 G=
9.0	4	21.5	50.8	9.0 G
8.6		52.5	16.2	9.2
8.6	6	2.5	33.5	8.3 G=
10.6		41.0	44.2	
8.6	7	14.0	10.5	8.6 G=
7.6		25.5	52.1	7.0 GS
9.6		37.5	9.2	
9.2		43.5	40.9	
10.0		48.0	2.3	
10.0	8	32.6	56.9	
10.0		34.6	26.5	
10.0	9	47.5	21.1	9.5
8.8	11	23.9	7.0	9.5
8.9		41.4	33.0	9.5
9.8		41.9	27.7	9.5
10.0	13	13.6	48.9	
8.4	14	21.9	1.0	8.5
10.4		28.4	39.2	
9.8	15	18.4	14.2	
9.2		42.9	9.1	
8.4	16	29.9	52.1	8.8
10.4		57.9	13.9	
	+1	1.8	+6.0	

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361—420.

mag.	3h. m	s	—32° ′	
8·9	18	44·3	30·5	
10·2		50·3	45·3	
9·8	20	41·3	46·7	
10·0		42·3	31·2	
9·2	21	4·3	6·1	9·0
10·4		28·3	51·3	
8·6		36·8	30·8	9·0 G—
9·2	22	40·6	40·6	9·0
10·2		49·9	2·8	
10·4	23	9·9	15·5	
10·0		42·9	26·1	
9·8		43·4	33·6	
8·6	24	15·4	6·2	8·8 =
9·4		18·9	58·3	
8·8		31·4	43·7	9·5 G
9·2	25	40·9	40·4	9·5 G—
10·4		43·9	24·2	
9·8		51·4	56·0	9·0 G
9·8	26	12·4	30·2	
9·8		14·4	46·1	9·5
7·6		32·9	6·0	7·8 G—
9·8		40·9	36·8	
7·7	27	12·9	43·8	8·5 —
9·6		39·9	45·8	
8·8	28	20·9	55·7	8·8 G
10·3		50·1	57·8	
8·6		57·9	11·6	9·2 G
7·4	29	32·4	17·6	7·0 GSct
10·4	31	19·9	18·4	
10·4		57·9	6·2	
10·2	32	4·9	18·2	
8·6		27·9	3·5	9·0 —
9·0	33	36·4	46·9	9·5
10·3		38·9	25·6	
9·4		55·9	57·6	
9·6	34	32·4	18·9	
10·3		32·9	50·3	
9·2		35·9	24·2	9·0
9·8	35	11·4	15·7	
9·6		46·4	45·0	
7·9		56·9	16·2	8·2 GS=t
9·2		58·4	30·3	9·2
9·8		59·6	45·5	
10·4	36	4·9	29·9	
10·0		44·4	16·9	
10·3		51·9	26·6	
9·6	37	6·3	1·0	
8·6		6·3	0·5	8·5 G
8·6		10·9	52·9	8·5 G
4·1		16·4	20·2	5·0 GStπ
10·2		16·4	37·6	
8·6		21·9	30·5	9·0 —
10·3		51·9	41·4	
8·2	38	12·9	55·7	7·8 GS
8·2	40	50·4	52·3	8·2 GSt
8·6	41	2·6	22·5	
8·6		43·9	36·0	8·5 G—
9·6		51·4	40·9	10·0
9·8	42	1·9	8·0	
10·3		5·4	56·1	
25pr.	+0	59·8	+5·0	

421—480.

mag.	3h—4h. m	s	—32° ′	
9·0	42	16·4	21·5	
10·0		57·9	31·6	
10·2	43	1·7	29·2	
7·6		35·2	9·8	8·2 GS=
9·8		35·7	51·0	
10·0		53·7	17·7	
10·2	44	57·2	8·2	
10·4	45	5·2	3·2	
8·0		21·5	39·8	7·5 GW
9·6		50·7	27·8	
8·4	46	15·8	1·9	8·0 G—
10·2		46·7	24·9	
9·7	48	25·8	52·8	
9·0		39·8	3·3	9·0
8·8	50	12·3	27·9	9·0
9·9		58·8	16·0	
9·6	51	7·8	18·3	
10·1		8·3	6·1	
7·7		33·3	3·6	8·2 G=
9·7		48·8	38·1	
9·0	52	7·3	5·7	9·5
8·9	53	3·8	23·9	9·2
9·3		44·8	34·1	
9·0		58·5	0·7	9·2
9·6	54	7·8	56·6	
9·9		50·8	16·7	
9·4	55	32·8	7·3	9·0
10·0		37·8	32·6	
9·4		43·8	42·1	
9·7	56	12·8	44·8	
8·6		14·8	56·4	9·0
8·9		17·8	25·3	
10·0		34·3	36·8	10·0 G
9·2		49·8	11·2	9·5 G
9·4	57	21·8	24·2	
9·3		41·8	28·9	
9·9	58	6·8	11·7	
8·6	59	8·3	7·2	9·0 —
9·6		23·3	25·5	
8·6		41·8	49·1	9·5 G
10·2		52·8	15·4	
8·6	0	39·8	9·1	
9·1	1	3·3	45·4	
8·8		55·3	47·6	9·5 G
8·4	2	10·9	4·3	8·7 =
9·6		18·9	9·1	
9·2		49·9	19·1	
9·4		50·9	50·0	
9·6	3	0·9	58·6	
10·2		40·7	2·4	
9·8		54·9	12·6	
9·8	7	27·9	30·9	
9·4		51·9	25·4	
7·8	9	8·3	21·5	7·5 GS—
9·4		11·5	10·8	9·0
10·2		13·6	14·4	
9·8		17·9	32·4	
9·4		27·3	40·6	
10·0		47·1	5·5	
9·8	10	10·6	53·1	9·5
	+0	58·6	+4·3	

481—540.

mag.	4h. m	s	—32° ′	
8·4	10	21·3	6·2	8·0 G—
9·4		23·3	33·4	
8·2	11	5·8	18·0	8·5 G—
8·6		18·0	2·4	8·0 G
8·5	12	21·8	57·5	9·5
9·3	13	11·8	59·4	
10·2		52·3	19·2	
10·2		55·3	33·5	
9·2	15	9·0	12·4	
10·4		16·5	9·9	
10·3	16	46·0	13·3	10·0
10·0		51·0	32·9	
8·9	17	5·0	29·0	
9·0		10·5	11·9	9·5
10·0		28·0	14·7	
9·8		44·5	22·7	9·5
9·5		45·5	21·1	9·5
9·6	18	2·0	24·1	
9·6		23·0	29·8	9·2 G
9·8		27·5	16·9	
7·2		30·0	26·6	7·0 GS—
9·8		54·0	17·3	
9·0	19	15·0	22·1	9·5
9·8		17·5	7·7	
8·5		21·5	18·3	9·0 G
8·9		22·5	23·7	9·0
8·9		35·5	19·4	9·5
10·4	20	55·0	9·0	
10·4	21	0·9	52·2	
9·5		3·0	34·2	9·2
9·6		26·0	26·0	
10·4		36·0	52·3	
10·2		44·5	13·3	
9·8	22	53·0	40·4	
7·2		54·0	41·2	7·2 GS—
10·4	23	2·5	13·8	
9·6		3·5	35·8	
10·1		8·0	42·3	
8·8		11·5	30·2	9·0
10·4		22·5	20·5	
7·9		50·5	44·6	8·2 GS
10·4	24	11·9	34·0	
9·8		20·5	12·0	
8·5		25·0	24·4	9·0 G
9·4		38·0	37·8	9·0
9·8		50·0	45·1	
10·4	25	21·0	51·2	
10·4		31·9	33·2	
8·9		44·4	36·2	8·8
10·2		50·9	43·5	
9·8		57·9	51·6	
10·4		59·4	22·3	
9·8	26	45·4	48·8	
7·8		45·9	47·2	7·5 G
9·0		47·9	40·3	9·0
10·4	27	15·9	53·0	
10·4		47·4	46·4	
9·0	28	2·9	48·9	
9·8		3·4	21·2	
8·4		27·9	19·3	9·0 G
	+0	57·5	+3·5	

541—600.

mag.	4h. m	s	—32° ′	
9·3	28	36·9	23·6	9·5
9·4	29	2·9	12·1	9·0
10·2		23·4	41·9	
9·5		26·4	15·3	
10·1		28·4	51·0	
8·7	31	51·9	3·6	8·2 G—
9·6		52·4	6·0	
9·0	32	0·9	49·2	9·0
10·1		5·4	5·5	
8·9		22·4	49·4	
9·5		32·9	23·0	
9·4		34·4	26·5	
9·2		35·4	30·6	
9·6		44·4	25·6	
10·2	33	20·9	38·4	
10·4		23·9	56·2	
10·4		25·9	40·1	
10·4	34	17·3	38·3	
10·0		17·3	21·7	
9·4		35·7	53·8	
10·0		46·7	48·0	
9·7		56·7	44·7	
9·4	35	24·2	16·8	9·0
10·3		41·2	12·7	
10·4		52·7	4·4	
10·4	36	4·2	29·9	
11·0		7·2	35·6	
8·7		15·2	28·1	8·5 G—
10·4		25·0	58·7	
9·1	37	1·7	49·7	
10·0		19·7	52·0	
10·8		23·2	54·7	
11·0		34·7	21·4	
8·6		56·2	42·6	9·0
10·8		57·2	38·8	
11·0	38	28·2	6·7	
9·4		36·7	1·3	
10·0		45·2	28·6	
8·2		56·7	29·5	8·0 G
9·8		58·2	21·2	
9·4	39	13·7	8·4	
10·4		32·5	52·1	
10·2		36·5	40·8	
10·0		52·0	2·7	
10·2		54·5	51·5	
11·0		57·5	32·1	
11·0	40	6·0	48·9	
9·1		28·5	15·5	9·0 G—
11·0		41·5	28·9	
9·8		45·5	22·4	
10·4		59·0	33·4	
11·0	41	25·0	29·3	10·0 G
8·8		52·0	39·7	
11·0		58·5	57·7	
9·6	42	1·5	19·5	
10·8		21·0	30·8	
11·0		30·5	31·7	
9·9		31·0	9·1	
11·0		35·0	21·9	
10·8		36·5	5·1	
	+0	56·9	+3·0	

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601—660.

mag.	4h. m	s	—32° ′	
9·1	42	42·5	7·7	
10·8		57·5	37·9	
11·0	43	2·3	36·8	
10·4		4·3	25·3	
9·6		8·5	43·5	
10·8		8·5	39·5	
10·2		14·5	23·3	
9·7		32·0	50·5	
10·6		51·0	14·5	
8·6		53·0	19·6	9·5
10·0	44	0·5	52·9	
10·6		12·0	14·4	
11·0		15·5	33·1	
10·6		17·3	0·8	
10·8		30·5	47·1	
8·8		41·0	7·4	9·5
9·4		43·5	9·1	10·0
10·6	45	17·5	33·7	
11·0		34·5	34·3	
10·8	46	2·0	30·1	
11·0		5·0	6·1	
11·0		18·5	11·5	
9·2		25·0	32·9	9·5
8·8		34·1	11·5	9·2
10·8		40·8	57·3	
10·4		42·1	45·3	
9·1	47	1·6	26·9	9·0
9·1		58·6	35·2	
10·8	48	23·6	29·5	
9·8		26·1	38·3	
10·4		46·1	51·5	
10·8		55·1	5·4	
9·1		56·1	39·5	10·0
10·8	49	3·1	7·1	
8·8		19·1	12·4	9·0
10·2		21·1	7·9	
10·6		53·6	44·6	
9·6		58·6	43·8	
9·6	50	8·1	26·8	
8·8	51	49·6	45·9	9·0
10·8		52·1	53·5	
10·3		55·1	30·1	
9·1	52	22·1	53·9	
9·0		32·1	4·9	
9·6		34·6	41·8	
10·6		51·6	28·4	
10·8	53	10·6	23·8	
9·6		22·1	18·5	
9·8		27·1	41·9	
10·0		51·5	59·8	
9·7		52·1	18·2	
10·8		54·1	0·3	
9·7		54·1	28·9	
10·4	54	4·6	47·1	
10·2		6·6	41·7	
9·7		14·6	45·1	
11·0		25·1	48·5	
7·8		36·6	25·7	7·0 GS–
9·0		37·3	59·7	
9·0	55	4·1	15·9	9·5 G
25pr.	+0	56·5	+2·5	

661—720.

mag.	4h.–5h. m	s	—32° ′	
9·7	55	5·6	28·8	
10·8		12·2	29·9	
8·8		21·2	35·1	9·5
10·8		30·2	49·8	
10·8		36·7	53·3	
9·4		37·7	32·0	10·0
7·8		41·0	0·1	8·0 G–
10·8		49·2	36·3	
11·0	56	2·2	12·5	
10·3		7·2	3·7	
10·0		9·7	27·0	
10·8		18·7	22·8	
9·4		42·2	31·5	
10·0		53·7	13·4	
11·0	57	0·2	44·4	
10·0		15·2	46·2	
8·4		27·7	19·6	9·0
9·7		29·7	26·4	
10·3		31·7	59·9	
9·8		32·0	6·2	
10·4		36·8	28·6	
10·6		39·8	48·0	
11·0	58	2·7	1·2	
9·7		5·2	34·0	
10·8		9·7	9·6	
8·6		12·0	12·8	8·9
10·2		16·7	26·5	
9·8		19·2	46·4	
10·3		21·8	47·9	
9·4		22·8	4·2	
11·0		28·7	14·4	
10·5		38·1	31·7	
11·0		57·8	9·9	
10·1	59	2·4	47·2	
9·3		2·4	9·3	9·0 G
9·3		15·9	6·4	
10·4		21·4	23·8	
9·5		48·9	15·7	9·0
11·0		49·9	27·6	
9·6		52·9	53·5	
9·5	0	38·4	52·5	
11·0		52·4	40·5	
10·0	1	2·4	11·8	
8·8		3·9	46·0	8·8 G
9·7		4·9	21·0	
9·3		16·4	33·3	
10·1		33·9	42·5	
9·6		37·4	20·3	
8·6		52·4	53·6	9·0 G
9·8	2	43·4	4·4	
9·0		46·9	9·7	
10·5		59·4	19·4	
9·6	3	6·4	19·0	
9·8		8·4	50·6	
9·8		12·4	34·7	
10·4		17·4	47·7	
10·8		30·4	12·6	
11·0		32·4	24·2	
9·3		52·9	15·6	9·5 G
9·2	4	2·4	25·7	
	+0	56·3	+2·2	

721—780.

mag.	5h. m	s	—32° ′	
8·8	4	4·4	13·3	9·5 G
10·1		20·9	25·1	
8·8		30·4	29·7	
10·8		37·4	25·3	
9·7		49·9	12·1	
8·4	5	46·4	12·9	7·8 G
10·8		54·4	20·3	
9·5	6	3·4	16·3	
8·2		5·9	59·8	8·0 G
8·6		6·4	23·4	9·2
9·0		20·4	46·1	8·5
10·1		25·9	30·3	
8·6		40·4	3·8	8·0
8·2	7	3·4	29·2	9·2
10·4		19·4	28·1	
10·1		26·4	47·3	
10·0		42·9	21·3	
9·8	8	6·9	7·6	
10·6		16·9	27·5	
7·4		50·9	3·2	7·2 GS
7·0		56·4	12·9	8·0 GS
10·1		56·4	34·8	
10·4	9	19·4	10·5	
10·6		22·4	14·7	
11·0		23·4	43·7	
8·6		39·9	56·5	9·0
10·2	10	11·4	6·3	
10·2		35·4	50·9	
10·4		37·9	56·2	
11·0		40·9	8·1	
9·8		53·4	36·6	
9·5	11	26·1	58·5	
9·5		28·6	30·6	
7·2		44·6	39·1	7·5 GSt
10·6	12	12·6	47·3	
10·8		16·6	54·9	
8·6		33·6	28·5	
9·8		41·6	39·6	
10·8		44·6	28·6	
10·8		56·6	22·0	
10·5		59·6	13·9	
10·8	13	3·6	53·4	
9·0		3·6	57·2	
9·0		6·6	52·9	
9·5		27·1	34·5	9·0
9·6		44·6	10·8	
9·2	14	0·6	27·2	
9·0		5·6	7·2	
10·8		21·1	50·3	
10·0		21·1	5·4	
9·6		26·1	48·0	
9·3		48·6	31·9	G
8·4		54·6	14·2	
9·6	15	3·6	42·2	
9·8		6·9	2·9	
11·0		27·6	13·2	
9·4		40·6	49·7	
8·2		43·1	44·8	8·7 G
11·0		45·6	21·8	
9·6	16	14·6	2·9	9·0 G
	+0	56·0	+1·8	

781—840.

mag.	5h. m	s	—32° ′	
10·1	16	25·6	38·0	
9·5		39·1	35·3	
9·7	17	2·6	47·3	
9·8		14·1	54·3	
9·5		16·6	37·3	10·0
9·0		18·1	20·3	
10·0		26·8	2·0	
10·6		27·8	15·1	
8·1		31·8	39·6	8·0 G
9·5		33·8	25·3	
9·5		42·8	27·7	
10·8		58·8	27·0	
8·2	18	18·8	47·3	9·5
10·4		23·8	9·9	
10·6		36·8	19·7	
9·5		36·8	5·7	
9·4		57·8	3·1	
9·0	19	0·3	34·1	
8·6		11·3	16·1	8·0 G
8·8		20·8	9·1	8·8
9·3	20	24·5	58·1	
9·5		33·8	16·1	
10·4		47·8	42·3	
9·5		53·3	40·0	
9·6		58·3	29·7	
10·1	21	6·8	46·1	
10·1		9·8	9·0	
7·8		20·8	19·1	7·0 GS
7·8		33·8	36·7	7·7 GS
9·3		37·2	56·2	
8·6		42·2	32·5	9·0
11·0	22	16·2	9·2	
11·0		16·3	16·9	
11·0		19·3	34·1	
10·5		40·5	57·7	
10·4		51·1	46·6	
10·5	23	0·2	17·2	
9·2		5·1	10·0	
7·7		12·1	31·2	7·0 GSt
10·2		14·1	39·5	
9·4		22·6	6·3	
7·8		36·1	55·5	7·9 G
9·8		39·0	0·8	
9·8		43·1	55·7	
10·2		43·1	59·2	
9·2		43·6	8·9	
9·8	24	9·3	1·0	
10·4		10·1	56·1	
10·0		32·6	16·3	
9·5		42·6	56·3	
8·3	25	24·1	33·7	8·3
9·5		33·2	40·1	
9·0		45·7	20·5	9·5
10·2		49·7	42·5	
10·2	26	6·2	22·4	
8·0		13·2	12·4	8·2 G
10·2		14·7	33·7	
10·5		21·7	29·9	
9·0		33·2	53·0	8·8
10·0		38·2	54·7	
	+0	55·8	+1·4	

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841—900.

mag.	5h. m	s	—32° ′	
10·5	26	45·2	4·5	
10·2	27	9·7	46·8	
9·0		37·2	36·5	
10·2	28	3·7	46·0	
9·5		18·2	25·5	
10·4		32·2	5·0	
10·2		54·2	56·2	
8·6		59·7	42·5	8·5
9·0	29	0·7	36·4	9·5
10·4		3·2	41·0	
10·2		22·2	3·9	
9·4		23·2	21·6	
9·2		40·7	35·0	
10·2		48·7	41·4	
10·2	30	2·7	10·9	
8·6		42·7	59·0	8·5
9·0		53·2	22·5	
9·0	31	0·2	29·0	
8·9		5·2	35·9	
10·4		6·2	39·0	
9·4		12·7	53·2	
10·0		26·7	14·3	
10·2		30·2	18·2	
9·0		56·2	44·8	9·2
9·4	32	11·7	28·3	
10·0		16·2	21·4	
9·5		23·2	48·5	
9·0		36·2	5·0	
9·0	33	30·7	57·6	
10·2		36·7	47·5	
10·0		59·2	37·5	
9·0	34	20·2	9·5	9·5
10·2		26·2	30·9	
10·0		29·7	27·9	
10·2		52·2	44·6	
8·6		54·2	9·2	9·0
9·4	35	1·7	48·4	
9·8		6·2	52·5	
6·4		12·2	41·7	6·0 GStπ
9·4		41·2	56·7	
9·4		49·2	15·1	
9·4		57·7	39·5	
8·6	36	14·2	3·8	
10·0		17·2	34·7	
9·8		37·2	46·3	
9·4		44·2	29·3	
9·5		45·7	14·0	
9·4	37	9·7	49·5	
9·0		12·7	3·0	
10·2		27·7	34·1	
8·3	38	10·7	57·7	8·8
8·8		16·3	3·3	8·5 G
9·0		17·2	22·0	
9·0		32·7	6·1	
9·4		41·7	46·5	
9·6	39	17·2	16·5	
9·4		18·2	54·7	
9·5		30·2	40·9	
10·4		31·7	5·7	
10·2		48·6	58·2	
25pr.	+0	55·7	+0·9	

901—960.

mag.	5h m	s	—32° ′	
9·0	39	52·7	14·3	9·0
8·8	40	5·7	52·2	8·6
9·2		18·7	23·0	
8·4		37·2	39·9	8·5 G
10·2		43·7	29·2	
9·8		46·2	32·7	
10·2	41	2·7	39·3	
4·6		21·6	21·2	5·2 GStπ
9·4		37·1	18·7	
10·2		55·6	37·4	
9·2	42	15·6	2·4	
9·2		22·1	2·9	9·5
9·8		31·1	31·7	
10·5		44·6	59·4	
10·0		49·6	42·0	
9·8		51·6	32·5	
9·0		52·6	45·0	
10·4	43	9·6	29·5	
9·4		32·1	43·8	
9·4		59·1	8·8	
10·0	44	2·6	48·6	
9·5		9·1	12·2	
8·0		13·1	27·9	7·2 G
9·4		15·1	28·9	10·0
8·7		26·6	4·4	8·3
8·1		30·1	32·5	6·8 G
10·2		40·1	10·9	
10·0		43·6	50·0	
9·0		59·6	31·5	9·5
10·2	45	6·3	28·8	
9·8		12·8	52·2	
9·8		14·1	29·3	
9·8		22·6	30·9	
7·0		32·6	50·7	7·2 GS
10·2		44·6	16·5	
10·0		52·4	36·0	
10·2		57·7	51·4	
10·4	46	13·1	2·6	
8·4		38·9	19·9	8·5
9·4		42·3	5·6	
9·5	47	11·4	56·8	
9·2		25·3	8·0	
9·0		37·8	14·0	8·5
9·9		50·3	34·8	
8·2	48	12·3	22·1	8·0
10·4		14·3	39·5	
9·9		24·3	27·0	
10·4		27·1	16·6	
10·2		34·1	14·4	
7·8		38·3	50·0	8·0 G
9·6		43·8	18·2	
10·4		46·3	24·3	
10·0		54·8	17·4	
10·2	49	34·1	26·2	
10·4		38·3	7·3	
10·0		48·3	41·1	
9·0	50	10·3	55·2	
9·9		17·3	21·1	
10·4		20·8	48·4	
10·0		36·3	32·3	
	+0	55·5	+0·5	

961—1020.

mag.	5h.–6h. m	s	—32° ′	
9·0	50	45·3	35·7	
9·2		49·8	16·2	
9·5	51	3·0	2·8	
9·5		5·3	12·7	
10·2		17·1	59·9	
10·4		53·8	52·7	
9·0	52	46·3	9·5	
9·0		49·8	35·1	
10·0		51·3	22·4	
10·0		51·3	16·4	
10·4	53	7·6	35·6	
9·9		10·6	37·6	
9·0		22·1	50·8	9·5
10·4		22·1	3·4	
9·2		25·6	0·4	
9·7		35·6	24·1	
9·9		37·6	30·8	
10·0		37·6	3·5	
9·4		53·1	55·7	
8·8		56·6	47·4	
10·0		58·6	43·9	
10·0	54	21·2	38·1	
9·8		30·1	11·1	
9·6		31·1	49·2	
8·0		37·6	13·1	7·5 G
9·9		51·1	10·8	
9·5		53·1	13·2	
9·1	55	2·1	36·9	9·5
10·4		31·4	0·1	
10·4		45·1	35·0	
9·7		58·6	20·6	
9·2		59·1	4·7	8·5 G
10·4	56	0·1	17·4	
9·4		43·1	39·2	
10·4		53·6	36·1	
10·4		54·6	12·9	
9·4	57	13·1	34·4	
9·8		56·4	57·4	
8·6	58	1·4	0·9	8·5 G
9·7		28·6	48·6	
9·0		38·1	4·6	8·8 G
9·7		40·6	20·8	
10·4	59	2·1	27·9	
10·0		7·6	29·8	
9·2		7·6	11·2	
10·4		26·1	22·0	
9·4		30·1	52·1	9·5 G
5·3		42·1	10·2	6·0 GSg
9·4		42·6	37·0	
10·4		44·1	7·2	
9·1	0	18·6	50·0	9·0
8·8		27·4	59·3	8·5 G
7·8		34·6	43·3	8·0 G
9·9	1	1·6	7·4	
9·0		3·6	18·5	9·0
9·2		3·6	5·3	
10·4		6·7	22·5	
8·6		17·7	2·1	8·5 –
9·1		32·7	53·9	
9·0		39·7	31·2	G
	+0	55·5	+0·1	

1021—1080.

mag.	6h. m	s	—32° ′	
8·2	1	46·2	59·3	8·5 G
10·2	2	6·6	27·9	
8·6		30·7	30·0	8·0 G
10·0		42·7	34·9	
10·4		49·0	0·3	
8·8	3	21·7	55·6	8·5 G
9·7		25·7	7·5	
8·6		29·7	44·5	9·0
9·8	4	24·7	4·0	
9·4		27·7	29·0	
10·0		31·2	45·8	
10·4		32·7	40·5	
9·0		42·7	23·5	
10·0		42·7	58·3	
9·6		44·7	55·0	
9·1		55·2	2·8	8·5 G–
9·7	5	13·7	37·5	
9·7		41·7	23·6	
8·6		45·2	24·5	G
9·4		45·2	33·8	
9·6	6	13·9	1·9	
10·4		35·2	57·6	
9·0		53·2	40·7	9·5
10·0		53·6	39·9	
10·0	7	1·7	54·6	
10·0		6·2	39·4	
10·0		13·7	26·0	
10·0		34·2	14·1	
8·6		58·7	11·5	9·0 GS–
10·4	8	26·2	12·5	
8·8		26·7	53·2	9·5 G
9·0		30·7	48·1	9·5
9·9	9	0·2	26·3	
9·7		0·7	54·4	
9·7		3·2	56·0	
10·4		10·2	34·5	
9·9		13·7	34·4	
9·8		19·2	16·4	
9·0		29·4	14·8	
9·6		31·9	40·9	
9·8		34·7	13·8	
10·4		41·2	30·2	
10·4		49·6	29·8	
10·4		56·2	6·8	
9·2	10	2·9	40·3	
9·1		6·7	54·5	
10·0		9·7	17·7	
9·3		16·7	52·9	
9·6		19·4	19·6	
9·6		33·2	28·6	
8·0		51·7	29·7	8·2 G
9·6		57·7	52·3	
9·4	11	3·7	21·4	
10·0		6·2	11·9	
9·3		48·2	19·8	
9·0		50·2	23·9	9·0 G
10·2		58·7	24·4	
9·3	12	15·2	9·6	
10·0		18·7	19·8	
9·6		25·2	31·0	
	+0	55·5	−0·3	

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1081—1140.

mag.	6h. m s	—32° ′	
8·8	12 28·2	52·0	
10·0	37·7	7·2	
9·3	45·2	27·6	
9·3	47·2	57·4	
9·3	48·7	14·2	
8·8	13 2·2	51·5	
9·6	7·2	12·2	
10·0	10·7	10·0	
9·2	12·7	15·4	
10·0	13·2	7·4	
10·0	47·7	38·4	
9·6	57·2	16·2	
10·0	14 3·7	37·6	
9·2	3·7	3·4	
10·0	5·6	25·6	
8·8	13·7	9·2	9·0 G
8·8	35·2	6·2	9·0
10·2	40·7	0·0	
9·1	15 3·7	49·6	
8·8	7·2	49·3	9·0
10·2	7·2	33·5	
10·2	8·4	1·8	
9·6	22·2	42·0	
8·8	23·7	16·4	10·0 G
9·4	34·2	33·9	
8·6	53·2	32·8	9·0
10·2	56·2	47·4	
10·0	16 7·0	47·2	
10·0	36·5	30·2	
10·0	52·0	52·0	
8·7	53·5	56·6	
9·3	17 13·2	0·3	
8·8	14·5	45·5	
8·7	32·0	35·7	
9·4	36·0	36·8	
10·0	53·0	10·2	
9·4	53·7	0·7	
10·2	56·5	48·0	
8·6	18 0·5	16·4	
9·0	3·5	39·6	
9·1	9·5	45·2	
8·8	10·0	24·6	
10·0	17·0	10·8	
10·2	21·0	16·1	
9·2	22·2	2·5	9·0
10·2	35·5	36·6	
10·2	36·0	27·6	
10·0	36·0	1·6	
8·7	42·2	2·8	9·0
9·3	44·5	55·0	
10·2	45·7	58·8	
10·0	46·0	12·3	
10·2	19 7·4	18·6	
8·6	11·0	31·5	
10·2	13·0	4·3	
9·3	31·0	37·3	
9·3	43·0	55·0	
10·2	45·0	59·3	
9·8	49·5	20·2	
8·8	20 10·5	4·0	
25pr.	+0 55·6	−0·6	

1141—1200.

mag.	6h. m s	—32° ′	
9·8	20 14·5	22·3	
9·6	17·5	7·6	
10·2	21·0	13·3	
9·1	32·3	58·4	
10·2	44·4	42·1	
10·2	51·9	13·1	
9·2	59·9	55·1	
9·6	21 5·4	41·8	
10·2	8·2	0·1	
10·2	10·1	14·7	
9·0	14·9	15·1	
9·6	27·4	34·8	
8·8	30·7	1·2	:
10·2	48·4	25·9	
9·0	50·9	10·1	
9·4	22 10·9	53·9	
9·1	13·4	10·5	9·0
9·4	15·9	14·2	
8·1	26·4	5·4	7·5 Gtπ
8·6	28·4	49·2	
9·1	33·9	23·6	
10·0	39·9	42·9	
10·2	41·4	21·2	
8·2	47·4	32·5	8·5 S
9·8	23 1·9	13·1	
9·6	7·9	43·9	
9·0	11·9	30·8	
10·0	12·9	23·1	
10·2	14·4	36·9	
10·2	16·4	7·3	
10·2	23·4	56·1	
9·0	31·4	46·1	8·5
4·4	32·9	30·2	5·2 GStπ
10·2	34·9	41·3	
10·2	50·9	48·0	
5·7	24 1·4	17·4	6·5 GStπ
7·9	5·9	45·4	8·5
9·2	20·9	35·3	
9·6	21·4	41·2	
9·6	34·9	3·5	
10·2	35·4	16·1	
10·2	25 4·4	26·1	
10·2	13·9	8·5	
10·2	17·3	5·5	
10·2	32·9	36·1	
9·0	44·8	26·5	
9·0	50·8	50·2	
8·2	26 14·3	25·0	8·8 G
10·0	17·8	44·3	
10·2	19·9	1·0	
10·2	22·8	46·9	
9·1	30·3	9·0	9·0 G
9·8	31·8	6·4	
10·0	34·8	55·3	
8·6	38·8	11·4	9·0
8·6	43·8	48·4	10·0
8·0	46·3	46·8	7·2 GS
8·8	27 5·8	49·0	9·5
9·4	16·8	39·6	
10·2	18·9	39·9	
	+0 55·6	−0·8	

1201—1260.

mag.	6h. m s	—32° ′	
9·4	27 22·8	23·5	
9·0	23·8	26·8	
10·0	31·8	14·3	
9·8	32·3	30·0	
9·4	33·3	34·2	
9·0	34·3	18·2	
9·4	28 1·8	25·4	
10·0	4·8	55·0	
10·0	11·3	46·1	
10·0	12·3	47·0	
9·1	31·3	20·8	
9·2	32·3	56·0	
10·0	32·9	23·7	
9·6	45·8	7·2	10·0
8·4	46·8	8·0	7·5 GS
8·6	53·3	25·0	
10·2	29 0·3	2·1	
9·8	8·3	25·0	
7·6	12·6	56·6	8·5
10·2	14·8	4·2	
9·8	19·3	28·0	
9·8	24·8	31·6	
9·4	30·0	1·9	
9·2	33·3	46·6	
9·4	36·8	13·6	
8·8	52·8	59·9	9·5
6·0	56·8	37·1	6·0 GStπ
9·6	30 9·3	51·2	10·0
9·4	11·8	51·1	9·5
7·9	16·3	12·5	8·5
9·6	19·8	23·9	
10·2	22·3	25·2	
8·8	25·8	54·2	9·0
9·6	25·8	56·8	
9·3	30·8	48·4	
10·2	40·8	51·2	:
10·2	42·0	57·8	
10·0	55·8	46·0	
10·2	31 10·8	56·3	
9·4	23·8	8·4	
9·0	25·8	7·2	9·0 G
10·2	58·3	2·8	
9·8	32 10·0	51·1	
9·8	12·8	38·5	
9·8	13·8	47·4	
10·2	15·9	57·9	
10·2	18·8	25·1	
8·2	21·3	7·2	8·0 Gtπ
9·6	21·3	40·6	
10·2	22·5	58·6	
10·2	31·8	50·8	
9·0	32·8	16·9	8·5
10·0	35·3	19·6	
9·6	39·3	18·8	
10·2	51·8	41·2	
8·8	52·8	49·8	
9·2	33 4·8	22·5	
9·8	5·3	34·2	
9·3	5·5	57·5	
7·2	6·8	14·2	5·8 GStπ
	+0 55·7	−1·1	

1261—1320.

mag.	6h. m s	—32° ′	
9·2	33 8·3	14·8	
9·8	14·3	20·8	
9·4	16·0	11·3	
9·6	24·8	8·9	
10·2	31·0	15·1	
10·2	43·0	5·5	
8·4	34 13·8	43·2	8·8 G
9·6	14·3	0·7	
10·0	25·8	41·0	
9·4	26·0	25·3	
9·8	30·8	32·3	
9·8−	42·7	48·7	8·5
9·6*	35 4·0	33·6	
7·8	21·7	46·7	8·0 G
8·8	21·7	45·6	9·0 G
8·4	23·7	38·1	9·5
8·0	36 5·7	39·7	8·0
8·8	58·2	10·2	8·5
8·8	37 54·7	43·9	9·5
9·8	56·2	55·3	
7·3	38 4·7	35·4	7·2 GS
9·8	20·7	15·2	
8·4	23·2	52·4	9·0
9·4	40·7	45·9	9·0
9·8	39 17·7	48·9	
8·4	18·2	18·2	8·0
8·6	20·7	37·5	8·2
8·1	37·2	11·0	8·5 G
9·4	42·7	9·8	
8·6	46·7	38·5	9·0 G
9·1	40 48·7	27·2	9·0
8·8	41 0·2	8·4	8·7 G−
8·8	11·7	22·3	
8·6	16·7	39·5	9·0
9·8	24·2	8·9	
9·8	42 1·7	43·9	
9·8	16·7	34·7	
8·6	25·7	52·9	9·0 G
9·1	35·7	49·5	9·0 G
9·6	42·7	33·7	
9·8	43 13·7	47·8	9·5
9·6	41·7	14·6	
9·4	51·7	31·9	9·5
8·5	58·7	19·4	8·5
9·8	44 9·1	57·8	
9·4	15·7	34·6	
9·4	30·7	45·6	
9·8	35·7	53·0	
9·6	44·2	30·6	9·5
7·3	52·7	23·9	7·0 GStπ
3·9	45 10·2	21·9	4·0 GSπ/β
9·8	19·7	58·5	
8·5	46 13·7	49·5	
9·1	38·7	10·6	
7·6	41·1	2·2	7·2 G
9·8	43·4	31·7	9·0
9·8	47 22·2	42·2	
9·8	34·2	1·9	
8·0	56·7	19·9	8·0 G
9·8	48 6·7	55·2	
	+0 55·8	−1·5	

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1321—1380.

mag.	6h–7h m	s	—32° ′	
9·1	48	21·2	13·3	
9·4		55·7	17·9	8·5 G–
9·8	50	2·2	17·9	
9·8		2·2	19·7	
8·4		2·7	37·9	7·5 G
9·8		4·7	23·0	
9·8		7·7	54·7	9·5
9·0		12·7	51·7	9·0
9·8	51	6·7	46·5	
7·8		19·7	54·7	7·2 GS
9·1		26·2	23·4	8·0 G
8·8	52	1·7	22·3	
9·8		8·2	47·4	
9·1		9·9	52·3	9·0
8·8		18·4	46·2	9·0
9·8		21·7	23·0	
9·2		24·9	16·6	–
9·8	53	12·4	37·3	
9·8		28·9	55·0	9·0
9·8		48·9	51·6	9·5
9·8		59·9	26·7	
9·0	54	1·8	58·7	8·0 G
9·8		19·9	49·9	9·5
7·8		20·4	33·1	GS
9·8	55	35·4	37·9	9·5
9·8		46·4	13·5	9·5
9·8		55·4	14·9	9·0
9·0		57·4	26·3	
9·2	56	14·4	42·6	
9·8	57	0·8	0·6	
9·8		5·9	9·2	
9·8		6·5	41·3	9·5
9·8–		54·2	1·7	
9·6		54·5	59·3	
9·6	58	21·1	14·2	
9·0		26·8	4·0	
8·3		56·9	47·9	9·0
9·6		59·8	3·5	9·5
9·4	59	41·8	47·0	
9·2	0	43·8	54·3	
9·4	1	6·8	20·1	
9·6		32·4	36·2	
9·6		50·4	40·1	
8·3	2	2·9	29·7	9·0
9·6		15·9	57·1	
9·6		27·9	58·0	
8·6	3	2·4	12·0	8·5
9·0		4·9	16·4	
9·2		14·4	16·0	9·0
9·6		16·9	5·9	
9·6		43·4	33·7	
8·3	4	2·9	48·2	8·5
9·6		14·9	31·0	
9·6		23·8	23·0	
8·4		25·9	42·3	7·5 G
8·9		46·4	43·6	
9·1		47·9	33·8	
9·6	5	11·9	39·8	
9·6		28·4	4·6	
8·9		43·9	40·0	9·5
25pr.	+0	56·2	—2·1	

1381—1440.

mag.	7h m	s	—32° ′	
8·6	6	17·9	25·3	9·5
8·9		39·9	2·0	9·5
9·4		44·9	35·8	8·5 G
9·6		53·4	26·4	
9·6	7	11·1	35·9	9·0 G
9·5		29·8	24·6	
9·6		45·8	14·9	
9·0	8	0·4	40·7	9·0
9·6		6·4	59·8	
8·6		12·4	17·8	9·0
9·0		33·4	37·1	8·5
9·6		37·9	45·8	
9·5		38·4	15·0	
9·2		38·4	54·6	
8·5		39·4	58·0	
9·6		55·9	10·2	
9·5	9	1·5	34·9	9·0
9·6		2·5	25·2	
9·2		3·5	1·3	8·5 –
9·2		7·0	20·3	
9·6		12·6	44·5	9·5
8·6		27·0	13·6	
8·3		58·0	20·8	8·0 G
8·7	10	18·0	35·1	8·5
8·5		55·5	51·5	8·5
9·2	11	15·5	23·1	9·0
9·6		20·5	5·7	9·5
9·1		22·5	23·5	9·0
8·7		26·0	7·0	9·0
9·6		43·0	30·3	
9·6		53·5	9·0	
9·0	12	6·5	39·8	9·0
9·2		10·0	15·5	
7·6		19·5	49·3	8·0 G
9·6		39·5	5·7	
9·0		40·5	24·2	
8·7		43·0	39·4	9·0
9·6		53·0	13·4	
9·6	13	8·5	5·7	
8·1		13·0	34·0	8·5
8·5		39·3	3·1	9·0
7·6		47·0	7·2	7·2 GS–
9·6	14	2·5	16·7	
9·6		6·5	35·7	
8·9		39·0	2·1	
9·2		46·5	34·3	
9·5	15	7·5	6·6	9·0
8·7		12·5	11·8	9·0
9·2		26·5	42·9	
9·0		35·5	50·6	
9·6		56·5	5·0	
9·6	16	2·0	21·8	
8·2		6·0	14·5	7·5 GSt
8·5		9·5	3·8	
9·1		14·6	1·5	
9·6		34·6	24·7	
9·5		37·6	41·0	9·0
9·5		52·1	46·3	9·5
9·6	17	1·1	31·4	
9·6		6·1	9·4	
	+0	56·6	—2·6	

1441—1500.

mag.	7h m	s	—32° ′	
9·6	17	16·1	29·0	
7·8		24·1	20·9	7·0 GSt
9·0		26·6	0·9	
8·7		32·6	21·3	8·5 GW
9·6		45·6	17·5	9·0
9·6	18	3·8	1·1	
8·6		8·1	32·7	8·5 G
9·6		13·6	52·2	
9·6		20·1	24·5	
9·0	19	47·6	7·7	
8·6	20	5·6	31·2	
9·2		17·1	50·1	
8·9		17·6	25·2	
9·6		25·6	30·6	
9·6		37·6	50·9	
9·6		46·6	26·8	
9·6		47·6	41·0	
8·1		52·6	15·7	8·5 G–
9·2	21	16·1	6·3	9·0
9·6		20·6	34·0	
8·7–		25·6	9·3	
9·7		33·1	1·8	
9·5		33·9	8·5	9·5
8·9		37·9	30·9	
9·7		38·4	27·3	
10·0		53·9	8·7	
8·7		55·5	0·7	9·0 G
9·2	22	0·4	10·3	
10·0		6·9	21·0	
9·8		8·9	12·5	
9·2		24·9	4·3	9·0
8·6		26·5	19·2	8·5
8·9		31·4	31·1	
9·7		38·4	52·2	
9·5		43·9	52·1	
10·0		46·9	18·8	
9·4		51·9	34·8	9·0
10·0		53·4	0·4	
9·7		53·6	2·0	9·0
9·3		57·9	4·9	
10·0	23	18·9	44·6	
8·7		26·4	13·0	9·0
10·0		27·4	33·8	
8·6		27·4	26·6	
10·0		36·4	30·8	
9·4		42·9	49·1	
9·4		45·9	54·1	
9·8		51·4	57·8	
9·5	24	3·4	17·7	
9·4		9·4	50·9	9·0
10·0		11·0	22·3	
10·0		11·9	13·5	
9·6		18·9	21·3	
9·5		19·4	42·9	
10·0		21·4	1·0	
8·8		27·9	29·2	8·5 G
9·3		29·1	1·4	
9·8		30·4	54·2	
9·2		30·7	2·7	
9·4		41·9	21·9	9·0
	+0	56·9	—2·9	

1501—1560.

mag.	7h m	s	—32° ′	
8·7	24	44·9	9·2	9·0
9·5		45·2	57·5	
9·0		48·9	50·4	
9·8		50·4	57·5	
10·0	25	13·9	50·5	
8·7		18·4	40·1	
10·0		18·4	31·7	
8·4		21·9	5·1	9·0 –
8·4		22·9	48·1	
9·4		27·4	25·1	
9·4		27·9	36·7	
9·4		28·4	16·0	
9·3		31·4	20·3	
10·0		31·9	4·5	
9·4		34·9	19·0	
9·7		46·9	45·1	
9·8		50·4	18·4	
8·6		51·4	25·4	
9·0		54·9	10·1	
9·6	26	6·9	37·0	
8·8		7·4	3·5	
9·2		13·9	10·1	
10·0		16·9	12·2	
9·8		18·9	17·7	
9·8		20·4	4·5	
9·5		25·9	27·3	
8·8		37·4	33·0	9·0
10·0		52·9	41·0	
9·4		53·9	15·3	
8·9		54·9	45·2	
9·2		56·9	56·1	
10·0	27	0·9	23·3	
9·2		1·4	23·7	9·0
10·0		2·4	42·9	
9·3		3·9	30·2	
9·8		9·9	51·2	
10·0		13·0	45·5	
9·2		15·5	9·9	
9·8		21·9	57·3	
8·9		24·0	31·5	9·0
9·6		27·0	44·1	
9·5		32·0	3·9	
10·0		33·5	16·7	
10·0		41·0	54·5	
9·8		44·0	32·6	
10·0		44·0	20·9	
9·6		45·0	30·5	
9·2		49·0	51·5	9·0
8·6	28	4·0	43·3	9·0
9·4		4·5	18·5	
9·2		12·0	51·1	
10·0		14·0	41·5	
9·4		14·0	17·1	
10·0		16·0	34·1	
9·6		21·0	30·5	
10·0		23·0	48·8	
9·0		38·0	21·3	
9·0		47·0	35·8	
9·6		47·5	50·7	
9·3		53·0	42·3	
	+0	57·0	—3·1	

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1561—1620.

mag.	7^h m	s	−32° ′	
9.0	29	5.0	4.2	
9.8		11.9	1.3	
10.0		17.0	21.6	
8.8		22.0	38.6	
8.8		24.0	26.3	9.5
9.6		25.5	27.2	
9.2		33.0	31.1	
8.6		34.0	42.6	9.0
9.0		36.0	3.2	9.0
10.0		38.0	39.3	
9.7		40.0	38.3	
10.0		41.0	5.9	
8.4		42.0	12.3	
9.0		45.0	40.5	
9.5		46.5	0.2	
9.0		53.1	9.9	9.0 G
10.0		53.6	35.2	
9.4		57.6	23.7	
9.4	30	3.1	0.4	
9.8		5.1	49.6	
10.0		9.6	47.2	
10.0		17.1	14.2	
9.4		18.6	36.0	
9.8		19.6	52.8	
9.5		21.1	12.3	
9.8		23.1	35.3	
10.0		27.1	36.2	
9.3		28.1	51.3	
10.0		32.1	26.7	
10.0		41.1	28.9	
9.6		43.6	54.7	
10.0		44.1	40.8	
10.0		45.1	57.3	
8.6		46.1	56.4	9.0
10.0		46.1	56.1	
9.5		49.1	40.6	
9.0		55.1	55.0	9.0
8.9		55.1	18.0	9.0
10.0		58.1	5.5	
10.0		59.1	47.5	
9.8	31	6.1	10.2	
8.8		8.6	33.5	9.0 G
10.0		18.1	3.2	
9.3		19.5	0.2	9.5
9.4		30.6	25.4	
8.8		37.1	50.9	9.5
9.0		39.6	12.4	
10.0		44.1	7.9	
10.0		53.1	11.1	
9.2		56.1	24.3	
9.4		57.1	33.4	
10.0		57.1	13.5	
9.5		59.1	13.7	
9.4	32	13.6	41.2	
9.8		14.1	40.5	
8.5		20.6	9.3	9.0 −
9.6		21.1	55.0	
10.0		23.0	24.7	
9.8		23.1	43.2	
9.4		23.1	8.0	
25pr.	+0	57.1	−3.2	

1621—1680.

mag.	7^h m	s	−32° ′	
9.6	32	23.1	59.5	
9.4		25.1	8.3	
9.5		39.1	4.2	
9.6		39.6	7.3	
9.0		40.1	2.8	9.0
9.5		40.6	22.4	
8.4		41.6	7.0	8.8
10.0		52.6	9.0	
9.4		52.6	44.4	
9.2		57.1	49.5	
9.7	33	1.1	29.8	
9.6		4.6	48.9	
9.8		6.6	19.5	
9.5		15.1	48.7	
9.5		19.6	34.6	
9.3		22.1	18.3	
10.0		23.6	29.5	
10.0		29.1	38.7	
10.0		31.1	54.8	
10.0		31.6	12.1	
10.0		34.0	17.3	
8.5		36.1	13.0	8.5 G
8.6		39.1	28.5	
10.0		40.1	4.3	
10.0		40.1	6.3	
8.5		42.1	48.1	9.0
9.8		57.1	39.1	
9.0	34	0.1	15.3	
10.0		4.1	3.3	
10.0		6.1	54.3	
9.5		10.1	23.8	
9.3		11.1	3.2	
10.0		13.1	42.2	
9.5		16.1	46.1	
9.8		18.1	13.0	
9.7		18.6	44.6	
9.2		19.1	1.5	
9.4		19.1	26.7	
8.8		29.2	8.6	9.5
10.0		32.2	1.0	
9.0		34.2	14.0	
9.6		36.7	1.0	
8.9		42.2	37.0	
8.9		46.2	55.3	
9.4		47.2	44.6	
9.4		55.2	56.6	
9.4		57.2	52.2	
8.2	35	3.2	17.4	7.5 G−
8.8		3.7	14.5	9.0
10.0		6.2	53.3	
8.4		9.2	25.4	8.8
9.0		24.2	57.7	
10.0		27.2	57.0	
9.2		37.2	11.3	
10.0		42.2	28.1	
9.3		44.2	16.5	
9.4		53.2	39.3	
9.6		53.2	50.1	
8.9		57.2	29.3	
10.0	36	8.7	37.2	
	+0	57.3	−3.3	

1681—1740.

mag.	7^h m	s	−32° ′	
10.0	36	17.2	21.7	
8.2		25.7	21.1	8.5
8.9		30.2	13.1	
10.0		33.2	1.1	
9.7		33.2	21.0	
9.2		37.2	16.7	
9.2		38.7	37.3	
10.0		45.2	15.1	
9.3		53.2	20.1	
9.3		55.2	5.1	9.0
9.5		56.2	30.3	
9.8		56.2	0.0	
10.0		58.1	40.1	
8.9		58.7	47.5	
10.0	37	4.2	34.9	
10.0		7.2	48.7	
9.8		11.2	6.4	
9.8		16.3	25.1	
10.0		18.3	34.3	
8.8		19.3	27.3	
9.8		21.3	14.6	
8.4		22.8	39.1	9.0
9.4		23.3	24.7	
10.0		24.3	5.5	
8.8		37.3	25.0	9.0
8.9		44.3	47.1	
10.0		46.3	44.8	
10.0		53.8	18.8	
10.0		55.3	10.6	
8.8	38	2.3	55.3	9.0
10.0		6.8	52.1	
10.0		16.3	42.9	
9.8		19.8	11.8	
9.0		20.3	21.9	
9.7		23.3	39.6	
9.5		23.8	48.3	
9.3		24.3	19.4	9.5
9.5		27.0	58.3	
9.2		32.3	2.3	
9.4		40.3	3.1	
10.0		42.3	49.8	
10.0		46.3	29.9	
10.0		53.3	41.2	
9.4		54.8	36.1	
10.0		57.8	36.8	
9.4	39	1.3	1.9	
9.4		16.3	47.3	
9.7		17.3	28.8	
10.0		18.3	25.3	
8.8		22.8	9.8	
9.7		23.3	45.0	
9.2		26.3	39.2	
10.0		26.8	42.6	
8.8		41.3	55.4	9.0
8.6		41.8	22.7	
9.4		44.3	21.8	
10.0		47.4	19.2	
10.0		50.4	12.2	
8.8		51.9	46.8	9.0
9.8		54.4	54.4	
	+0	57.4	−3.5	

1741—1800.

mag.	7^h m	s	−32° ′	
10.0	39	56.9	16.3	
10.0		57.9	38.4	
8.4		58.4	36.0	9.0
9.3	40	10.4	10.5	
9.5		12.4	44.5	
9.8		22.4	54.3	
9.3		26.4	39.8	9.0
9.2		31.4	41.9	
9.5		32.4	35.6	
10.0		35.6	59.2	
10.0		56.9	24.9	
10.0	41	5.4	11.8	
9.3		10.4	55.3	
10.0		16.4	24.8	
10.0		21.4	26.0	
10.0		22.4	48.9	
10.0		30.2	48.0	
9.2		34.9	31.1	
8.9		36.4	0.2	9.5
9.2		43.4	23.5	9.0
10.0		44.4	0.1	9.0 −
9.4		47.4	57.7	
9.4		49.4	19.3	
9.2		53.9	58.3	
8.5	42	3.4	34.4	9.0
9.8		3.9	35.4	
9.8		6.2	36.4	
10.0		6.4	53.4	
10.0		16.4	25.0	
9.4		23.4	50.9	
10.0		28.6	59.6	
10.0		32.4	36.3	
9.5		33.4	56.0	
9.7		45.4	18.4	
9.5		45.4	5.8	
9.4		49.5	0.2	
8.4		50.4	33.0	9.0
10.0		51.2	18.8	
8.0		54.9	21.7	8.0 G
9.5	43	6.8	2.4	
8.6		8.5	9.1	8.0 −
9.3		11.2	58.2	9.0
9.4		12.5	29.1	
10.0		20.0	53.1	
10.0		22.5	37.2	
10.0		25.0	2.7	
8.9		33.5	35.3	9.5
9.8		45.0	17.5	
9.6		47.0	45.8	
9.4		47.5	3.1	
9.4		51.5	58.0	
10.0		54.0	24.1	
9.4		54.5	20.3	
9.5		58.0	49.9	
9.8	44	2.0	20.9	
9.8		2.5	6.9	
10.0		7.5	8.1	
10.0		17.5	57.9	
8.6		23.5	37.8	9.0
9.0		24.5	16.9	
	+0	57.6	−3.6	

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1801—1860.

mag.	7h. m	s	—32° ′	
10·0	44	30·5	18·5	
10·0		32·0	20·3	
8·5		40·5	48·3	9·0
7·4		48·5	58·5	6·2 GS
8·4		50·5	6·5	8·5 –
10·0		50·5	3·3	
10·0		51·0	44·5	
9·7		52·2	57·7	
9·8		53·5	37·3	
10·0	45	3·4	35·0	
9·8		9·5	16·3	
9·2		10·5	18·0	
9·8		20·0	8·5	
9·0		22·0	58·3	9·2
10·0		29·5	9·9	
9·4		32·0	30·7	
9·4		37·0	29·7	
9·8		47·8	43·1	
10·0		56·0	6·1	
8·4	46	0·3	40·9	8·5
9·8		3·5	2·0	
8·9		7·5	41·5	9·5
8·4		7·5	44·3	8·0
10·0		8·0	15·5	
10·0		13·5	23·9	
10·0		15·5	20·1	
9·5		19·8	37·1	
10·0		25·0	31·9	
10·0		27·5	42·1	
9·4		35·9	6·7	
9·4		37·5	7·9	
8·3		44·2	23·7	8·0
9·8		55·2	47·1	
9·4		59·7	29·6	
9·8	47	6·4	2·8	
9·6		21·7	46·8	
9·4		34·7	52·1	
9·2		44·2	26·2	
9·4		46·2	35·3	
9·2		48·1	1·7	
9·6		57·2	21·2	
7·6	48	12·8	58·4	8·2 GS
9·6		13·2	46·9	
9·8		21·2	10·0	
9·7		31·1	39·8	
9·8		32·2	26·4	
9·8		51·3	51·1	
9·0	49	2·3	17·9	
9·2		8·3	55·1	
9·8		12·8	26·4	
9·4		23·3	34·6	
9·2		26·8	16·5	9·0
8·4		37·8	9·8	8·5 –
9·8		43·8	52·7	
9·8		55·8	1·0	
9·2	50	2·0	1·7	
8·8		2·8	59·7	9·5
9·2		11·8	27·8	
8·4		13·3	26·4	9·0
9·8		28·3	56·0	
25pr.	+0	57·8	−3·8	

1861—1920.

mag.	7h. m	s	—32° ′	
9·2	50	41·8	36·1	
9·0		42·3	24·1	9·5
9·8		48·3	4·8	
9·8		50·8	29·2	
9·7		53·8	24·8	
9·6		54·6	2·3	
9·8		55·1	8·3	
9·4	51	5·3	37·9	
9·2		12·1	4·6	
9·4		15·3	39·1	
9·0		21·3	42·2	
9·8		25·1	24·6	
9·4		25·8	33·1	
9·8		32·3	49·7	
9·0		42·3	47·4	9·0 –
9·8	52	8·8	11·2	
7·8		20·8	55·0	7·7 G–
9·8		22·1	42·1	
8·4		22·3	48·2	7·8 GW–
9·6		27·8	49·7	
8·8		32·3	15·0	
9·2		39·3	9·8	
9·7		40·8	27·9	
9·2		42·8	57·9	8·5
9·2		53·3	3·8	9·2
9·4		54·3	45·1	
9·4	53	32·3	9·1	
9·8		35·1	12·9	
9·6		57·3	14·2	9·0 –
8·6	54	3·8	13·1	9·0 –
9·8		6·3	56·9	
9·4		12·8	37·9	
9·8		13·8	39·0	
8·8		14·8	6·9	
9·4		50·9	6·8	
9·8	55	9·4	27·9	
8·6		15·4	57·1	9·2
9·8		22·4	2·8	
9·6		24·9	22·1	9·0
9·6		32·4	7·6	
9·8		36·9	37·3	
9·7		37·4	23·1	
9·2		49·4	10·4	
9·8		53·4	3·6	
9·4		55·4	52·1	
8·8	56	4·9	41·4	9·2
8·8		4·9	1·2	8·0
9·7		5·2	37·2	
9·8		8·9	50·2	
9·8		10·4	40·4	
9·4		14·9	35·5	
9·8		17·4	7·1	
9·7		21·4	30·7	
9·8		25·4	31·9	
9·4		25·9	37·0	9·5
9·4		32·9	32·4	
9·4		39·4	18·9	
9·2		46·4	34·2	
9·2		49·9	9·9	
9·2		51·4	18·7	
	+0	58·1	−4·0	

1921—1980.

mag.	7h.–8h. m	s	—32° ′	
9·6	56	51·4	6·7	
9·0		56·4	47·7	
9·0		59·9	43·3	
9·4	57	0·7	0·2	
9·2		2·4	55·3	
9·8		3·9	17·0	
8·8		4·4	49·8	8·5 G–
8·2		5·4	57·2	9·0
9·0		15·4	22·0	
8·8		22·9	55·2	9·0
9·8		26·4	42·1	
9·8		58·2	1·3	
9·8	58	1·9	6·5	
9·2		2·4	39·3	
7·9		3·6	48·2	8·0 G–
9·7		4·6	47·0	
7·9		11·6	6·8	6·5 GStπ
9·4		13·1	46·6	
9·4		13·5	7·3	9·0
9·8		14·5	50·2	
9·2		15·8	2·0	
9·4		31·6	23·8	
8·8		35·5	3·3	9·0
8·6		46·6	19·4	
9·8		49·6	32·9	
9·8		52·5	5·3	
8·8		55·6	34·3	
9·2	59	1·1	30·1	
9·4		1·6	56·6	
9·0		6·1	4·1	9·0
9·4		16·1	48·0	
9·6		16·6	41·7	
9·8		16·6	49·7	
9·4		17·6	38·1	
7·9		23·6	19·3	6·0 GStπ
9·4		34·1	45·3	
9·2		35·6	11·1	
8·4		35·6	13·0	9·0
8·8		41·6	38·7	
9·8		42·6	39·1	
8·6		44·6	42·7	
9·8		46·6	40·3	
9·8		48·1	31·1	
9·4		52·6	44·6	
9·8		53·1	9·0	
9·6		56·1	10·1	9·0
9·6	0	10·6	15·2	
9·8		11·6	22·8	
9·0		21·6	46·4	
9·4		21·6	45·9	
9·6		21·6	37·4	
9·4		22·6	37·8	
9·6		30·6	39·7	
9·8		32·6	26·1	
9·2		33·6	7·1	8·5
9·8		51·6	8·0	
8·0		56·1	58·6	8·0 –
9·8		56·1	46·1	
9·4		56·1	45·8	
9·8		56·3	1·1	
	+0	58·3	−4·1	

1981—2040.

mag.	8h. m	s	—32° ′	
9·0	0	58·7	44·9	–
9·7	1	15·6	22·6	
9·8		15·6	19·5	
9·2		16·2	12·2	9·0
9·2		17·7	9·0	
9·8		26·2	53·6	
9·8		31·2	30·1	
9·8		34·7	39·1	
9·8		36·2	4·5	
9·8		42·7	21·1	
8·6		52·7	54·3	
9·6		56·7	54·1	
9·7	2	9·2	27·3	
9·8		31·7	34·2	
9·2		42·2	42·1	
8·3		55·7	43·7	9·0
9·0		58·0	57·4	
8·8		59·7	9·3	9·0
9·7	3	2·7	3·2	
8·6		14·2	38·1	
9·7		18·2	51·0	
7·6		23·2	58·6	8·5 =
9·6		24·1	57·5	
8·4		24·7	45·7	9·0
9·4		37·2	22·2	
9·2		38·2	53·7	
8·8		39·7	20·8	
9·7		47·5	43·0	
9·2		53·7	19·7	
9·8	4	2·7	59·0	
8·0		4·7	52·9	8·5 =
9·6		19·5	17·8	
9·4		35·7	14·1	
8·8	5	6·2	15·2	9·5
8·8		13·7	33·0	8·5 G–
8·4		21·7	22·3	8·5 G=
9·8		23·2	39·1	
8·2		27·2	40·6	
9·4		31·2	10·9	
9·6		35·2	18·6	
9·7		44·2	11·1	
8·6		45·7	41·2	9·0
9·4		52·2	13·1	
8·1		53·7	14·2	9·0
8·4		56·7	0·8	8·0 GS–t
9·8		58·2	43·0	
9·7	6	12·2	42·5	
9·2		15·7	14·6	–
9·6		19·9	0·4	
8·4		23·8	46·2	
9·4		44·8	9·4	
9·8		53·8	41·0	
9·8		55·3	49·7	
9·8	7	5·3	43·2	
9·2		11·3	1·8	9·0
9·6		12·3	37·1	
8·4		15·8	11·7	9·0
9·8		17·8	5·9	
9·8		17·8	16·9	
9·7		26·8	12·6	
	+0	58·6	−4·3	

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2041—2100.

mag.	8ʰ m	s	—32° ′	
9·8	7	26·8	24·1	
9·4		29·8	52·2	
9·6		31·6	12·1	
9·8		32·6	17·1	
9·7		37·3	12·1	
9·6		49·8	17·5	
9·6		50·3	16·3	
8·6		54·3	32·8	
9·8	8	5·6	11·6	
9·7		12·6	19·0	
8·0		25·8	35·5	9·0 G—
9·4		26·3	51·1	
8·8		27·3	7·4	9·0
9·8		30·8	3·3	
9·8		35·6	27·5	
8·4		39·8	55·2	8·0 G—
8·6		49·3	19·0	
8·6	9	3·5	1·8	
9·8		9·8	9·5	
9·8		10·8	23·7	
9·7		11·3	40·3	
9·4		16·3	53·5	
9·7		21·8	22·6	
9·7		25·8	50·4	
8·8		25·8	50·7	9·5
8·6		31·8	55·7	9·8
9·7		41·8	15·0	
9·8		42·8	43·0	
9·8		52·6	25·1	
9·2		52·8	22·8	
9·8		55·3	6·6	
9·2		55·4	53·8	
9·8		59·1	46·4	
9·8	10	2·4	9·5	
8·8		4·5	59·5	9·5
8·7		5·6	10·7	
9·2		17·6	32·5	
10·1		18·4	53·7	
8·8		24·9	24·6	
9·0		38·6	26·7	
9·7		44·4	26·8	
9·4		44·9	17·0	
9·8		44·9	55·1	
9·6		49·0	56·7	
10·0		51·2	56·2	
9·4		54·9	57·0	
9·4	11	2·9	16·0	
9·4		8·4	59·4	
10·0		14·9	52·8	
9·6		25·9	17·7	
9·6		28·5	23·7	
9·4		31·0	39·5	
8·7		35·0	54·3	9·0
10·1		36·0	4·6	
10·0		38·0	51·7	
8·4		45·0	47·5	9·0 —
9·2		48·5	34·1	
9·2		55·0	29·6	
8·6	12	2·0	8·6	
8·0		10·0	37·3	8·5 G—
25pr.	+ 0	58·8	— 4·5	

2101—2160.

mag.	8ʰ m	s	—32° ′	
9·4	12	12·0	11·0	
9·2		21·0	44·4	
10·0		21·9	1·8	
10·0		22·0	10·8	
9·8		24·0	47·8	
9·2		25·0	23·1	
9·2		27·0	40·3	
7·4		34·0	29·0	7·5 GS
9·6		38·5	26·8	
10·0		41·0	4·0	
10·0		45·0	6·7	
9·2		56·5	59·8	
9·8	13	1·5	39·1	
8·4		5·0	13·3	
9·6		8·5	43·6	
9·7		12·0	24·8	
10·0		22·0	1·9	
9·8		22·0	8·5	
9·7		22·0	21·0	
9·4		23·0	51·7	
10·0		25·0	16·8	
9·2		25·5	59·7	9·0
10·1		35·0	59·9	
8·7		37·0	2·3	8·5 —
10·0		41·0	25·1	
9·2		41·5	56·3	
10·1		43·5	41·8	
8·9	14	1·0	35·7	
8·8		4·0	42·9	
9·4		4·8	59·1	
10·1		6·5	14·9	
9·6		10·5	54·4	
8·1		15·0	42·8	8·0 G
10·0		15·5	23·2	
10·0		25·0	52·7	
10·1		26·0	48·8	
10·0		26·0	49·9	
8·5		26·0	37·9	9·0 G
8·2		32·8	58·6	8·5
9·7		34·0	52·0	
9·2		37·0	49·9	
10·1		37·5	25·5	
9·8		41·0	18·3	
10·1		52·0	2·8	
9·4		53·8	58·4	
10·0	15	0·5	5·3	9·5
9·4		5·0	1·8	
9·2		5·0	46·5	
9·2		12·5	53·9	
10·1		13·0	56·4	
9·2		19·3	56·5	
9·8		22·0	39·1	
9·2		25·0	53·0	
10·0		29·0	37·8	
10·0		31·5	28·5	
10·0		32·0	26·6	
9·2		33·0	28·3	
8·5		55·5	23·9	8·5 —
10·1		59·0	50·7	9·5
9·6	16	2·0	35·4	
	+ 0	59·0	— 4·6	

2161—2220.

mag.	8ʰ m	s	—32° ′	
10·1	16	14·0	41·1	
9·0		17·9	0·9	9·5 —
9·4		19·0	4·4	
9·8		20·5	52·6	
10·0		23·0	28·1	
10·0		23·1	56·8	
10·1		24·0	34·5	
7·3		28·0	39·4	5·5 GStπ
9·6		29·0	12·8	
8·8		40·0	39·5	9·0 —
10·0		42·0	34·6	
9·2		46·0	23·1	
10·1		49·0	25·9	
10·0		51·0	41·2	
8·8		56·0	7·6	
9·0	17	8·2	59·2	9·7
8·2		10·6	57·5	8·7 —
9·8		10·9	45·9	
9·8		14·1	24·5	
10·1		19·1	4·5	
8·6		23·1	51·2	9·0 —
9·8		28·6	49·3	
9·8		36·1	23·5	
10·1		39·1	49·7	
10·1		42·9	38·4	
9·4		59·1	44·9	
10·1	18	1·6	30·4	
8·8		11·1	44·7	9·0
9·0		12·1	1·4	9·0
9·4		21·1	40·1	9·5
10·0		21·6	41·2	
10·1		28·6	19·7	
8·6		43·6	11·6	
8·8		45·6	45·1	
10·1		49·1	23·7	
9·4		51·6	36·0	
9·0		54·1	34·4	9·0 —
9·7		54·9	18·4	
9·4		55·1	18·2	
9·2		57·1	3·2	
7·4	19	2·1	29·6	8·0 GS
9·0		5·6	54·0	8·5
9·6		6·1	53·3	
10·0		6·1	5·9	
10·1		12·1	15·1	
9·8		12·1	16·5	
10·0		24·1	28·3	
9·6		24·6	34·8	
10·0		37·6	38·1	
9·0		43·1	31·0	8·5 —
8·9		45·1	52·0	9·0
9·4		52·6	41·5	
8·8	20	6·1	11·9	8·5 —
10·0		12·1	56·2	
10·1		14·1	22·1	
10·0		15·4	1·3	
10·0		18·7	0·9	
8·6		19·4	2·8	8·5
9·6		22·4	4·6	
10·0		22·4	57·8	
	+ 0	59·3	— 4·7	

2221—2280.

mag.	8ʰ m	s	—32° ′	
9·6	20	25·4	0·5	9·2
10·0		27·4	38·5	
8·7		35·4	46·6	
10·1		36·4	35·9	
9·6		43·4	17·9	
10·0		44·9	37·9	
10·1		46·4	18·9	
10·0	21	2·4	59·4	
10·0		2·4	3·4	
9·0		4·9	21·5	
10·0		15·9	52·9	
8·6		21·4	32·2	8·5 G—
10·0		30·4	41·7	
9·4		34·4	31·2	
8·8		35·4	48·1	8·5 —
10·1		37·4	48·0	
9·6		39·9	59·9	
10·1		41·9	41·9	
10·0		50·9	16·6	
9·7		55·4	0·5	
9·4		55·9	3·8	
10·0		56·9	6·7	
10·1	22	4·9	6·9	
9·8		6·4	15·2	
9·8		9·4	21·2	
9·0		12·4	43·7	
8·8		38·4	16·7	
8·5		40·4	51·2	9·0
9·2		44·9	13·9	
10·0		45·4	44·6	
8·6		45·7	58·2	8·5 =
9·4		46·4	18·8	
10·1		53·4	28·3	
9·6		56·4	50·0	
10·1	23	6·4	45·9	
10·1		6·4	43·7	
10·1		13·7	46·2	
10·1		14·2	42·0	
10·0		19·2	49·9	
9·6		26·2	19·2	
9·6		31·2	38·7	
10·1		31·2	15·7	
9·6		47·7	45·6	
9·4		47·7	11·9	
10·1		52·7	35·8	
9·4	24	26·7	18·4	
10·1		32·6	0·9	
9·4		45·7	19·9	8·5
9·4		52·2	9·6	
9·0	25	1·2	54·6	
10·1		3·7	55·7	
8·6		12·7	39·2	8·5
9·2		14·7	51·8	
8·4		22·7	19·5	8·5 —
9·4		32·7	10·2	
9·6		35·7	43·6	
8·9		45·2	50·6	9·2
10·1		48·2	16·1	
9·4		49·2	40·9	
9·4		49·2	40·5	
	+ 0	59·5	— 4·9	

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2281—2340.

mag.	8h. m s	—32° '	
10·1	25 54·7	27·1	
8·2	59·7	51·6	8·5
9·2	26 5·7	51·4	
9·4	11·2	12·0	
10·0	12·7	53·9	
10·1	12·7	40·2	
10·1	15·7	20·1	
9·6	16·7	31·0	
10·0	17·2	15·6	
9·0	19·7	13·7	
9·6	37·7	25·8	
9·4	38·2	29·8	
10·1	42·7	21·0	
9·4	45·3	59·2	9·0
10·1	52·7	25·6	
10·0	53·2	50·1	
8·9	55·4	9·7	9·5 –
9·8	56·9	54·0	
9·8	27 5·9	41·8	
10·1	11·9	54·8	
9·6	11·9	27·1	
9·4	18·4	9·0	9·5 –
9·6	19·9	5·1	
10·1	26·9	58·7	
9·4	32·9	48·9	
8·6	49·9	1·5	9·5
9·7	52·9	18·5	
9·6	57·4	36·8	
9·6	28 3·4	55·2	
10·0	6·4	49·0	
10·1	6·9	7·6	
10·0	13·9	35·7	
10·1	20·4	16·8	
9·6	23·9	26·4	
9·6	23·9	9·0	
9·6	31·7	0·8	
9·8	35·9	36·8	
9·8	42·4	51·8	
10·1	29 0·9	27·0	
10·1	0·9	26·2	
9·0	2·9	22·6	
10·0	4·4	14·1	
10·0	19·0	17·5	
7·6	31·9	10·0	7·0 GS=
9·6	32·9	20·0	
10·1	34·9	6·9	
9·2	36·9	59·2	9·0
8·6	48·9	6·0	9·2 –
9·4	51·9	33·3	
10·0	30 12·4	43·4	
9·7	12·9	56·1	
10·1	14·4	4·1	
9·4	16·9	23·7	
10·0	19·9	28·0	
9·4	25·9	24·9	
10·0	28·9	29·7	
9·0	31·5	17·6	
9·4	32·9	28·7	
8·6	36·0	8·5	9·0
9·4	44·5	42·6	–
25pr.	+ 0 59·8	—5·0	

2341—2400.

mag.	8h. m s	—32° '	
9·2	30 47·0	13·4	
10·0	31 8·0	20·3	
9·6	12·5	51·9	
10·1	23·0	39·0	
10·1	29·0	39·9	
10·0	29·5	8·2	
10·1	37·8	10·1	
9·4	41·0	17·2	
9·8	48·8	1·4	
9·6	49·5	49·1	
10·0	32 9·5	0·8	
9·4	23·0	37·7	8·5 –
9·7	27·0	36·6	9·0
8·8	31·0	7·3	
9·0	36·0	0·5	–
8·8	38·5	18·2	
9·4	38·5	27·7	
8·4	43·0	55·2	9·0 –
9·4	44·3	1·9	
9·6	52·0	47·0	
10·1	33 1·3	1·6	
9·2	13·2	48·9	
9·2	13·5	46·4	9·5
10·1	26·0	29·9	
9·6	30·2	21·9	
10·1	34·0	28·0	
9·6	49·5	14·1	
10·1	34 1·8	45·1	
9·4	6·2	20·4	
9·0	6·5	16·7	
9·8	14·7	35·6	
9·6	18·5	32·5	
9·5	20·0	6·2	
10·0	22·5	32·4	
9·8	29·8	15·7	
9·5	33·5	21·4	
9·8	44·0	8·5	
9·4	35 31·5	17·9	
9·4	47·0	4·4	
9·8	54·5	21·5	
10·0	36 11·0	40·5	
8·6	14·0	8·7	9·0
8·4	18·0	47·6	8·0 G–
9·5	27·0	21·0	
9·5	27·0	39·9	9·5
8·8	28·0	55·3	9·0
8·6	34·0	53·4	9·0
9·4	54·0	24·2	
9·0	58·0	10·2	9·0
8·6	37 20·0	0·9	8·9 G
9·6	24·0	24·3	
9·8	24·0	7·3	
9·3	52·5	13·3	
10·0	58·0	19·9	
9·8	38 16·2	40·8	
9·9	26·7	21·1	
9·8	31·7	3·9	
8·2	33·7	42·3	8·0 GW–
4·1	34·7	44·2	4·0 GSπ
9·8	38·2	45·9	
	+ 1 0·1	—5·2	

2401—2460.

mag.	8h. m s	—32° '	
10·0	38 47·6	42·1	
10·0	52·7	43·2	
9·4	54·9	1·0	
9·0	39 4·7	49·1	8·5 G
9·3	5·2	47·5	
9·4	40·7	8·0	
9·4	41·7	11·0	–
9·6	44·7	48·4	
9·4	59·2	40·8	
9·2	40 13·7	31·9	
9·4	48·5	59·9	9·0
9·6	41 3·7	29·0	
9·8	14·7	4·2	
8·4	27·7	23·0	9·0
8·2	30·2	14·8	8·5 –
8·3	35·7	47·3	8·0 GW–
9·8	47·7	34·1	
9·3	42 36·7	51·6	8·2 G–
9·9	43·7	10·3	
7·8	48·7	56·3	7·2 GS=t
9·4	50·7	30·0	
9·4	43 3·2	11·2	–
10·0	17·7	6·7	
9·0	36·7	10·3	9·0–
9·0	44·4	0·5	9·5
9·4	56·7	10·5	
9·8	44 3·2	9·3	
9·9	12·1	14·5	
9·9	37·6	22·3	
8·0	41·1	24·2	8·5 GW–
9·4	44·1	30·2	
10·0	44·6	11·5	
7·2	46·6	18·8	5·8 GStπ
9·4	45 4·1	48·8	
8·9	23·6	27·1	9·0
8·8	37·6	36·0	8·2 G–
8·6	45·6	45·8	9·2
9·3	54·6	58·2	8·8
10·0	59·4	51·2	
9·3	46 26·1	21·7	
10·0	31·6	43·8	
9·4	36·1	43·6	
9·8	47·1	38·1	
8·0	47 19·2	2·4	7·0 GS–
9·2	42·6	30·8	9·0 –
8·6	42·6	10·0	8·8 G
8·6	43·6	5·8	8·0 GW–
9·6	48 34·1	15·8	
9·8	45·1	9·4	
8·7	47·6	38·8	8·5 G–
10·0	52·1	53·4	
9·1	56·6	51·0	
9·4	49 14·6	23·8	
9·4	43·6	36·6	
9·6	44·1	43·8	9·5
9·3	57·6	4·8	
8·4	50 1·1	57·0	8·2 W–
9·3	8·1	9·9	
9·4	10·1	23·6	
9·9	16·6	2·8	
	+ 1 0·8	—5·5	

2461—2520.

mag.	8h.-9h. m s	—32° '	
7·3	50 21·5	55·6	7·5 GS=
10·0	43·5	23·5	
9·7	51 4·0	3·9	
9·5	9·5	14·7	
10·0	16·5	31·0	
9·1	17·5	43·1	9·5
9·5	27·5	6·7	
9·2	43·5	6·3	
9·7	44·0	40·3	
9·5	47·0	52·4	
8·7	50·5	4·1	9·5
9·2	52 8·5	33·3	
9·8	12·5	5·2	10·0
9·9	33·0	24·7	
9·7	36·5	43·2	
10·0	58·5	13·7	
9·6	53 17·5	2·7	
9·2	18·5	30·4	
9·6	31·0	25·8	
9·4	45·0	26·7	
9·6	47·5	54·2	
8·6	54 5·0	37·2	9·5 –
8·8	10·5	38·7	9·0
9·8	36·0	33·5	
8·6	39·5	49·7	8·2
9·9	42·5	28·5	
10·0	46·0	4·3	
8·6	56·5	50·2	8·2 –
10·0	55 23·0	38·3	
9·4	29·0	7·2	
9·5	47·5	38·0	9·5
9·6	51·0	31·6	
9·7	52·0	27·6	
9·4	53·5	39·8	
9·4	55·5	22·3	9·0
9·4	56 12·0	14·7	
10·0	12·7	31·3	
10·0	20·4	37·2	
9·8	21·4	38·0	
9·2	33·5	56·0	10·0
9·7	40·5	54·7	
9·4	47·5	21·3	
10·0	57 25·0	40·2	
9·4	58·5	9·5	
9·7	58 15·0	54·7	
10·0	16·5	36·0	
9·8	23·4	55·4	
9·4	33·9	25·0	
9·8	43·0	10·0	
9·0	59 7·7	54·8	9·5
9·6	9·2	17·6	
7·6	14·2	36·3	7·5 G–
8·8	16·7	13·2	
9·8	21·6	59·4	
9·3	38·7	38·8	
9·5	0 17·2	11·6	
9·8	24·7	10·2	
9·4	37·7	28·1	8·5 G–
9·8	47·2	29·4	
8·6	49·2	19·9	9·0 –
	+ 1 1·5	—5·8	

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2521—2580.

mag.	9h. m s	—32° ′	
9·8	1 27·7	37·3	
9·8	36·9	22·0	
9·5	2 14·1	58·4	
9·0	17·2	39·3	9·0 –
9·8	37·7	0·4	9·5
8·8	37·9	2·0	8·5 G–
9·8	47·9	28·7	
9·4	54·3	49·7	
9·8	3 14·3	6·4	
9·6	35·3	45·8	
8·6	46·8	3·2	8·7
8·6	50·3	48·7	9·5
9·0	56·3	55·5	
9·0	4 2·3	47·0	9·5
9·4	6·3	51·0	
9·8	29·3	4·8	
9·8	38·2	8·2	
9·0	43·8	7·5	–
9·8	51·3	33·6	
8·2	5 27·8	35·5	8·0 G
9·0	57·8	54·6	9·5
9·3	6 18·3	20·6	
9·4	27·3	44·9	
9·8	38·1	2·3	
9·8	7 5·8	48·2	
9·6	41·3	9·8	
9·3	56·3	36·1	
9·8	57·3	18·4	
9·3	8 9·8	32·0	
9·8	20·3	16·1	
9·8	9 4·8	48·6	
8·0	7·8	2·3	7·0 GS
8·0	17·3	54·3	8·0 G=
9·8	17·8	27·1	
9·8	34·3	12·0	
8·2	46·3	32·9	7·0 G
9·8	46·3	22·4	
9·8	54·0	2·0	
9·4	10 11·3	19·4	
8·0	23·3	48·1	7·0 GS–t
9·6	44·3	41·7	
9·6	58·8	19·2	
8·8	11 17·3	26·4	
9·8	18·1	58·0	
8·4	26·8	59·3	9·0
9·8	53·3	10·4	
8·4	12 8·3	6·8	8·5 G–
8·0	13·5	0·5	8·2 G
9·8	34·3	21·9	
9·4	13 1·7	30·0	–
9·6	3·2	2·7	9·5 –
9·8	33·2	11·3	
9·0	43·7	53·1	9·0
8·8	56·2	35·7	–
9·8	14 8·4	31·0	
8·6	21·2	24·1	8·0 –
9·8	35·2	50·0	
9·5	36·2	30·9	
8·8	47·2	9·1	8·5 –
8·8	57·7	9·9	9·0 –
25pr.	+ 1 2·3	– 6·1	

2581—2640.

mag.	9h. m s	—32° ′	
9·4	15 18·2	54·3	
9·8	33·7	14·2	
9·5	16 34·2	56·6	9·0
9·4	42·2	49·1	
9·3	50·2	4·9	9·5
9·6	17 13·2	12·7	
9·8	14·2	12·6	
9·3	14·2	48·1	
9·1	17·2	4·7	9·0 –
9·5	18·2	33·7	
9·8	18 21·2	19·4	
7·4	24·7	39·8	7·0 GS–
9·6	38·4	2·1	
8·8	50·2	18·3	9·0 =
9·4	19 2·2	40·7	
9·6	6·2	7·5	
9·8	20 1·7	53·5	
9·3	14·2	24·4	
8·8	19·7	19·6	
8·6	25·2	13·7	
8·5	28·2	38·0	
9·4	21 2·2	47·9	8·5
9·4	6·2	35·2	
9·9	6·7	52·2	
10·6	9·2	55·6	
10·4	12·7	50·9	
10·6	49·7	42·2	
9·6	57·5	52·2	
8·1	22 3·7	20·5	9·0 G–
8·9	4·2	4·8	–
9·2	23 41·2	29·5	9·0 –
9·7	48·7	12·5	
10·0	24 8·2	20·3	
10·2	19·2	11·9	
8·5	26·7	45·9	8·5 GW
7·5	25 3·2	51·3	7·3 GS–
8·5	12·2	26·5	
9·8	17·2	44·0	
10·4	28·2	4·1	
8·8	32·7	1·5	9·5 –
8·8	26 17·1	59·4	9·0 =
9·0	21·7	6·1	–
8·4	47·7	52·9	8·8 =
10·0	27 1·7	46·5	
9·9	13·7	49·4	9·5
9·6	15·2	20·1	
9·7	40·7	36·4	
10·2	41·3	37·1	
10·6	42·2	19·5	
8·6	47·2	30·9	8·2
9·7	50·2	27·3	9·5
10·0	54·7	47·0	
10·4	28 1·7	54·7	
9·4	13·2	48·9	
10·2	35·2	42·3	
8·2	35·7	23·9	8·0 G–
9·9	35·7	34·3	
10·2	49·7	23·2	
10·2	55·7	26·1	
8·9	29 1·0	1·1	9·5 –
	+ 1 3·3	– 6·5	

2641—2700.

mag.	9h. m s	—32° ′	
10·2	29 43·7	42·7	
10·4	48·7	55·3	
10·6	30 0·7	33·7	
10·4	13·7	23·9	
9·7	24·2	9·7	
10·4	42·7	44·3	
9·2	51·2	44·5	9·5
10·4	31 7·2	13·6	
10·4	17·7	7·1	
7·5	23·7	46·5	8·0
9·8	26·7	43·5	
10·6	47·7	47·9	
9·6	59·2	43·9	8·6 –
9·8	32 3·7	24·7	
9·6	20·7	26·1	
10·2	33·7	21·5	
9·4	41·2	32·0	
9·7	51·2	29·5	
10·0	51·7	24·7	
10·6	59·2	52·0	
10·6	33 2·7	35·4	
9·4	17·7	24·9	
9·8	37·7	16·5	
10·4	34 5·2	43·9	
9·9	12·7	38·4	
10·2	22·7	38·0	
8·4	23·7	22·0	9·0
9·9	29·2	33·5	
9·9	30·2	49·9	
8·0	30·7	21·3	8·5
8·8	36·2	33·3	
9·8	41·7	18·8	
10·0	43·7	45·3	
10·2	50·7	22·1	9·5
9·2	51·5	1·5	
9·7	35 40·2	18·8	9·0
9·2	49·7	20·7	8·3 G–
7·3	36 3·2	49·6	7·0 GSt
9·6	16·7	20·0	9·5
9·0	25·0	0·3	9·0
9·4	25·2	53·6	9·0
9·0	43·5	3·3	8·5
9·8	43·7	9·7	
9·9	37 5·7	38·6	
9·4	23·7	40·8	9·0
7·8	29·7	49·9	7·5 GS–
9·9	34·2	26·1	
9·2	34·2	20·5	9·0 –.
9·7	38 2·9	57·6	
10·4	13·7	10·3	
9·8	17·2	28·9	
10·4	19·7	0·9	
10·0	31·2	28·7	
9·8	34·2	7·9	
9·7	36·2	24·7	
9·0	41·2	55·7	
9·8	41·7	27·8	
8·2	43·7	32·7	–
10·4	52·2	16·7	
9·4	58·2	45·2	9·0
	+ 1 4·2	– 6·7	

2701—2760.

mag.	9h. m s	—32° ′	
10·6	39 1·2	47·0	
9·7	7·2	11·7	
10·2	18·2	51·8	
9·8	20·2	10·0	
10·0	27·7	50·1	
10·6	28·7	35·9	
10·6	31·6	14·3	
9·8	49·2	5·5	
10·0	40 1·2	11·7	
7·4	1·7	6·4	7·0 GS–
9·6	13·7	10·0	
9·2	33·7	5·9	9·5 –
9·6	44·2	46·8	
9·6	46·7	4·1	9·5
7·3	53·2	56·0	7·0 GS–
10·2	53·7	31·5	
9·0	53·7	17·7	
10·4	54·4	13·0	
9·2	41 12·7	54·7	9·5
10·2	23·7	20·6	
9·7	42 1·2	15·3	
7·6	12·7	39·7	7·0 GS–
10·2	13·7	18·6	
8·3	19·7	24·7	9·0
9·2	25·2	21·8	
9·6	36·2	10·2	
10·4	46·7	23·7	
8·9	43 1·7	4·6	9·5
8·5	10·7	5·4	9·2
9·6	19·2	32·4	
10·0	25·2	5·4	10·0
8·2	33·2	14·6	8·8
9·4	34·2	54·6	8·5 –
9·7	42·7	55·3	9·0
9·8	51·2	50·2	
8·4	44 3·2	49·5	8·2 G–
10·0	3·7	9·4	9·5
9·4	3·7	33·2	
9·4	21·2	45·5	
10·0	54·2	17·9	
9·6	55·9	59·6	8·5 –
9·7	58·7	44·6	9·5
10·6	45 3·5	0·5	
9·9	5·2	13·9	
9·2	11·4	16·8	
8·6	12·9	41·2	
9·2	15·7	30·4	
8·5	27·7	47·5	9·0
9·8	38·9	12·9	
10·4	56·7	0·5	
9·8	46 6·7	36·9	
10·6	17·5	50·2	
9·6	28·2	32·1	9·0
7·6	29·7	23·7	7·0 GS–
9·4	41·0	56·1	
10·4	42·0	7·3	
9·4	50·2	16·9	
9·6	47 13·2	42·0	
10·0	14·7	17·8	
10·4	30·7	48·2	
	+ 1 4·8	– 6·9	

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2761—2820.

mag.	9h.–10h. m	s	−32° ′	
9·5	47	31·2	11·0	
9·2		50·2	42·2	
10·4	48	23·9	58·3	
7·4		29·2	38·8	8·0 GS–t
8·4		48·2	43·6	8·5 G–
8·7	49	43·2	30·8	
7·8		45·7	46·2	7·5 GS–t
9·8	50	2·2	41·1	
10·0		49·7	26·8	
10·4	51	7·2	2·6	
7·2		7·2	49·4	6·5 GSct
10·0		12·7	44·4	
9·8		29·7	39·5	9·0
10·0		31·7	18·2	
8·7		35·7	34·2	9·0
9·1		40·7	51·3	
9·6		43·2	46·4	
7·4		47·7	15·7	7·0 GS
9·0		53·7	5·2	9·5 –
9·2	52	6·7	44·2	9·5
8·2		21·7	40·3	8·5 =
10·0	53	8·2	16·8	
9·5		19·7	7·9	
10·0		29·7	36·1	
8·2		41·7	55·2	8·5 G–
9·1	54	9·7	52·7	9·2
8·4		15·7	0·4	
9·6		22·2	33·0	
9·0		24·7	35·3	
9·8		46·2	16·1	
10·0		56·7	8·1	
9·5	55	5·7	48·1	
8·7		37·2	31·1	=
9·5		38·2	15·6	
10·2		55·2	23·1	
10·0		58·2	9·9	
8·6	56	2·7	36·4	G
8·7		7·0	58·2	9·2
9·0		35·2	33·2	–
9·4		44·2	45·0	
9·4		51·7	10·5	
9·0		56·2	31·8	
10·4	57	2·8	42·0	
10·2		43·2	42·9	
9·0		43·7	5·9	9·0
7·6		53·7	38·0	7·0 GS=t
10·0	58	10·7	37·8	
9·8		26·7	8·0	
8·7		41·7	4·4	9·0 –
9·0		50·2	42·7	
8·8	59	2·7	23·6	9·0
9·0		45·7	9·6	8·8 –
9·0		53·7	30·5	
7·4	0	2·7	47·1	7·0 GS=t
10·4		5·2	21·1	
9·8		40·7	23·5	
10·0		45·7	37·0	
10·4		54·2	39·8	
10·0	1	11·7	11·0	
9·6		40·7	36·4	
25pr.	+1	5·8	−7·1	

2821—2880.

mag.	10h. m	s	−32° ′	
9·5	1	42·2	39·4	9·2
8·4	2	3·7	38·0	9·0 –
9·8		21·7	47·9	9·5
10·4		54·2	19·2	
9·8	3	14·7	19·2	
8·7		19·7	15·6	8·8 GW=
8·1		35·7	21·5	8·2 G=
10·0		35·9	59·1	
8·0	4	0·2	14·1	8·0 GS=t
9·1		0·2	42·1	
9·0		25·7	23·7	9·0 –
8·2		55·2	57·3	8·6 G–
10·2	5	15·2	8·7	
10·2		32·7	7·0	
8·3		36·5	8·3	8·5 G–
9·6		37·7	21·5	
9·6		39·7	35·5	
9·4		40·7	34·0	
10·4		42·7	13·4	
9·6		49·2	59·9	9·0
10·2		52·7	5·3	
9·6	6	26·7	50·5	
9·2		35·7	6·9	8·3 G
10·0		41·2	33·8	
8·1		45·7	3·6	8·2
8·1		52·2	4·4	7·2 GS–
9·8	7	9·7	8·4	
9·6		15·2	46·9	
7·4		52·7	24·9	6·8 GStπ
8·0	9	29·1	46·8	8·8 –
8·6	10	6·1	39·7	9·0 –
10·2		9·8	10·2	
9·1		15·3	2·6	–
10·4		16·7	1·4	
8·0	11	9·5	26·2	
9·2		29·5	3·0	9·2
8·5		36·5	4·0	8·8 –
8·4		38·5	19·9	
9·6		49·0	7·9	9·5
9·7		51·0	26·2	
10·0	12	33·5	45·9	
9·8		39·5	24·9	
9·7		52·0	39·0	9·5 G
10·1	13	4·0	41·0	9·5
8·5		16·5	37·1	8·7 G–
9·1		16·5	35·6	9·5 G
8·9		17·5	20·8	
8·6		20·5	35·2	9·0 G–
8·9	14	6·5	6·4	8·5 –
9·4		24·0	30·0	9·5
7·7		36·0	30·0	7·8 GS–t
9·0		58·1	7·8	
9·4		58·6	21·4	
10·1	15	9·1	57·2	
9·8		23·6	52·3	
9·8		36·1	55·2	
9·4		45·6	30·0	9·0
9·6	16	12·1	46·0	
9·4		25·6	5·7	
9·7		53·1	45·7	
	+1	7·0	−7·4	

2881—2940.

mag.	10h. m	s	−32° ′	
10·1	17	3·1	27·1	
8·8		11·3	59·2	9·2 –
9·8		11·6	4·7	
9·8		30·6	8·2	
9·1		56·1	34·7	
9·0	18	0·1	36·6	
9·6		9·1	26·4	
9·6		10·1	12·7	
9·4		13·1	46·6	
10·0		18·1	16·2	
8·5	19	0·6	51·3	8·0 G–
9·8		3·1	31·7	
10·1		51·6	19·5	
10·1	20	2·6	17·6	
9·2		2·8	1·0	
10·1		37·1	46·7	
9·8	21	12·6	0·5	
10·1		14·1	8·8	
10·1	22	51·6	13·2	
8·0	23	47·6	46·1	8·0 G–tπ
8·2		52·6	18·1	7·5 G
10·1		56·1	8·7	
10·0	24	5·1	24·2	
9·2		14·1	41·2	9·2
8·5		32·1	4·4	8·0 –
10·0		58·6	50·7	
9·7	25	10·6	55·0	
9·4		12·1	22·0	
9·7		47·1	55·6	
8·6		56·9	25·4	8·2 =
8·9	26	6·9	16·2	9·5
9·1		7·9	29·7	9·8
9·9		48·4	9·5	
8·4	27	8·4	43·6	8·0 G–tπ
9·4		28·4	53·8	
9·0	28	11·4	41·7	
9·4		37·9	18·0	10·0
10·1	29	14·4	28·0	
9·8		46·4	13·0	
10·1	30	7·4	55·1	
9·2		32·4	42·8	
8·0		34·4	11·0	9·0
9·4		40·9	33·1	
8·9		40·9	33·7	
7·2		52·4	37·4	7·0 GS–t
9·2	31	6·4	35·3	
8·9		16·4	8·2	–
9·2		44·4	41·9	
8·8	32	30·4	36·0	9·5
10·0		36·9	10·9	
10·1		44·4	19·9	
10·0	33	24·7	54·5	
8·6		26·2	19·2	9·5
10·0		26·8	2·3	
9·8		39·0	56·7	
8·8		42·2	9·7	8·3 G–
10·4	34	3·5	58·0	
8·4		5·7	5·1	9·2 –
10·4		5·8	14·6	
8·2		7·0	57·8	7·7 GS=
	+1	8·3	−7·7	

2941—3000.

mag.	10h. m	s	−32° ′	
9·8	34	26·2	32·0	
10·0		30·5	16·7	
10·3		30·9	59·2	
9·8	35	15·0	28·0	
9·6		16·0	4·4	
9·5		36·0	36·1	
9·8		37·5	14·1	
9·8		44·0	10·2	
9·8		47·5	16·0	
10·0		53·0	40·7	
10·5	36	9·5	14·8	
9·8		52·0	39·4	
6·4		56·0	3·7	6·0 GStπ
10·0	37	16·0	13·5	
10·4		40·5	49·2	
9·2		53·5	45·3	9·2
9·8	38	9·5	19·0	–
8·7		34·5	55·0	8·6
10·5		48·0	22·1	
9·3		55·0	37·9	
9·3		56·0	52·0	9·0
10·0	39	26·5	53·8	
10·5		32·8	26·9	
10·0		36·0	15·3	
10·3		49·0	44·5	
9·6		51·5	25·6	
8·9		57·5	30·3	
10·0	40	29·0	46·0	
8·4		36·5	39·9	9·0 –
9·2		44·0	8·3	
8·0	41	8·5	45·3	8·5
10·3		8·5	10·2	
9·2		13·0	14·8	–
8·8		17·5	27·6	
10·2		27·5	30·0	
10·4		44·6	46·5	
9·6	43	4·3	25·3	9·0 –
9·6		5·3	12·1	
9·2		15·3	43·8	9·5
9·6		32·3	12·0	
9·4		40·3	39·6	
9·6		45·8	47·3	
9·2	44	13·3	36·7	
8·9		33·8	50·3	
10·0		41·8	53·5	
10·5		58·8	36·3	
8·8		59·8	4·8	9·0 –
8·4	45	25·3	55·1	8·8
9·8		26·3	20·9	
9·8		27·3	40·3	
9·8		31·3	7·2	
10·5		47·8	8·5	
10·4	46	12·8	59·1	
9·6		16·3	17·7	
9·8		23·8	27·8	
8·4		37·8	59·6	8·5 G–
10·3		51·8	8·1	
10·0	47	1·8	37·8	
9·6		3·8	28·2	
9·6		9·8	26·2	
	+1	9·6	−7·9	

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3001—3060.

mag.	$10^{h.}$–$11^{h.}$ m	s	–32° ′	
10·0	47	12·8	24·6	
8·8		22·8	19·4	8·5 –
10·2		29·8	23·1	
9·6		53·8	16·9	
8·8	48	14·3	7·6	9·0
9·6		23·8	45·1	
10·0		23·8	55·4	
9·5		33·8	50·2	9·0
10·5		43·8	9·8	
8·8		59·8	32·2	9·0 –
10·0	49	25·8	25·5	
9·4		26·8	55·9	
10·4		56·8	57·0	
10·0	50	0·8	7·7	
8·4		2·8	23·7	9·0
10·4		5·5	39·1	
9·8		5·5	33·0	
10·3		14·0	39·8	
8·4		49·5	52·1	9·0
8·9		54·5	40·0	9·0
10·0		56·5	56·4	
10·5	51	6·5	57·9	
8·9		18·5	37·4	
9·3		26·0	50·2	
9·2		27·5	48·8	
9·8		31·5	35·0	
9·8		39·5	37·6	
10·0	52	34·0	6·7	
10·5		42·5	32·3	
10·5	53	10·7	9·4	
9·6		23·5	9·8	
10·0		28·5	23·4	
8·0		39·0	24·3	8·0 G–
8·9		41·5	22·4	10·0 –
9·8		41·5	52·4	
9·8		49·0	11·6	
9·8	54	4·2	2·2	
9·3		13·5	35·8	
10·3		25·5	27·2	
9·0		26·5	6·5	
9·8		26·5	25·6	
10·0		40·0	15·8	
10·5		49·5	4·0	
10·4		52·7	9·1	
9·2	55	14·0	25·6	
9·6		15·5	2·8	
10·0		16·5	34·6	
9·2		22·0	52·1	8·8 G
9·8		25·5	29·4	
9·8	56	43·5	4·1	
10·3	57	8·0	36·7	
10·4		53·5	18·0	
8·4		56·5	46·3	7·5 GS–t
10·2	58	5·5	37·8	
10·3		20·5	23·1	
9·8		41·5	41·3	
10·4	59	8·0	10·2	
9·0		21·3	24·5	–
9·6	0.	7·8	39·8	
8·5	1.	15·8	52·9	8·2 W–
25pr.	+1	10·7	–8·0	

3061—3120.

mag.	$11^{h.}$ m	s	–32° ′	
9·4	1	39·8	53·3	9·0
9·3	3	38·3	22·1	
9·5	4	2·6	2·2	
9·5		2·8	36·6	
10·0		22·0	31·6	
9·2		51·8	19·8	
9·2		53·6	1·9	
9·6	5	11·8	28·0	
10·2	6	2·8	18·0	
8·8	7	12·8	35·7	
10·2		18·3	12·9	
9·2		51·8	34·6	9·5
9·4		58·3	6·2	9·0 –
10·2	8	8·0	42·9	
8·9		9·8	17·9	9·0
10·0		20·3	19·2	
9·8		28·8	9·9	
9·8		42·8	15·9	
7·4	9	2·3	38·2	7·0 GS–t
9·0		33·3	50·9	
9·0		53·3	1·1	8·5 –
7·4	11	35·8	51·2	7·0 GSt
8·9	12	25·3	27·3	
9·3		54·0	59·2	8·8 –
10·2	13	3·8	59·4	
10·2		27·0	4·1	G
9·5		44·3	25·3	
9·8		49·3	16·1	
9·6	14	30·5	59·9	
9·4		31·0	15·4	
10·0		35·0	48·0	
9·2	15	31·0	55·9	9·5
9·0		45·5	56·6	9·5
8·4		46·5	36·9	8·5 –
9·2	16	52·0	5·4	10·0 –
9·4	17	30·0	48·9	
9·6	18	30·0	43·2	
9·4		57·0	52·0	
10·2	19	31·0	9·9	
9·6	21	8·8	0·6	
10·2		47·7	10·0	
9·6		57·9	43·4	
10·0		58·1	55·4	
9·6	22	2·5	16·7	
9·2		3·0	48·0	9·0
9·2		22·6	53·7	10·0
9·7		25·6	24·3	
9·9		52·8	28·0	
8·8	23	8·4	44·3	9·2
8·2		18·9	29·3	8·8 –
10·4		32·7	22·8	
9·8	24	25·7	22·6	
8·8		27·2	42·6	9·5
8·6	25	26·7	56·6	9·5
9·6		42·0	0·4	
9·8	26	13·2	42·7	
7·7		26·7	15·4	8·5 =
9·8		50·7	39·8	
9·9		52·7	11·1	
8·2	27	43·7	6·4	9·2
	+1	12·7	–8·2	

3121—3180.

mag.	$11^{h.}$ m	s	–32° ′	
10·2	28	14·2	17·3	
6·7		25·2	10·0	6·5 GSπβ
9·6		47·7	48·9	9·0
9·9		53·2	15·1	
7·0	30	23·7	52·7	6·5 GSπβ
8·2		28·2	14·1	8·5 –
7·0		49·7	17·6	6·6 GStπ
9·6	31	15·7	43·0	
9·4		27·2	37·9	
9·7		35·5	59·5	
10·4		35·5	21·1	
7·1	32	9·7	54·9	7·4 GStπ
7·4	33	44·7	45·3	7·5 GS–
10·4		59·5	20·7	
8·4	34	32·2	45·4	8·7 –
9·8	36	25·7	26·4	
10·2	37	3·7	37·4	
9·4		16·7	14·4	
10·4		26·7	49·4	
9·7		33·2	32·0	
10·4		50·7	41·0	
10·2	38	10·7	52·9	
10·2		14·7	18·9	
10·4		31·5	2·4	
10·2		33·7	34·0	
9·8		53·2	56·6	
10·0	39	33·2	20·4	
7·7	40	49·7	54·0	8·5
9·2		51·7	26·8	
9·0		56·7	7·4	–
8·8		58·7	42·8	8·8
9·6	41	21·3	28·4	
8·6		54·2	38·9	9·0
10·2	42	43·2	9·3	
10·2		55·2	54·3	
9·8	43	11·7	5·5	9·0 –
9·6		22·7	0·9	9·0 –
10·4		26·7	35·1	9·0
10·4		34·7	21·0	9·5
7·7	44	25·2	26·6	7·8 GS=
9·4		41·7	31·4	9·0 –
8·8	45	2·2	35·9	9·0
9·0		18·8	8·7	9·2
10·2		23·3	30·0	
8·4		24·0	7·6	9·0 –
10·4		33·0	45·6	9·0
10·2		53·2	19·1	
9·6		57·9	23·8	
7·9	47	4·9	57·9	8·5 –
8·4		45·4	59·8	8·5 –
8·8	48	37·4	21·8	9·0 G=
8·2	49	6·9	45·2	8·0 G=
9·6	50	5·1	27·9	
6·6		43·4	37·1	6·5 GS=t
9·6	51	1·1	3·2	
9·6		1·1	19·0	
8·4		14·4	15·7	8·0 G–
9·5		52·9	45·2	
8·4	52	4·4	26·7	9·0 G
9·6		15·4	37·7	
	+1	15·1	–8·3	

3181—3240.

mag.	$11^{h.}$–$12^{h.}$ m	s	–32° ′	
8·8	53	6·4	31·5	
9·6		10·7	15·0	9·5 –
9·6		16·1	56·9	
9·6	55	26·4	52·4	
9·6		28·9	51·2	
9·0		39·9	54·1	9·5
9·6	56	22·9	4·4	–
9·6		32·7	2·5	
9·6		47·4	6·1	
9·0		47·7	58·4	
9·5		54·9	18·4	9·5
9·5		56·9	51·7	
9·4	57	39·9	32·9	
9·6		47·1	11·2	
7·8	58	25·9	6·4	8·0 S=
9·0	59	16·4	55·0	
7·0		40·9	15·4	7·0 GS≡t
8·4	0	7·4	42·4	9·5
8·8		46·9	11·7	G
9·6	1	1·9	48·6	
9·6	2	38·1	5·3	
8·8		38·4	23·3	8·5 W–
7·4	3	20·9	47·4	8·0 GS–
8·2		32·4	32·3	9·0 G–
9·5	4	11·4	12·3	
7·8		24·9	46·3	8·0 G
8·4		44·4	30·4	8·2 G
8·6	5	2·4	55·6	8·0 G
9·5		33·9	26·2	
7·2	6	1·9	42·7	7·5 GS
9·6		1·9	7·7	
9·6		29·4	42·6	8·8
9·4		36·6	4·6	
9·6		44·1	51·4	
7·8		45·1	38·2	7·7 G
8·8		48·1	36·7	8·5 G
8·6	8	0·1	59·1	8·2 G
9·6		11·1	55·3	
9·4	9	16·1	46·2	
8·3		31·4	31·6	9·0 –
9·4		54·1	53·7	
9·4	11	5·6	34·9	
8·6		8·6	32·6	9·5
9·4		37·8	59·7	
9·5	12	19·6	33·7	
7·9		28·1	35·9	8·2 G–
9·4		31·6	14·6	
9·6		32·4	35·9	
9·5	13	24·1	43·1	9·5
9·6		37·1	45·7	
9·6		57·1	43·0	
9·2	14	12·6	36·3	
9·4		17·1	59·0	9·5
9·1	15	8·6	27·9	
8·4		41·6	37·6	9·0 –
8·0	16	4·6	52·1	8·3 GW–
8·7		23·6	17·2	
8·8	17	43·6	25·9	
9·1		51·4	13·4	
9·2		58·1	11·0	
	+1	17·3	–8·4	

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3241—3300.

mag.	12h. m	s	—32° ′	
9·4	18	26·6	45·9	
9·6		35·1	9·3	
8·2		37·1	23·9	9·0 –
9·6	19	4·6	11·2	
9·6		55·7	59·1	
9·2		57·1	34·4	
9·2		59·6	2·5	
8·6		59·6	23·6	
9·5	20	9·0	59·1	
6·4		16·3	8·2	5·8 GStπ
8·3		19·3	17·2	8·8 –
9·0		25·3	22·1	9·0
8·5		46·8	5·1	8·0 Gtπ
9·6	21	12·8	52·8	
9·5		34·3	32·9	
8·7		52·8	52·0	9·5
8·3	23	29·8	38·1	8·0 G
9·5	24	7·8	31·8	
8·0		57·2	58·8	8·5 GW–
8·8	25	47·3	53·3	
8·3		55·3	29·7	9·0 –
8·5	26	15·8	29·1	9·0 –
9·4		28·3	50·6	
8·8		45·3	3·6	
8·9	27	5·3	34·7	W–
9·0		31·3	20·3	
9·6		41·3	43·0	
9·4		56·8	25·9	
9·2	28	25·8	34·5	
9·3		52·0	6·9	
9·5	29	16·8	28·1	8·8 –
8·8		20·8	25·3	9·0 =
9·0		27·8	38·0	
8·4		32·3	14·6	8·5 –
9·6		35·8	6·7	
8·7		43·1	59·5	9·0
8·8	30	9·8	42·9	9·5 G
9·6		17·8	17·3	
9·6		50·3	22·4	
9·1	31	0·3	4·7	
9·6		1·0	49·3	
9·4		43·8	10·0	
9·6		45·3	46·7	
9·6		49·0	41·8	
9·5	32	35·8	20·7	9·0
8·7		35·8	2·2	9·0 –
9·5	33	3·3	41·0	
9·5		5·8	8·3	
9·3		24·6	36·2	10·0
8·7		30·3	35·2	9·0 –
8·8	34	0·9	10·6	–
8·0		36·0	45·4	8·1 G–
8·4	35	16·0	49·2	8·7 G–
9·7		42·5	15·0	
9·8	37	44·5	10·5	
9·8		54·5	7·6	
9·8	38	34·0	23·8	9·5
9·2	39	37·0	26·0	9·5 –
7·7	40	2·0	37·8	6·5 GS–
9·4		39·0	10·1	
25pr.	+ 1	19·5	– 8·3	

3301—3360.

mag.	12h.–13h. m	s	—32° ′	
9·3	40	58·5	36·2	
8·8	41	31·0	27·9	9·5
9·8		38·8	58·5	
9·8	42	6·5	9·2	
9·9		15·5	29·5	
8·4		23·0	4·8	8·3 –
9·0		29·5	21·7	9·0
9·4		57·5	22·3	
9·4	43	2·5	5·0	
8·0		9·3	49·5	8·2 –
9·9		16·8	54·7	
8·1		33·3	55·7	8·0 –
9·2	44	11·3	53·3	
8·8		36·3	31·3	9·2 –
9·3		55·3	17·7	
8·3		57·8	39·9	8·7 –
8·2		57·8	46·9	9·0
8·8	45	22·8	38·2	9·2 –
9·6		34·5	26·3	
9·4	46	32·3	10·3	
9·9		47·3	57·5	
9·1		48·3	41·3	9·0 –
8·8	47	1·3	6·3	9·5
8·0		4·3	29·3	8·8 =
9·6		6·3	28·7	
9·9	49	40·3	52·7	
9·8	50	37·5	37·5	
8·2		40·0	28·7	7·8 GW=
9·0		57·5	29·7	10·0
8·4	51	11·5	41·8	–
8·1		31·5	8·8	8·5 G
9·3		52·0	50·9	
9·0		52·5	28·6	
8·6	52	2·5	42·8	8·0 G–tπ
8·8		36·0	48·3	9·5
9·9	53	7·0	49·6	
8·6		17·5	17·9	8·8 –
9·9		19·5	48·2	
9·2		41·5	38·5	
7·0		42·5	49·7	6·5 GStπ
7·5		44·5	22·4	6·8 GS–
7·1	54	12·0	57·0	6·9 GStπ
7·9		14·5	48·2	7·7 GS–π
8·6	55	23·0	30·8	9·0
9·3		36·0	50·8	
9·9		56·5	0·3	
9·4	56	2·5	6·2	
9·7		37·0	57·8	
8·8	57	51·5	24·1	9·0 –
8·0		58·5	27·9	8·2 G=
9·0	58	51·3	0·1	9·5
8·9	0	20·1	59·4	
9·1		36·1	48·0	
9·0		43·6	28·8	9·0 –
9·6	1	37·6	12·4	9·5
9·2		57·1	16·6	9·5
9·3	2	6·6	26·0	
7·6		6·6	50·0	7·5 GS–
9·1		12·1	49·2	
8·4	3	25·6	8·2	8·2 –
	+ 1	21·5	– 8·2	

3361—3420.

mag.	13h. m	s	—32° ′	
9·6	4	53·1	19·8	9·5
9·1		56·1	12·8	9·5
8·9	5	33·1	28·4	
8·2	6	16·1	57·1	9·0 =
9·6		32·1	10·0	
9·3		33·6	8·2	9·5
9·6		49·6	23·8	
8·2	7	7·1	43·4	8·5 –
9·1		35·6	4·4	
9·1	8	30·1	51·4	
9·0		46·6	11·4	
9·2		55·6	22·0	
8·7	9	27·1	37·4	8·5 G
9·7		54·1	17·0	
9·0	10	17·1	44·0	9·0
9·6		39·1	45·6	
9·1		39·1	23·8	
8·4		42·1	32·8	9·0
9·0		57·6	45·7	8·0 G–
9·1	11	2·6	56·0	
9·2		17·9	1·0	
8·8		40·1	25·8	9·0 =
9·0	12	38·6	50·8	9·7
9·6		52·1	45·4	
9·4	13	27·1	21·5	
9·0		30·6	46·0	9·0
9·2		51·6	14·8	
9·4	14	42·1	48·8	9·5
9·2		42·1	39·6	
9·6		46·1	29·6	
8·9	15	20·6	59·6	8·8 –
8·8		41·6	11·4	–
8·1	16	8·1	32·1	7·0 GS
8·2	17	41·9	1·0	7·5 G–
9·7		46·3	37·4	
8·7		47·1	47·8	7·5 G–
9·7	18	18·7	23·5	
9·2		40·2	32·4	9·0 –
9·7		56·0	8·7	
8·9	19	2·7	27·4	9·0
9·1		18·7	14·5	
9·0		22·7	38·9	
8·3	20	15·7	5·0	9·0 –
9·7		45·7	29·8	
7·8	21	2·2	37·5	8·2 –
8·5		32·0	49·9	8·2 W–
9·7		51·5	47·0	
10·4		52·3	32·2	
10·4	22	6·9	45·0	
10·3		44·0	9·3	
8·4		52·8	12·6	8·5 G–
10·4	23	2·3	24·9	
9·9		2·5	22·0	9·0
9·3		3·3	19·1	9·5
10·4		12·3	58·9	
8·1		20·5	40·9	8·5 –
10·4		26·9	10·0	
10·4		46·4	51·1	
10·4		53·9	38·4	
9·8	24	16·4	19·8	
	+ 1	23·6	– 7·9	

3421—3480.

mag.	13h. m	s	—32° ′	
10·4	24	18·9	27·1	
9·2		21·9	11·7	
10·2		25·9	32·2	
8·2	25	10·4	36·3	8·0 G–
8·9		13·9	19·0	–
10·4		27·9	39·8	
10·4		38·4	8·4	
10·4		52·2	0·1	
9·6	26	6·4	47·5	
10·4		22·4	12·4	
9·8		22·4	23·0	
10·4		35·9	40·8	
8·8		35·9	52·2	9·0
10·4		39·9	2·2	
10·0		42·9	40·9	
9·6		55·9	4·0	
9·9	27	32·4	16·8	
7·4		37·9	40·1	6·5 GS–
10·4		40·4	35·0	
10·4		44·4	1·0	
8·8	28	32·4	9·7	8·0 –
10·4		55·4	27·8	
8·8	29	1·4	50·3	8·5 –
9·9		26·4	10·0	
9·2		59·4	8·0	
10·4	30	59·9	1·7	
7·0	31	42·9	28·3	7·0 GS≡t
10·4	32	12·1	3·3	
9·6		23·1	36·0	
9·6		29·6	56·2	
10·0		46·6	53·1	
9·6		48·6	42·5	
9·6	33	23·1	29·8	
10·4		47·6	47·5	
9·2	34	7·1	22·9	
9·2		19·8	1·1	
9·6		21·6	41·5	
7·0		36·1	57·9	7·2 GS≡
10·4		36·8	36·7	
9·2		39·6	36·3	
9·6		58·1	30·6	
10·0	35	6·6	48·2	
8·9		6·6	38·7	9·0
9·2		10·1	47·2	9·0
10·4		14·9	2·1	
10·4		40·6	20·1	
8·2		42·3	2·3	7·8 G–
10·3	36	10·1	57·9	
9·4		17·6	18·4	
9·4		37·1	32·1	9·0 –
9·6		52·6	16·4	9·5
8·6	37	6·6	34·1	9·0 –
10·4		7·1	12·1	
10·4		12·2	0·6	
10·4		13·6	37·3	
8·9		50·1	34·8	9·2
8·4	38	6·1	38·7	8·0 G=
10·4		26·1	11·8	
4·9		36·1	24·6	5·0 GSπβ
10·4		42·6	30·4	
	+ 1	25·2	– 7·7	

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3481—3540.

mag.	13h. m s	—32° ′	
8·7	38 48·5	46·1	9·0
9·4	52·0	50·3	8·5
10·4	39 3·5	2·1	
10·4	6·5	28·1	
10·4	6·9	29·2	
10·4	9·9	17·1	
9·6	19·0	40·1	
8·7	21·0	6·6	9·0 –
10·4	21·5	59·5	
10·4	34·5	25·7	
9·8	52·0	16·1	
9·9	40 2·0	50·1	
10·4	36·0	6·2	
8·8	37·0	47·9	8·8 –
10·4	42·5	31·1	
10·4	41 1·5	36·8	
9·4	16·0	56·5	
10·4	37·0	42·3	
9·6	47·0	44·1	9·0 –
7·7	42 48·5	2·7	8·0 G
9·6	55·0	32·9	
8·4	43 15·5	33·3	8·2 G–
8·8	33·0	41·3	9·0
10·4	36·2	0·3	
10·4	45·5	29·8	
9·0	44 5·0	37·4	9·0
9·9	11·5	25·1	
10·4	18·9	48·1	
10·0	27·0	11·1	
9·6	30·5	41·5	
10·4	33·9	37·2	
4·1	37·0	22·4	4·8 GSπβ
8·9	43·0	34·0	9·0
8·6	45·5	30·3	9·0
9·6	56·0	43·1	
10·0	56·0	25·1	
9·9	58·5	23·9	
8·8	45 12·2	54·2	
10·4	27·5	4·0	
9·6	38·5	34·7	
9·8	39·0	5·3	
9·4	46 2·0	49·9	
9·4	6·5	58·3	
8·5	21·0	57·9	–
8·6	36·0	4·9	
8·4	54·2	31·5	8·5
9·5	47 36·0	46·4	
9·5	43·0	19·7	
9·0	48 2·5	46·7	
8·6	10·5	12·1	9·5
8·4	25·0	7·3	8·0 G–
8·8	30·0	9·7	8·5 –
8·1	45·5	8·4	7·8 G–
8·8	49 53·5	39·1	
9·4	55·5	44·7	
9·2	57·5	43·2	
9·3	50 42·0	2·1	
9·5	51 37·5	11·0	8·5
8·7	40·0	31·5	9·0
9·5	52 2·0	19·5	
25pr.	+1 26·2	–7·5	

3541—3600.

mag.	13h.-14h. m s	—32° ′	
9·3	52 23·0	17·0	
7·5	27·0	55·9	8·2 G–
8·9	56·0	19·7	
9·0	53 8·0	27·1	9·0
8·7	48·5	8·8	9·2
8·4	56 2·0	50·3	8·3 G–
8·6	19·0	52·9	8·7
9·6	37·2	56·7	9·0
8·8	57·2	30·2	
9·5	57 0·7	44·2	
9·5	58 3·2	49·3	
8·0	6·2	4·7	8·0 G–
9·5	46·2	47·6	
8·4	59 13·7	44·8	9·0
9·6	33·1	48·0	9·0
9·0	37·2	0·7	9·0 –
9·0	40·2	51·2	9·5
9·4	53·2	11·8	
8·5	0 42·2	44·3	8·5
8·3	52·2	10·5	8·0 –
8·3	1 2·2	47·8	8·5
8·0	2·7	27·4	7·5 GW–
9·6	2·7	31·7	
9·2	23·0	1·7	
9·0	23·2	53·2	
8·8	30·2	59·4	9·0 –
8·9	39·7	28·0	9·0
8·9	50·2	30·8	8·5
9·3	56·2	36·0	9·5
9·6	2 23·2	14·6	
8·7	27·2	36·9	9·0
9·1	38·7	43·1	
9·6	52·2	21·2	
9·1	3 1·2	0·2	
8·3	13·2	38·6	7·8 G–
8·9	17·2	31·2	8·8
9·1	30·2	3·0	
8·6	43·2	52·1	9·0
8·9	47·7	35·2	9·5
9·6	48·2	14·2	
9·1	4 26·2	27·8	
9·6	39·2	5·6	
9·5	5 3·2	18·2	9·0
9·4	3·2	19·6	
9·2	13·7	42·8	
8·4	30·7	23·0	8·2
8·0	51·1	58·9	8·0 GW=
7·9	54·6	55·4	8·2 GW=
7·6	6 2·1	55·8	7·8 GW=
8·4	7 13·5	58·5	8·8
8·7	16·4	2·2	9·0
9·3	26·3	27·3	
9·1	29·1	8·5	
8·7	8 0·1	39·2	9·5
9·0	13·6	57·0	
9·5	35·6	46·4	
9·0	46·1	40·4	9·5
9·0	51·1	20·5	8·5
7·4	55·1	39·5	6·5 GS–
9·6	9 58·6	41·9	
	+1 27·6	–7·2	

3601—3660.

mag.	14h. m s	—32° ′	
9·6	10 29·4	38·0	
9·0	36·6	24·3	8·5 –
9·7	38·6	51·4	
8·9	59·4	28·8	9·0
7·0	11 0·4	38·4	6·5 GS–
9·2	9·8	27·5	
9·6	54·6	9·7	9·0
9·1	59·6	52·5	
8·8	12 16·1	21·8	–
9·1	28·1	39·0	
8·6	14 11·6	36·8	9·0
8·8	12·6	35·3	9·5
9·6	15·6	17·7	
9·6	25·1	10·9	
8·6	15 12·6	38·7	8·5 –
9·4	26·1	17·0	
8·6	58·6	14·6	8·5 –
9·1	16 8·6	9·8	9·5
8·4	13·3	7·1	8·8
9·4	20·5	1·1	
7·6	49·8	31·0	7·0 GSk=
7·8	57·8	24·7	8·0 G
9·6	17 10·3	33·6	
9·2	27·3	58·2	9·2
9·0	18 2·3	24·7	
8·0	5·8	24·2	7·5 GS=
9·3	22·3	30·9	
9·7	23·3	30·3	
9·6	24·3	51·7	
9·6	27·3	43·6	
9·4	33·3	26·3	
9·2	42·3	29·6	
7·8	19 0·3	41·0	7·3 GS–
9·6	8·3	22·3	
9·7	9·3	20·1	
9·7	18·3	36·4	
9·0	23·3	41·0	9·0
9·0	20 13·8	46·1	8·8
8·9	22·3	4·4	9·0 –
9·1	30·3	49·8	8·5
8·3	44·3	47·8	9·0
8·6	56·8	56·6	8·5
9·7	21 1·3	24·3	
9·6	12·3	27·4	
8·4	14·3	49·6	8·4 G
9·7	30·3	30·1	
9·7	48·3	43·4	
9·0	58·8	30·4	
9·6	22 6·3	17·5	
8·7	10·3	48·7	8·7 G
9·0	34·3	12·1	
8·9	36·8	37·0	8·5
9·2	42·3	28·1	9·0
9·6	23 17·3	14·7	
9·1	20·3	44·6	
9·6	27·3	8·4	
8·6	27·3	29·2	9·0
9·0	24 13·3	14·7	9·0
9·0	15·3	18·6	
8·9	19·3	0·1	9·0 –
	+1 28·9	–6·9	

3661—3720.

mag.	14h. m s	—32° ′	
9·7	24 30·3	38·0	
9·1	25 27·3	20·5	8·5 –
9·6	36·3	16·6	9·5
9·3	36·4	40·8	
9·0	36·8	11·1	9·0 G
9·6	45·9	30·2	
7·4	57·4	45·8	7·0 GS–
9·1	57·4	18·4	
9·4	26 12·4	28·1	
9·7	38·4	25·3	
9·2	42·4	38·2	
9·3	52·4	38·2	
9·7	27 48·4	23·6	
9·6	49·2	6·4	
9·3	28 6·9	56·2	
9·0	10·4	34·2	
9·6	41·2	8·0	
9·3	44·8	0·8	
9·2	29 21·4	59·6	
9·3	24·9	2·6	
8·2	32·9	38·0	8·0 G–
9·4	30 36·4	31·4	
9·2	36·9	14·2	9·0
9·2	46·9	17·0	
9·7	31 15·9	53·0	
9·2	40·4	32·1	9·0
7·8	43·9	50·2	7·8 GS–
9·4	32 3·4	54·8	
9·7	19·9	44·8	
9·7	32·4	44·9	
9·4	33 28·1	26·5	
9·3	36·9	5·8	
9·7	34 6·6	14·6	
8·7	10·0	34·7	8·0
9·5	17·7	29·7	
7·8	27·7	16·6	8·5 GW–
7·6	42·5	13·7	7·0 GS=
9·8	46·9	26·2	
8·5	35 25·0	16·1	9·0 –
9·9	37·0	18·0	
9·0	36 5·0	39·1	8·5
9·9	14·5	21·0	
9·4	17·0	11·9	
9·3	34·5	43·5	
9·4	48·0	37·8	
9·5	58·5	8·5	
9·6	37 15·0	30·0	
8·6	19·0	27·0	9·2
9·8	47·5	44·1	
9·0	54·0	16·7	9·5
9·0	58·8	12·2	8·8
9·4	38 0·0	4·3	
8·4	17·6	58·8	
9·8	47·3	7·2	
8·6	50·8	35·8	9·5 G
8·5	39 17·8	30·2	9·0
9·3	53·3	6·4	
9·5	56·8	33·7	
9·9	40 3·6	58·7	
9·4	17·8	53·4	
	+1 30·0	–6·6	

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3721—3780.

mag.	14h. m	s	—32° ′	
9·8	40	30·3	52·7	
9·8		31·8	8·9	
9·9		53·3	3·0	
8·9	41	12·8	15·9	
8·6		13·3	6·0	8·6 G–
9·3		21·8	44·2	
9·9		34·8	21·6	
9·6		54·3	42·2	
8·3	42	14·3	27·8	9·0 Gk
9·9		31·3	31·9	
9·9		32·8	31·8	
9·4	43	24·3	49·9	
9·8		27·3	36·1	
9·6		35·8	42·8	
9·9		40·8	17·1	
9·6	44	7·8	8·5	
8·8		47·8	21·5	9·0
9·6		49·3	27·9	
9·0		51·3	5·4	8·8 G–
8·9		52·8	45·1	
9·9	45	6·6	35·0	
9·2		13·1	56·5	
9·4		20·6	25·1	
9·2		31·8	0·8	9·0
8·8		33·8	46·9	
9·9	46	55·8	47·8	
7·7		59·8	47·3	6·2 GSc
9·4	47	17·8	18·1	
9·4		33·3	44·6	9·2
9·8	48	17·8	22·8	
8·7		20·3	33·6	8·5
7·7		53·8	7·7	6·2 GS=t
9·8		58·6	21·1	
9·6	49	6·8	3·8	G
9·8		20·8	4·5	
7·4		43·3	19·6	7·5 GS=
9·6		44·8	22·1	
7·9	50	3·8	19·5	7·8 GSk=
9·4		5·3	37·0	
9·3		6·8	19·6	9·0
8·6		6·8	37·0	9·5
8·8		12·6	46·0	9·0
9·4		26·6	1·5	
9·4		37·1	35·1	
8·8	51	29·1	2·3	9·2
9·2		45·1	18·8	9·0
9·8		49·1	55·5	
9·3	52	13·6	8·7	8·7 G–
8·0		22·6	19·9	8·0 G=
9·0		31·6	39·0	8·5 G
9·4		40·6	34·0	
9·0	53	37·6	43·1	
8·8		47·6	12·1	9·5
8·8	54	22·7	1·1	8·5 GW
9·3		40·6	29·3	
9·5		40·6	30·9	
9·6	55	3·1	40·9	
5·2		20·6	8·9	6·0 GSk=
9·2	56	2·1	20·1	
9·4		17·6	34·5	
25pr.	+1	31·1	–6·2	

3781—3840.

mag.	14h.–15h. m	s	—32° ′	
9·3	56	53·6	53·1	
9·9		59·1	13·8	
9·2	57	19·1	21·1	
9·5_		25·4	13·0	
9·6	58	32·0	19·5	
9·9		47·5	33·3	
8·9		52·8	7·8	9·0 =
7·4	59	33·5	25·4	7·5 GS=
9·6		33·5	49·0	
9·3		34·5	52·7	9·5
9·7		35·5	49·6	
9·7		48·5	33·3	
9·8	0	3·5	17·4	
9·0		5·5	41·2	9·5
9·9		19·0	21·8	
8·6		19·5	43·0	9·2
9·9		26·5	11·0	
9·8		46·5	15·7	
9·6		47·5	26·4	
9·9		50·0	40·9	
8·5		54·0	48·4	9·0
9·0	1	2·5	16·8	
9·3		9·5	29·8	
9·6		10·5	27·0	
9·4		18·5	5·3	
9·6		32·5	8·8	
8·8		33·5	21·2	8·5 =
9·7		40·5	44·7	
8·8		48·0	0·7	9·2 GW
9·6		58·5	27·7	
9·8	2	8·5	30·5	
9·6		10·0	41·4	
9·9		11·0	56·8	
9·8		18·0	27·8	
9·8		25·5	23·7	
9·6		37·0	38·4	
9·5		48·0	3·0	
9·5		59·5	25·8	
8·8	3	11·5	12·5	9·0 –
9·6		14·5	23·9	
9·5		24·0	2·4	
9·3		42·9	57·8	10·0
9·4		48·1	18·1	
9·8		58·1	6·3	
9·7	4	0·1	31·5	
9·8		1·6	12·7	
7·6		14·6	21·3	*8·1*
9·8		18·6	15·0	
9·2		30·1	59·4	
9·9	5	10·5	28·6	
9·5		13·8	59·2	
9·9		18·6	49·7	
9·7		22·6	35·4	
8·5		26·1	51·2	8·5
9·8		30·6	56·0	
9·9		35·6	40·9	
8·3		44·6	40·6	8·8
9·9	6	5·6	57·1	–
9·4		7·6	49·3	–
9·8		8·6	18·1	
	+1	32·0	–5·9	

3841—3900.

mag.	15h. m	s	—32° ′	
9·9	6	28·6	42·3	
9·8		40·6	22·1	
9·9	7	37·6	35·7	
9·8		37·6	40·9	
9·5		46·6	31·0	
9·4		49·1	49·5	
9·8		56·6	49·1	
9·0	8	27·6	12·3	9·0
8·6		28·6	25·5	
9·8		29·6	30·9	
9·4		30·6	1·9	
9·4		39·6	18·3	
9·4		42·6	31·9	
8·8		43·6	11·2	8·8 –
9·9		56·6	46·0	
9·0	9	21·6	21·8	9·0
9·3		43·6	21·1	
9·8		58·6	21·7	
9·6	10	48·6	29·3	
9·2	11	8·3	23·8	
9·2		14·8	35·9	
9·8		17·8	6·1	
9·9		30·8	53·8	
9·6		48·3	4·3	
9·9		52·8	48·7	
9·9		59·8	26·1	
9·4	12	11·3	17·3	
7·9		18·3	24·5	8·5 –
9·6		32·3	37·1	
9·8		34·8	40·2	
9·9		37·8	58·1	
9·4		38·8	10·0	
9·5		48·8	54·7	
9·6		58·8	27·7	
9·7	13	0·8	50·9	
9·4		3·8	24·9	
9·8		8·8	31·9	
9·5		11·3	32·5	
9·4		17·3	54·7	9·5
9·4		38·8	38·9	
9·2		47·8	15·1	
9·4	14	14·3	5·1	
9·9		28·8	26·9	
9·9		30·8	47·3	
9·9		40·3	37·7	
9·6	15	7·3	9·3	
9·9		19·3	3·9	
9·6	16	21·8	35·9	
9·5		34·8	17·1	
9·5		36·8	45·1	
9·6	17	14·8	18·3	
9·6		20·8	7·5	
8·8		26·8	34·1	
9·9		33·8	20·5	
9·9		53·3	5·6	
9·9	18	6·3	7·7	
9·9		9·4	20·0	
9·0		19·4	36·3	
9·5		35·9	29·7	
9·9		49·4	31·7	
	+1	32·7	–5·6	

3901—3960.

mag.	15h. m	s	—32° ′	
9·9	19	1·4	19·1	
9·1		17·4	11·6	
9·3		38·4	11·1	
9·8		47·9	40·7	
9·9		52·3	22·9	
9·6		57·9	4·4	
9·1	20	7·4	4·8	9·5 W
9·7		9·9	30·7	
9·7		10·4	12·5	
9·6		14·4	12·7	
9·5		15·4	50·6	
9·2		19·4	3·3	
9·7		25·4	30·9	
9·5		34·9	50·4	
9·6		37·4	15·3	
9·2		40·4	16·1	
9·8	21	0·9	36·1	
9·9		1·9	37·9	
9·0		14·4	43·1	
9·4		20·8	14·3	
9·1		21·4	22·4	
9·8		34·4	5·5	
9·5		35·9	43·3	
9·5		48·4	40·0	
9·4	22	5·9	38·3	
9·8		14·4	40·0	
9·9		19·4	59·8	
9·9		24·9	50·9	
9·9		35·4	2·9	
9·5		37·9	8·3	
9·7_		41·4	9·0	
9·0		48·2	55·1	
9·7	23	37·7	40·4	
8·4		57·2	11·9	–
7·0	24	2·2	27·1	7·5 GS=
9·1		5·2	32·4	
9·6		26·2	12·1	
8·2		31·2	51·1	8·8
9·0	25	22·2	53·1	
9·7		36·0	38·2	
9·0		42·5	46·0	8·5 W
8·8	26	1·0	57·2	
7·4		21·0	44·8	7·8 GS–
8·8		32·5	31·2	
9·2		44·0	39·0	
9·1	27	31·5	33·6	
9·7	28	3·5	0·0	
6·7		21·5	40·4	6·0 GS=
8·7		35·9	59·1	
8·0		55·0	13·2	8·5 W–
8·6		56·5	9·9	8·8 W
7·9	29	9·5	24·0	8·5
8·2		39·5	4·2	8·5 W
9·4	30	1·0	37·9	
9·7		9·4	25·1	
9·7		27·0	4·7	
9·7		51·4	3·1	
8·6	31	6·5	23·6	
9·6		21·5	1·4	9·5
9·7		43·5	9·8	
	+1	33·3	–5·3	

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3961—4020.

mag.	15h. m s	—32° ′	
8.6	31 51.0	33.8	
9.6	56.5	2.2	
9.2	32 50.5	9.2	
9.7	52.0	24.2	
8.6	55.5	27.2	
9.7	58.5	21.0	
8.3	33 2.5	44.2	8.5
8.2	18.0	14.8	8.8
9.7	20.5	24.0	
9.6	28.0	47.6	
9.2	35.5	38.2	
9.6	59.5	42.1	
9.2	34 26.5	22.2	
9.0	51.5	47.8	
8.6	54.0	26.6	
9.1	58.1	2.1	
9.6	35 3.0	31.2	
8.9	16.1	3.4	8.8
8.6	18.8	57.1	8.8
9.6	25.8	59.6	
9.7	33.9	0.9	
9.1	36 23.1	25.2	
9.1	23.1	11.1	
8.9	27.6	55.1	
9.2	44.1	15.1	
9.6	52.1	40.3	
8.2	37 13.6	26.0	8.5
9.7	15.1	55.1	
9.6	16.8	59.2	
9.1	54.6	50.2	
9.7	38 4.6	10.6	
9.2	6.1	53.9	
9.1	17.1	34.9	
9.4	27.1	5.4	
8.9	38.1	11.0	9.0
9.7	44.1	7.4	
9.4	48.6	9.2	
9.4	57.1	4.9	9.5
8.1	39 16.1	53.7	8.3
9.7	16.1	22.5	
8.1	24.1	13.3	8.2 –
8.6	43.1	44.3	8.8
8.4	49.1	20.7	7.8 G
8.1	57.1	44.5	7.5 G–
9.0	40 12.1	34.3	
9.2	20.9	43.4	
8.9	27.4	44.8	
8.6	27.9	10.9	9.5
8.4	38.9	34.6	
9.0	41 13.9	12.8	9.0 G
9.0	16.9	19.0	
9.1	17.4	10.2	9.0 G
8.9	27.4	49.5	
7.5	50.4	25.3	8.0 GS–
9.7	56.9	27.1	
9.0	42 14.4	43.4	
9.6	30.9	11.5	
9.0	43.6	1.8	
9.6	43 0.4	30.0	
9.2	20.9	57.0	
25pr.	+1 34.1	−4.9	

4021—4080.

mag.	15h. m s	—32° ′	
9.7	43 22.2	20.1	
9.6	26.9	19.2	
8.4	33.4	20.8	8.2
7.8	38.9	18.3	7.2 GS=
9.4	39.4	48.3	
9.2	48.4	3.6	9.0
9.7	44 4.9	35.1	
9.6	19.9	42.0	9.0
9.2	32.9	37.8	
8.3	38.4	58.7	8.8
9.0	47.8	52.5	9.0
9.4	45 0.4	25.2	
9.7	6.4	21.2	
9.7	37.2	38.4	
9.7	37.4	32.7	
9.0	46.9	15.8	9.2
9.7	50.4	28.4	
9.7	46 41.3	58.2	
9.6	57.4	34.2	
9.7	58.2	55.4	
9.7	47 0.2	47.7	
9.7	1.2	20.0	
9.4	46.2	44.5	9.5
9.4	48.7	8.5	
9.4	48 16.2	51.0	
10.0	16.7	14.8	
8.8	17.2	43.1	9.0
10.0	57.7	31.2	
9.5	49 31.9	25.0	8.5
10.0	33.2	26.1	9.5
8.2	35.7	25.0	8.0
9.4	56.7	6.5	9.0
10.0	50 27.7	13.7	
10.0	31.2	55.6	9.5
9.4	37.2	29.5	9.0
9.4	57.2	16.0	
7.4	51 23.7	39.0	7.0 GS–t
8.7	56.7	18.1	8.0 –
10.0	52 40.7	13.9	
10.0	53 5.7	32.8	
8.0	7.7	19.9	8.0 G=
9.2	12.2	33.4	
10.0	32.7	7.1	8.5
8.7	54 18.7	29.2	8.0
9.6	24.2	9.4	
9.1	26.2	3.0	8.6
9.5	55 3.2	18.9	
7.6	51.7	43.1	7.5 GS–
9.2	56 14.2	6.1	
9.8	16.7	49.8	
7.2	19.7	51.8	6.5 GS–
10.0	23.6	34.2	
9.4	34.1	3.6	
8.7	57 22.6	33.0	8.8
8.1	44.6	30.6	8.0 G
8.8	53.1	22.0	8.5
10.0	57.6	31.0	9.5
8.7	58 30.6	33.2	8.5
10.0	59 4.1	49.0	9.3
7.4	11.6	48.4	7.9 GS–
	+1 34.8	−4.5	

4081—4140.

mag.	15h.–16h. m s	—32° ′	
10.0	59 26.6	22.6	
10.0	0 48.1	14.4	
10.0	52.6	30.6	9.0
9.2	1 1.1	44.1	9.0
10.0	28.1	21.6	
10.0	29.1	3.5	
7.4	34.1	18.8	6.5 GSct
8.7	40.1	23.8	9.0
10.0	55.6	50.6	
9.0	2 6.1	24.4	9.0
9.6	32.6	47.6	
8.7	38.1	25.8	9.0
9.1	3 15.1	18.7	
9.1	4 19.1	3.1	
9.8	32.6	35.2	
9.1	33.6	5.9	9.5
10.0	36.1	53.3	
10.0	57.1	40.8	
10.0	5 33.3	32.8	
9.6	33.8	59.5	
8.6	45.6	35.3	8.5
9.8	54.1	45.4	
7.0	6 22.6	41.4	6.5 GS–
9.8	37.6	5.4	
9.6	37.6	9.0	
9.2	46.1	56.4	
8.8	46.6	34.2	9.0
8.8	59.1	7.7	8.0 G
9.8	8 1.1	46.1	
10.0	7.3	15.2	
8.8	26.6	15.8	9.2
9.0	45.6	25.6	
10.0	54.1	22.5	
10.0	9 54.9	19.3	
7.8	10 20.1	38.9	8.0
9.9	26.5	23.6	
9.8	11 2.7	49.6	
9.9	13.7	0.2	9.5
9.3	44.2	36.0	9.0
9.9	50.2	55.2	
9.9	12 26.2	13.4	
8.6	36.2	48.2	9.0
9.4	39.2	37.0	
9.7	45.2	24.3	
9.9	45.7	47.5	
9.8	13 4.2	29.9	
9.9	12.3	43.1	
7.8	31.7	56.0	7.0 GS
9.4	47.2	11.0	9.0
8.8	53.7	54.8	9.0
9.8	14 21.7	7.3	
9.2	22.8	2.0	8.0
9.0	24.2	49.7	8.0 G
9.0	31.7	0.8	8.5
9.1	32.2	11.2	
9.9	59.2	6.9	
9.2	15 14.2	31.1	
9.8	36.2	18.7	
7.0	54.0	54.2	6.6 GS–
8.8	54.2	52.6	9.0
	+1 35.6	−3.9	

4141—4200.

mag.	16h. m s	—32° ′	
9.6	16 0.0	32.7	
9.3	28.0	49.7	
9.9	44.5	7.8	
9.9	17 45.5	20.0	
9.9	18 3.7	59.6	
9.9	33.0	57.6	
8.3	44.0	47.0	9.0
9.9	19 3.0	6.6	
9.8	15.5	52.6	
9.4	29.2	0.2	10.0
9.8	33.0	10.0	
9.8	36.0	57.0	
9.7	43.5	45.6	
8.8	20 34.0	21.8	9.5
9.6	21 6.0	25.7	
8.8	30.5	8.0	9.0
9.9	53.0	46.6	
9.6	22 4.0	3.4	
9.6	4.0	45.1	
9.9	16.0	29.7	
9.6	34.0	24.8	
9.9	40.5	22.8	
9.7	47.5	38.4	
9.2	23 9.0	21.0	
9.0	29.5	35.2	
9.9	43.0	19.1	
9.2	24 7.5	57.3	
9.2	23.0	18.6	
9.4	24.5	5.4	
9.0	36.5	52.7	
9.9	36.5	12.2	
9.8	25 26.5	39.0	
9.3	38.5	29.1	
9.9	49.0	8.2	
9.4	50.1	2.9	9.0
9.8	26 6.0	40.0	
9.9	7.0	29.0	
9.9	18.5	43.5	
8.8	27.0	34.9	9.0
9.9	38.5	31.9	
9.6	52.0	4.9	
9.7	27 6.5	22.9	
9.9	15.8	8.8	
9.9	25.0	8.9	
9.6	28 2.0	24.3	9.5
8.4	36.0	59.0	8.5
8.8	44.5	11.8	9.0
8.3	51.0	45.1	9.5
9.1	29 10.0	53.3	9.0
9.3	19.5	7.2	
8.5	30.5	37.7	8.5 –
9.9	56.3	59.8	
9.6	30 4.3	50.5	9.5
9.1	6.3	24.9	
9.9	14.3	18.2	
8.8	18.8	4.9	8.8 –
9.8	22.8	20.2	
8.8	44.0	58.0	9.5
9.9	53.8	10.9	
9.9	55.8	13.7	
	+1 36.3	−3.4	

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4201—4260.

mag.	16h. m	s	—32° ′	
8·6	30	56·8	52·8	9·0
8·8	31	39·6	44·4	9·0
9·9		47·8	7·5	
9·2	32	1·7	57·2	
9·9		5·3	24·1	
9·2		6·3	47·7	
9·9		16·3	54·2	
9·1		50·3	53·1	
9·9		57·3	3·5	
9·4		57·4	2·3	
9·2	33	19·6	26·2	10·0
9·8		22·8	42·0	
9·0		29·8	4·5	9·0 G–
7·5		38·8	34·5	8·0 GS–
7·1		40·3	53·9	6·5 GS
8·8		43·6	51·0	8·5
8·2		46·6	33·9	8·5 W–
10·0	34	4·1	23·8	
8·9		13·2	32·7	9·0
9·6		24·2	32·4	
8·2		28·9	3·4	8·5
8·2		42·9	26·6	8·5 –
9·9*		46·1	32·3	
9·4		46·9	23·8	10·0
10·0		52·4	13·0	
10·0	35	25·9	6·0	
10·0		36·0	47·9	
10·0		36·9	54·6	9·0
9·8		49·9	47·4	
8·9		52·9	19·6	9·0
9·2	36	31·9	20·3	
8·8		34·4	14·6	8·5
9·8	37	4·4	41·0	
9·4		7·4	23·9	
8·2		13·4	23·6	9·0
8·2		26·5	16·1	8·5 –
9·6		50·5	8·8	
9·4	38	10·0	35·3	
7·9		36·0	43·0	8·0 GS–
10·0	39	6·5	45·0	
10·0		33·5	47·3	
9·0		42·0	57·6	9·2
9·5		50·5	50·8	8·8
10·0	40	6·5	43·1	
9·8		22·0	4·0	
9·1		29·5	42·0	
8·4	41	6·5	32·6	9·5
10·0		25·5	47·5	
8·7		55·5	14·8	9·0 –
9·6	42	44·5	39·3	
10·0		56·3	58·4	
8·8	43	10·0	44·0	9·5
10·0		17·5	42·4	10·0
9·0		29·0	33·2	9·0
8·9		36·0	19·3	
9·0		53·5	51·3	10·0
10·0	44	13·5	34·1	
10·0		22·5	18·0	
9·8		25·0	46·6	
8·6		39·7	31·2	9·5
25pr.	+1	36·7	–3·0	

4261—4320.

mag.	16h. m	s	—32° ′	
10·0	44	46·7	37·5	
9·2	45	10·0	9·9	10·0
9·4		12·0	8·2	9·5
9·4		22·0	43·1	
9·8		27·0	47·8	
9·8		29·7	39·7	
8·8		30·0	8·0	9·5 –
9·4		32·0	33·0	
10·0		34·0	4·3	10·0
10·0		56·5	41·0	
10·0	46	20·5	49·0	
9·2		53·2	2·5	
9·2		54·0	46·0	
10·0	47	6·0	5·4	
8·7		10·0	25·3	–
7·7		22·5	17·8	7·0 GS=c
10·0		22·5	53·0	9·0
10·0		22·5	52·2	10·0
9·4		31·0	11·4	
9·5		36·0	43·2	
8·6		36·5	55·6	8·5
10·0		56·0	48·3	
9·4	48	17·0	11·6	
9·4		22·0	32·7	
9·5		27·0	33·6	
10·0		31·8	11·8	
8·4		36·5	57·0	8·5 G
7·8		53·0	8·2	7·5 GS–c
10·0		56·0	57·8	
8·9		57·0	16·7	
8·7		59·5	13·2	
9·6	49	5·0	9·2	
10·0		21·0	40·0	
9·8		29·5	34·8	
9·8		44·5	43·0	
10·0	50	13·0	3·8	
8·7		13·0	51·0	8·8 GS
9·6		13·5	12·4	
10·0		15·8	29·5	
8·4		22·5	45·6	9·0 –
9·6		25·5	30·0	
9·2		27·0	10·1	9·5 –
10·0		28·0	55·2	
10·0		31·0	24·0	
8·4	51	15·0	43·3	9·0
9·8		19·5	33·0	
10·0		31·5	24·7	
10·0		31·5	30·0	
8·8		59·5	0·2	9·5
10·0	52	1·7	58·5	
10·0		20·0	43·8	
8·4		22·5	54·8	8·3
10·0		26·5	41·0	
9·8		43·0	0·8	
9·2		48·0	50·0	8·8
8·9		56·0	35·9	9·5
9·2	53	19·0	42·7	
9·8		22·8	34·5	
7·9		30·5	27·5	8·0 –
8·7		37·8	14·8	8·5 –
	+1	37·1	–2·5	

4321—4380.

mag.	16h.–17h. m	s	—32° ′	
10·0	53	39·8	57·7	
10·0		52·8	14·1	
7·4	54	22·3	4·4	8·0 GStπ
9·4		37·8	40·3	
9·2		38·8	29·0	
10·0		48·8	12·4	
8·0	55	3·3	40·7	8·5 –
10·0		7·8	42·9	
8·6		26·8	25·8	8·5
8·2	56	16·3	8·2	8·8 –
10·0		22·8	35·9	
10·0		28·3	9·3	
10·0		30·3	7·5	
9·8		59·8	33·7	
9·8	57	1·3	41·1	
9·2		4·8	27·5	
8·8		5·6	2·3	9·0 G–
9·8		9·1	5·9	
9·1		23·8	47·5	8·5 –
9·5		43·6	21·7	
10·2		54·3	45·4	
9·7		55·3	33·4	
10·3		59·3	53·2	
8·4	58	1·5	52·9	9·0
10·2		16·3	7·0	
10·3		44·3	52·1	
8·8		44·8	57·1	9·5
10·0		49·3	16·1	
10·3	59	3·8	34·2	
10·3		8·3	35·2	
10·2		19·3	53·4	
10·3		44·3	28·6	
9·8		54·3	46·9	
9·8		58·1	27·4	9·2
9·6		59·1	32·0	
10·2	0	0·3	2·9	
9·7		0·8	24·0	8·2 G–
9·7		14·1	37·9	
9·2		32·1	16·6	
9·4		33·6	49·9	
10·2		34·0	53·9	
10·3		49·1	36·3	
10·3		55·6	27·2	9·0
10·0	1	4·1	19·0	
10·0		21·1	53·3	
10·3		33·6	7·0	
10·3		56·6	51·8	
10·3	2	15·6	47·0	
8·4		16·6	51·6	8·8
10·2		18·1	45·4	
8·4		18·1	27·4	8·5 –
10·3		25·6	29·4	9·5
9·0		31·1	43·6	9·0
10·3		41·6	13·8	
10·1		42·6	40·0	
10·1		48·1	21·2	
10·1		58·1	34·0	
10·3		58·1	54·0	
9·6	3	0·1	54·2	
10·2		4·6	9·0	
	+1	37·4	–2·2	

4381—4440.

mag.	17h. m	s	—32° ′	
9·1	3	4·8	2·0	8·5 G
9·1		10·1	10·0	8·1 G=
8·6		14·6	36·6	8·5
9·7		30·6	33·4	
8·5		31·1	3·6	8·5 G
10·1		36·1	20·0	
10·3		36·1	47·4	
9·7	4	6·1	14·4	
9·2		7·9	56·7	9·5
10·3		9·0	7·0	
9·7		14·1	22·2	
10·1		20·6	8·0	
10·2		21·6	43·8	
9·7		28·1	39·2	
8·8		29·1	47·8	8·5
10·0		29·6	11·0	
9·8		43·7	9·1	
10·1		47·5	33·0	
10·0		47·7	11·6	9·0
10·3		48·7	33·5	
10·3		51·7	33·4	
6·5		51·7	17·0	6·0 GS=
8·6		52·2	5·3	8·8
9·7		54·7	17·0	G
9·1		56·2	6·6	9·5
9·4		57·7	10·9	
8·2	5	2·7	27·9	7·5 G–
10·3		11·7	2·0	
10·3		12·7	40·6	
9·6		14·2	31·6	
10·1		15·2	19·1	
10·0		15·5	28·0	
8·9		25·4	58·3	
9·7		33·2	55·0	
7·9		35·2	42·0	9·0
10·3		35·5	32·0	
8·0		50·7	5·4	8·0 G
10·1		55·2	13·6	
9·4	6	12·2	37·8	
9·4		16·7	20·1	
10·3		22·9	59·1	
10·3		27·2	48·1	
9·8		29·2	44·9	
9·8		49·7	33·8	
9·0		53·7	40·1	
9·8	7	11·5	51·7	
9·1		21·3	57·5	7·8 G
8·1		24·7	32·6	8·0 –
10·3		28·7	52·6	
10·2		37·7	31·3	
10·0		43·7	33·4	
9·7		44·2	34·2	
9·2		45·7	26·3	
9·4		56·7	10·3	9·5
10·3		58·5	53·5	
7·6	8	26·7	11·7	8·0 G
10·2		27·7	28·1	
10·3		35·9	1·4	
9·4		41·2	14·0	9·0
6·2		55·7	31·1	6·0 GStπ
	+1	37·5	–2·0	

4441—4500.

mag.	17ʰ. m	s	—32° ′	
10·3	8	59·0	9·3	
9·2	9	1·7	39·0	
10·3		3·5	8·6	9·5
10·3		7·3	23·6	
9·8		11·8	20·6	
10·3		12·8	19·5	
9·5		15·3	48·1	
10·1		19·1	4·0	9·5
9·7		23·3	0·1	
9·0		23·8	1·6	
10·1		33·8	45·3	
10·2		36·8	4·0	
10·1		37·3	20·1	
10·0		39·3	3·6	
10·0		41·8	31·2	
10·0		43·8	37·3	
10·0		50·8	3·1	
10·0	10	2·3	50·7	
10·3		8·1	9·8	
9·4		9·3	26·0	
6·6		12·3	24·7	7·0 GScπ
8·2		13·3	11·2	8·2 –
7·8		14·3	14·6	*8·3*
8·5		15·3	15·9	9·5
9·8		17·8	56·2	
8·8		19·3	35·5	
10·0		25·8	14·4	
9·2		28·3	13·6	
10·3		29·3	38·3	
10·0		29·8	6·3	
10·3		33·1	28·6	
10·3		33·3	24·0	
9·2		38·8	6·2	10·0
9·4		39·3	50·2	
9·7		45·3	6·0	
9·6		45·8	23·3	
10·0		46·8	7·9	
8·2		47·3	12·5	8·5
9·1		47·8	49·8	8·0
9·7		47·8	21·5	
10·0		52·3	9·3	
8·8		53·1	32·1	
9·2		53·3	47·1	
10·3		59·3	34·9	
9·4	11	2·8	34·4	
8·8		10·0	0·6	9·5
10·3		10·3	41·6	
10·3		11·3	39·1	
9·7		13·1	15·4	
9·6		20·3	5·9	9·5
10·3		22·1	48·2	
10·3		41·5	4·6	
10·2		47·2	24·2	
10·2		47·5	17·4	
10·1		52·2	54·6	
8·3	12	5·5	44·2	8·0 –
8·6		16·8	57·3	*8·6* :
10·3		33·0	28·6	
10·1		39·0	34·1	
8·4		45·8	1·8	9·0 –
25pr.	+ 1	37·6	– 1·8	

4501—4560.

mag.	17ʰ. m	s	—32° ′	
8·8	12	47·5	41·8	7·0 G–
10·3	13	37·0	57·2	
10·3		44·0	5·3	
10·0		51·0	9·4	
9·1	14	3·0	24·2	9·5
8·6		4·0	50·1	9·0
10·2		8·0	26·4	
10·0		30·0	16·1	
9·2		36·5	26·8	
10·3		43·0	44·1	
9·8		44·0	21·8	10·0
9·7	15	5·3	2·8	10·0 –
10·0		21·5	40·4	
10·3		41·5	47·6	
10·3	16	5·0	0·8	
10·3		21·0	43·3	
10·2		27·2	13·9	
9·7		31·0	54·4	
10·3		32·5	4·4	
10·2		41·5	17·8	
8·9		45·0	22·6	
10·0		54·0	24·9	
10·2	17	11·0	47·4	
10·3		13·0	2·6	
10·2		13·2	25·6	
9·2		41·5	21·0	9·0
9·4		45·5	10·0	
10·0		49·0	37·6	9·5
8·2		54·2	46·3	8·0 –
10·3		59·5	9·4	
10·3		59·7	9·3	
9·7	18	10·2	14·0	
10·2		12·7	56·9	
9·6		16·9	1·3	
8·6		23·7	51·1	8·2 G–
8·5		39·2	28·1	
9·8		51·0	49·0	
8·4	19	13·2	25·9	8·5 –
9·1		19·2	15·3	
10·3		23·2	46·6	
9·2		34·2	31·0	
9·6		34·2	29·9	
9·4		48·7	58·7	
9·2		53·2	22·3	10·0
9·4		57·2	4·5	9·0
10·2	20	10·2	3·5	
10·2		12·2	31·9	
10·2		19·2	5·3	
9·2		22·2	9·5	
10·3		45·7	37·3	
8·2		51·2	53·9	8·2 G
10·0		52·2	10·9	
10·2		54·2	9·5	
9·6	21	3·7	37·2	
9·7		8·2	7·2	
9·8		11·2	18·1	
9·4		27·2	33·4	
9·0		36·2	26·3	
10·3		39·7	21·4	
9·2		46·2	10·6	
	+ 1	37·8	– 1·5	

4561—4620.

mag.	17ʰ. m	s	—32° ′	
9·4	21	47·7	44·0	
9·8		51·2	45·3	
9·2	22	0·6	30·7	
8·6		7·7	1·3	7·5 G–
10·2		17·2	8·3	
10·3		20·3	49·7	9·0
9·8		32·7	8·0	
9·4		43·2	48·0	
9·0	23	13·2	14·2	9·5
10·2		18·3	14·0	
10·2		22·3	13·5	
9·0		33·2	26·8	
8·4		38·5	47·5	
10·2		48·8	51·3	
8·8		59·8	2·7	
10·2	24	1·8	16·7	
8·6		5·3	11·1	9·2
10·2		14·3	26·0	
9·8		26·8	23·1	
10·0		29·3	51·2	
10·2		31·3	51·0	
10·2		32·8	51·9	
9·4		33·3	52·1	
9·2		33·3	58·1	10·0
7·5		55·0	57·8	7·5 GS=c
8·9	25	8·3	20·8	
10·2		18·3	57·9	
8·9		18·3	45·0	
8·8		19·8	58·9	9·0
9·7		20·8	48·6	
9·6		37·3	41·0	
10·2		44·8	37·4	
9·8		47·3	30·0	
9·6		47·8	7·2	
9·2		52·8	35·1	
9·2		53·3	32·2	
9·8		54·8	33·6	
9·7		54·8	18·6	
9·5	26	3·3	13·4	
9·9		4·3	23·0	
10·2		5·5	2·2	
9·0		6·5	31·0	9·5 W
8·4		13·0	28·1	9·0 W
8·6		14·5	3·3	
9·4		15·0	40·6	
8·4		15·0	24·8	8·5 GW
10·2		18·0	4·6	
9·4		24·5	30·8	
9·7		24·8	0·9	
9·2		25·0	28·2	
9·4		28·5	29·6	9·5
8·9		29·0	5·2	9·5
10·1		29·1	28·3	
9·3		31·5	9·7	
9·8		32·1	28·9	
6·6		33·5	29·4	6·0 GSct
9·7		35·5	8·4	
9·8		36·5	14·9	
9·7		40·1	3·0	
10·2		46·5	13·0	
	+ 1	37·9	– 1·3	

4621—4680.

mag.	17ʰ. m	s	—32° ′	
9·2	26	47·0	35·0	
10·2		49·5	30·8	
9·7		53·0	32·2	
9·0		57·0	41·4	
8·8		57·5	45·2	
9·3	27	2·0	23·7	
9·5		3·5	9·5	
9·8		7·0	59·0	
10·2		9·5	16·8	
10·2		40·5	8·3	
10·2		51·0	51·6	
10·2		52·0	23·8	
9·9	28	2·5	14·2	
9·4		4·0	35·6	
9·4		4·0	28·8	
10·2		6·3	2·0	
8·7		8·5	36·6	9·0
10·2		15·5	2·0	
10·2		16·0	9·2	
10·2		38·0	21·0	
9·2		40·5	22·1	
9·8		47·5	53·8	
7·7		51·3	2·8	7·0 GS–c
10·2		51·5	26·4	
9·3		53·9	28·7	
9·5		53·9	5·8	
8·4	29	0·9	8·0	9·0
9·9		7·4	37·5	
9·0		16·9	55·2	
9·0		17·9	6·2	9·5 *G*
9·0		23·9	47·2	
10·2		25·9	56·5	
10·2		28·4	39·3	
9·8		28·9	30·4	
9·8		31·5	2·7	
9·8		52·9	23·8	
10·2		57·9	34·0	
9·3	30	1·4	18·3	
9·6		2·4	2·1	
10·2		3·9	15·2	
7·7		4·9	47·6	7·8 G
9·6		7·4	50·7	
10·2		14·9	38·6	
9·4		16·9	19·2	
9·4		16·9	33·1	
8·9		23·9	20·4	
7·8		25·9	58·5	8·2 –
8·1		28·4	54·8	8·2
8·8		31·9	24·4	*G*
9·9		35·4	59·8	
10·2		37·4	23·6	
9·9		41·4	31·0	
10·2		42·9	21·0	
10·2		55·9	4·6	
9·3	31	7·9	3·2	*G*
9·7		10·9	3·2	*G*
10·2		12·4	16·0	
9·6		13·9	3·4	*G*
9·9		14·9	14·8	
9·2		18·4	29·3	*G*
	+ 1	37·9	– 1·1	

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4681—4740.

mag.	17h. m s	—32° ′	
8.8	31 20.4	8.0	9.5 G
10.2	21.3	57.3	
8.6	22.9	16.4	G
10.2	27.9	32.6	
10.2	28.1	46.0	
7.5	28.4	14.6	GSctπ
9.4	28.6	13.6	
10.2	28.9	18.6	
10.2	28.9	14.0	
8.7	32.6	13.5	G
10.0	33.6	27.7	
9.3	34.1	1.6	
10.2	40.6	17.4	
9.7	43.6	19.4	
9.2	44.6	13.2	G
9.2	44.6	12.5	G
8.4	44.6	18.0	G
8.4	45.3	6.0	9.5 G
9.8	45.6	22.0	
8.2	49.1	22.0	G
10.2	51.0	59.9	
9.5	52.1	8.5	GW
8.8	53.1	16.2	G
7.2	53.1	7.7	7.0 GStπ
10.2	53.6	59.7	
8.0	54.1	5.3	8.5 GW
9.3	54.6	9.0	G
9.3	54.6	11.3	
9.4	57.6	9.4	G
9.4	59.1	22.2	
9.3	32 0.6	10.0	G
8.1	1.6	16.1	G
9.6	1.6	8.7	
8.4	2.1	15.1	G
7.7	2.1	11.0	8.0 GS
10.2	2.6	9.3	G
9.2	4.1	5.2	
9.6	6.6	10.7	
9.0	7.1	19.3	
9.6	7.6	8.6	
8.7	7.6	13.4	G
9.5	7.6	11.5	
9.8	7.6	30.4	
9.6	8.1	13.9	
9.0	9.6	6.7	10.0 G
8.4	12.1	6.4	9.0
9.0	13.6	14.7	G
7.9	13.6	11.5	8.5 GW
9.2	13.6	27.3	G
9.8	14.1	19.1	
9.4	14.6	34.4	
10.2	17.1	2.0	
9.7	17.6	3.1	
9.7	18.1	7.9	
8.2	19.6	40.9	8.0
10.2	22.1	11.1	
8.4	23.6	7.6	G
9.3	24.6	14.6	G
10.2	24.6	13.3	
8.4	28.1	15.3	G
25pr.	+1 37.9	−1.0	

4741—4800.

mag.	17h. m s	—32° ′	
9.7	32 28.6	9.9	
10.2	30.6	27.7	
8.7	31.6	7.0	G
9.5	33.6	12.5	
7.8	34.6	5.1	8.0 GS
8.9	35.1	9.6	G
9.0	37.7	9.4	G
9.2	40.6	13.1	
10.0	42.6	19.3	
8.1	42.6	9.2	9.0 G
9.5	44.6	14.4	
8.0	46.1	45.7	8.0
9.2	46.1	16.5	
8.7	46.1	6.3	G
8.9	48.6	29.5	
8.0	49.6	8.6	7.0 GScπ
9.6	51.0	1.9	
8.4	51.6	5.3	G
9.4	54.1	13.0	G
10.2	57.1	43.9	
9.8	57.1	10.6	
8.7	59.1	12.4	G
9.8	33 0.8	2.8	
10.2	1.6	23.4	
10.2	5.1	19.9	
10.2	6.1	3.9	
8.7	8.1	43.5	9.0
10.2	9.6	12.9	
9.8	11.6	48.9	
10.2	13.1	31.7	
9.0	16.1	18.6	
9.0	22.1	51.0	8.5
9.0	23.6	47.6	9.5
10.2	26.6	9.9	
7.8	29.6	2.6	8.0 GWtπ
9.8	31.1	9.2	
9.6	35.1	14.5	G
9.3	38.6	44.9	9.5
8.8	38.6	1.6	10.0 G
10.2	44.6	4.4	
9.4	44.6	7.9	G
10.2	53.6	40.2	
10.2	57.9	57.6	
9.3	58.6	51.6	
10.0	34 0.1	33.6	
9.9	2.6	33.8	
9.9	4.6	8.8	
9.8	5.1	5.6	
10.2	7.1	2.3	
8.2	7.1	27.3	8.0 G
10.2	7.6	32.9	
10.2	23.1	20.4	
9.3	28.6	20.3	9.0 G
9.6	30.6	54.2	
9.5	32.6	50.8	
10.2	36.1	7.0	
10.2	38.6	47.8	
10.2	44.1	24.0	
9.2	45.6	6.4	G
10.2	46.6	31.5	
	+1 37.9	−1.0	

4801—4860.

mag.	17h. m s	—32° ′	
9.8	34 50.1	13.1	
9.6	52.6	35.0	
9.5	54.6	0.6	9.5 G
8.1	54.7	59.2	7.0 GS=c
10.0	56.6	12.2	
9.4	35 6.6	20.8	
8.4	19.6	10.2	8.8 –
9.3	20.6	33.0	
10.2	22.1	1.8	
8.0	24.6	36.0	7.0 GS–c
9.8	25.6	29.0	
8.1	29.1	52.3	8.5 G
10.2	32.6	0.6	
8.6	33.1	17.2	9.0
10.0	34.1	29.0	
10.2	37.1	21.8	
9.7	37.1	15.9	
9.7	37.6	29.3	
9.5	38.1	32.0	
9.7	39.1	32.3	
9.3	43.6	35.4	
10.2	44.6	15.2	
9.7	45.1	28.2	
9.9	47.6	28.6	
9.7	52.2	58.2	
8.7	55.6	33.0	8.5
9.8	57.0	22.4	
10.0	58.0	18.1	
9.5	36 4.0	16.7	
9.4	4.0	20.8	
9.6	4.5	13.8	
10.2	7.5	20.4	
10.2	7.5	23.6	
9.9	8.5	16.0	
9.9	11.5	13.6	
9.2	13.5	18.8	9.0 G=
9.8	14.0	28.4	
9.3	17.5	44.4	
10.2	17.5	24.9	
9.9	18.5	26.1	
9.5	32.0	3.4	
9.5	32.5	15.0	9.0
10.0	41.0	8.0	
10.2	43.5	10.6	
10.0	46.0	55.0	
10.2	53.5	52.5	
9.5	56.0	15.0	
10.2	57.5	15.2	
9.5	37 7.0	46.0	
9.2	7.5	27.1	9.5
10.2	10.0	16.2	
9.4	13.5	49.3	
10.2	30.5	2.5	
10.2	40.5	19.0	
10.2	42.5	13.4	
10.0	43.5	16.6	
10.2	47.5	32.9	
9.0	57.0	20.8	9.5
9.2	38 10.0	40.0	
10.2	17.5	35.0	
	+1 38.0	−0.9	

4861—4920.

mag.	17h. m s	—32° ′	
9.8	38 18.0	28.8	
9.6	23.3	1.0	
9.6	25.5	57.6	
8.6	30.6	49.7	9.0 G
9.8	34.6	34.8	
8.4	36.1	24.1	8.0 G
10.2	36.6	58.2	
9.7	37.1	3.6	
10.0	44.6	26.7	
8.2	47.6	21.7	8.0 G–
9.8	52.1	11.0	
10.2	39 0.1	22.6	
8.9	4.6	46.4	
10.2	6.1	45.9	
8.8	12.6	9.3	10.0 –
10.0	21.6	16.0	
10.2	30.6	49.0	
9.8	31.6	26.6	
9.8	34.0	1.0	
10.0	37.1	11.0	
10.0	44.1	10.4	
10.2	44.6	54.8	
10.2	46.6	16.3	
10.2	57.6	50.2	
7.9	40 6.1	37.2	7.5 GS–
9.9	11.1	51.6	
10.2	19.6	59.9	
10.2	20.4	20.2	
9.7	26.6	24.0	
9.8	28.2	37.6	
9.3	28.7	28.2	
9.5	32.7	57.0	
10.2	41.7	37.4	
9.9	45.7	53.6	10.0
10.2	46.2	36.8	
8.8	50.2	50.5	9.5
10.2	41 5.7	48.5	
9.6	6.2	6.1	
10.2	10.7	33.9	
8.6	16.3	2.8	9.5
8.2	17.2	54.6	8.3
9.7	29.1	46.3	
9.0	34.6	21.9	
10.2	36.6	52.0	
9.7	43.1	37.9	
9.8	42 3.6	38.5	
9.7	8.6	23.4	
9.3	28.1	41.6	
10.2	29.1	40.8	
9.9	36.0	0.9	
10.0	38.6	22.2	
10.2	42.6	27.0	
8.5	50.9	57.0	8.0 –
9.7	53.6	20.0	
10.2	55.6	58.9	
9.4	55.6	39.6	
9.0	56.1	15.9	9.0
9.7	43 0.1	51.3	
10.2	7.6	47.1	
10.2	18.1	49.0	
	+1 38.0	−0.7	

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4921—4980.

mag.	17h. m	s	−32° ′	
9·8	43	27·0	0·5	–
9·7		33·1	13·8	
10·2		36·0	1·4	
9·0		41·6	15·0	
9·3		41·6	53·2	
9·2		53·5	1·2	9·0
9·5		54·1	50·5	
10·2		56·1	49·9	
9·8		57·6	42·5	
9·8		57·6	22·9	
9·5	44	3·1	32·1	
9·7		4·1	25·9	
10·2		10·6	45·0	
9·6		18·9	57·6	
9·4		23·3	2·4	
10·2		36·1	22·5	
9·8		48·6	31·0	
10·0		50·1	17·6	
10·2		51·6	38·6	
8·2	45	4·1	0·0	7·0 GS–c
9·4		9·6	42·9	
9·8		13·5	0·0	
8·8		15·5	27·5	9·5
10·2		31·6	53·4	
10·2		31·8	43·7	
10·4		33·0	47·5	
10·1		37·5	21·3	
10·0		41·1	9·4	
8·5		43·0	26·8	9·0 –
10·4		45·3	51·0	
10·4		50·2	31·3	
10·0	46	1·1	19·8	
10·1		16·3	40·9	
8·9		33·5	58·7	
10·1		34·0	29·2	
9·1		39·1	5·2	9·0 –
10·2		52·5	2·9	
9·4		52·5	57·2	
9·9		59·0	13·6	
9·4	47	4·0	54·8	
10·4		30·0	50·2	
9·2		35·5	19·2	
9·9		37·3	59·5	
10·4		39·0	39·0	
10·0		40·0	49·6	
10·0		45·0	44·6	
9·6		57·0	55·9	
9·8		59·5	33·8	
9·9	48	3·0	50·4	
7·7		5·5	27·0	7·0 GScg
10·1		9·5	54·9	
9·8		18·0	24·2	10·0
10·0		20·5	0·7	
9·8		22·0	10·2	
9·9		26·0	5·9	
10·4		34·8	2·3	
7·6		38·5	39·9	7·0 GS–c
10·4		49·5	8·9	
9·6	49	2·5	30·4	
9·4		3·0	22·9	
25pr.	+ 1	38·1	−0·5	

4981—5040.

mag.	17h. m	s	−32° ′	
10·0	49	3·0	40·7	
9·5		11·0	16·8	
9·8		13·0	37·5	
9·6		14·0	56·9	
10·1		15·5	11·7	
9·4		19·0	50·2	
8·2		21·2	1·9	8·2 GW–
10·1		25·8	56·9	
9·9		32·0	28·8	
10·4		33·0	48·9	
9·8		33·5	17·8	
10·2		36·0	57·9	
9·8		37·0	45·0	
10·2		42·0	20·6	
9·9		43·5	55·8	
10·4		44·0	46·1	
9·6		54·0	44·5	
8·7		57·3	58·0	9·5
10·4	50	3·5	56·1	
9·6		8·0	18·8	9·5
9·0		10·5	53·6	9·0
9·6		11·0	42·4	
10·4		15·0	27·1	
8·6		15·5	23·8	9·0
9·6		17·0	36·1	
10·4		22·0	57·7	
9·6		26·9	30·4	
9·4		37·9	57·1	
9·9		37·9	14·7	
9·9	51	3·9	32·9	
9·4		6·9	59·0	
9·4		9·4	46·0	
10·4		12·9	51·5	
9·9		15·9	13·9	
10·4		16·4	32·1	
10·4		19·9	27·3	
10·4		24·9	25·5	
9·8		26·9	47·5	
9·6		34·4	12·5	
9·1		43·4	24·5	
8·9		45·4	29·7	9·5
9·4		46·9	22·2	
10·4		49·4	55·9	
9·2		52·9	39·1	
9·9		59·4	19·3	
10·1	52	3·4	56·7	
9·8		12·9	51·6	
9·2		21·9	54·1	9·5
10·4		22·9	24·9	
9·9		23·9	46·9	
9·8		27·9	59·9	
9·5		28·4	53·6	
10·4		35·4	13·9	
9·9		36·4	51·5	
9·9		45·2	2·0	
10·1		48·9	45·7	
9·8		50·4	12·1	
8·5	53	7·9	43·6	9·0 G
9·4		25·4	54·9	
10·0		27·9	4·1	
	+ 1	38·1	−0·3	

5041—5100.

mag.	17h. m	s	−32° ′	
8·5	53	32·4	42·5	
10·4		34·4	53·4	
9·8		39·4	37·3	
10·4		43·9	58·0	
10·2		50·9	14·7	
9·4		53·9	46·2	10·0
8·4		54·0	3·1	8·5 –
9·4		54·9	16·9	
9·8		57·4	48·7	
9·2	54	2·7	42·3	9·5
10·4		2·9	33·0	
9·8		3·7	1·0	
9·6		5·4	34·5	
9·6		7·4	58·0	
9·9		22·9	8·0	
10·1		23·9	4·2	
10·4		23·9	21·1	
9·8		28·9	52·7	
8·9		39·9	48·1	
10·4		45·4	28·3	
10·1	55	2·9	19·3	
10·4		2·9	0·9	
10·1		4·4	21·9	
9·8		17·7	26·6	
9·8		18·9	34·1	
8·6		32·9	27·5	
9·5		36·4	42·5	
8·9		37·9	52·5	8·3 G
10·2		39·4	48·5	
9·8		40·4	19·7	
9·6		41·4	26·7	
10·0		42·2	57·0	
10·4		54·0	1·1	
10·4		56·9	57·3	
9·6		56·9	51·3	
9·2		58·4	30·7	
8·9	56	1·4	19·0	
9·1		2·9	38·7	
9·9		5·9	43·1	
10·4		12·4	26·9	
9·2		12·9	36·9	
9·4		13·4	10·9	
9·2		17·9	35·4	
10·4		20·4	59·1	
8·6		22·9	59·9	8·5 G
9·6		26·9	16·7	
10·4		27·9	12·5	
9·6		33·9	38·7	
9·2		36·4	14·3	
10·0		45·7	59·5	
10·2		46·4	15·7	
10·4		52·9	53·1	
9·1	57	4·9	15·7	8·2 G=
10·4		10·4	27·9	
10·1		11·4	32·9	
9·8		15·4	27·3	
9·2		23·9	12·3	8·2 –
9·2		25·9	50·9	8·7
9·6		27·7	1·1	
10·4		27·9	13·7	
	+ 1	38·1	−0·1	

5101—5160.

mag.	17h.–18h. m	s	−32° ′	
10·4	57	30·4	16·2	
10·4		33·0	2·5	
9·6		34·5	48·2	9·0
10·4		35·5	42·3	
10·4		38·5	26·2	
10·4		44·0	43·8	
10·1		45·5	32·1	
10·2		53·0	10·7	
8·9		53·0	40·3	10·0
10·4		55·5	13·9	
9·8		56·0	24·9	
8·8		59·5	40·2	8·5 G
9·8	58	4·0	5·9	
9·2		7·0	34·1	
9·5		11·5	5·9	
8·5		33·0	23·5	9·0
9·6		37·0	33·5	
9·4		44·0	30·3	9·5
9·9		53·0	48·6	
10·1		55·5	48·3	
10·1		58·0	44·1	
10·4	59	1·5	44·3	
10·4		15·0	13·8	
10·4		19·5	14·7	
10·1		22·5	57·0	
10·1		27·0	33·1	
10·0		27·0	20·3	
10·4		28·5	29·9	
9·8		31·5	30·9	
9·8		38·0	6·0	
9·5		43·0	25·6	
10·4		45·0	46·8	
8·9		48·5	54·4	8·0 G
10·0		57·5	33·1	
9·6	0	5·0	24·7	
10·4		5·5	27·4	
10·4		17·5	16·6	
10·4		20·5	53·4	
10·4		22·0	44·6	
10·4		23·5	50·2	
10·1		27·5	5·9	
10·0		36·5	48·1	
10·1		38·5	26·5	
10·0		40·5	50·6	
9·4		43·0	49·8	
8·9		47·5	54·5	9·5
9·6		48·0	27·3	
9·2		48·0	46·0	
10·4	1	1·0	0·9	
10·4		6·0	5·9	
10·4		8·0	38·7	
10·2		8·5	52·6	
9·6		9·5	7·3	
9·6		12·0	8·4	
10·1		15·0	13·1	
10·2		16·0	5·1	
10·4		24·7	2·1	
10·4		33·0	13·9	
9·5		33·5	40·3	
9·5		34·0	25·2	
	+ 1	38·1	0·0	

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5161—5220.

mag.	18h. m s	—32° ′	
9·6	1 36·5	17·5	
8·7	45·0	34·2	9·0
7·9	48·0	43·9	7·0 GS–c
9·8	51·5	55·5	
8·0	54·0	9·7	7·5 GS–c
10·4	55·5	41·0	
10·4	56·0	43·4	
9·8	58·0	26·4	
10·2	59·5	18·5	
9·5	59·5	30·1	
9·6	2 4·0	22·3	
8·9	26·0	50·5	
9·5	26·0	16·4	
10·4	31·5	3·2	
9·8	33·0	17·3	
10·4	35·5	4·7	
9·8	46·5	3·5	
10·2	54·0	51·5	
10·4	54·0	27·2	
10·4	57·0	35·9	
10·1	3 0·5	38·9	
10·4	1·5	35·7	
10·4	2·5	32·9	
9·9	6·5	50·9	
9·0	7·0	12·5	
9·9	7·0	32·3	
10·4	10·0	0·9	
10·1	10·5	20·9	
9·8	13·0	17·9	
9·8	18·0	54·5	
9·9	27·0	52·3	8·5 –
8·4	28·0	25·6	8·5 –
9·6	38·0	12·7	
8·2	45·5	40·5	8·0 –
10·4	58·5	15·7	
9·8	59·0	49·9	
8·8	4 4·0	18·2	8·5 –
9·5	10·5	10·7	
9·9	12·5	16·9	
10·4	27·0	51·3	
9·2	27·5	19·5	
10·1	32·5	35·5	
9·6	33·9	14·7	
10·1	37·9	21·9	
10·1	43·4	25·8	
10·4	43·9	29·8	
10·4	46·0	50·8	
9·2	49·4	17·2	
9·2	53·4	5·7	8·5
9·9	53·9	24·6	
10·4	53·9	29·3	
9·0	54·4	44·9	9·0
8·8	5 2·4	24·9	9·0
9·4	2·9	10·8	
9·2	9·9	20·0	
9·2	13·4	16·1	
9·6	14·9	43·4	
10·0	28·4	37·3	
9·2	29·4	32·0	9·5
9·5	33·4	17·9	G
25pr.	+ 1 38·1	+ 0·1	

5221—5280.

mag.	18h. m s	—32° ′	
10·4	5 35·4	41·7	
10·4	46·0	47·4	
9·2	47·4	30·4	
8·9	47·4	14·4	
10·4	48·0	14·6	
9·2	52·4	10·6	
10·4	53·4	15·4	
9·2	58·4	10·1	
10·2	58·9	49·4	
9·6	6 10·4	25·6	
8·5	13·4	34·3	9·0 –
9·8	21·4	28·5	9·5
8·8	26·3	58·6	9·0
9·8	27·4	32·3	
10·4	32·9	33·8	
10·0	32·9	25·8	
10·4	32·9	12·0	
10·4	37·9	10·9	
9·2	39·4	14·8	–
10·2	39·4	6·1	
9·6	49·2	14·9	
10·4	53·7	17·8	
9·5	55·2	56·1	
10·4	7 12·7	37·4	
9·9	15·2	51·8	
10·4	18·2	47·8	
10·4	25·2	51·6	
8·0	26·7	22·5	8·0 GS–
10·4	29·4	58·9	
10·1	30·2	48·8	
10·4	33·5	6·1	
9·9	33·7	52·5	
10·0	34·6	2·4	
10·4	41·2	43·5	
10·4	43·7	3·9	
10·4	49·2	12·7	
10·4	53·2	20·1	
9·6	56·7	43·3	
10·4	8 1·7	42·6	
10·0	3·7	21·0	
9·8	7·2	30·8	
9·2	10·7	32·6	
10·0	11·7	53·1	
9·2	12·2	3·9	
10·2	16·2	25·2	
9·8	23·7	5·9	
9·8	35·7	4·4	
9·9	44·2	41·8	
9·8	46·2	39·9	
10·4	46·7	35·2	
9·8	46·7	58·9	
10·4	46·7	43·3	
8·7	48·2	24·5	9·0
9·2	9 2·7	31·9	9·0
9·2	2·7	46·9	
9·8	3·7	49·7	
8·0	4·4	58·7	8·2 G
10·4	15·7	36·0	
8·6	22·7	47·9	9·0
9·2	28·4	32·0	
	+ 1 38·1	+ 0·3	

5281—5340.

mag.	18h. m s	—32° ′	
10·1	9 39·2	51·5	
9·0	42·7	15·7	9·0
9·8	53·2	4·8	
8·8	10 3·7	30·0	9·5
10·4	5·2	12·2	
10·4	9·7	12·7	
9·2	19·4	34·6	
9·6	21·5	5·8	
9·8	28·2	51·9	
10·3	30·2	6·9	
10·3	33·7	27·8	
10·3	39·2	58·7	
10·3	41·7	54·6	
10·0	53·7	48·2	
9·6	11 1·5	32·1	
9·2	20·5	6·5	
10·2	26·0	31·2	
10·2	40·0	55·1	
10·2	40·5	14·6	
9·3	52·5	18·8	
10·3	53·0	24·6	
8·9	54·0	25·0	9·5
9·8	56·0	57·4	
8·5	56·5	23·3	9·0
9·8	12 1·5	45·0	
8·2	2·0	25·3	9·0
9·8	2·5	49·4	
8·1	7·0	23·6	8·5
9·8	7·5	26·8	
9·0	8·0	43·7	
9·8	11·0	8·8	
10·3	13·0	7·2	
9·8	14·0	20·2	
10·2	14·0	15·5	
9·4	16·0	50·9	
9·2	16·0	12·7	
10·2	17·5	3·2	
10·2	23·0	43·8	
8·4	25·5	24·0	8·5 –
10·3	27·0	7·3	
10·3	36·7	0·3	
10·2	43·5	39·0	
10·0	56·0	18·5	
10·3	13 9·0	7·1	
7·8	11·5	14·0	8·0 GS–c
9·8	12·0	26·9	
10·2	17·7	26·9	
8·6	21·2	18·1	9·0
10·3	26·2	3·0	9·5
10·2	27·7	17·9	
10·3	28·2	26·3	
9·5	36·7	50·0	
10·2	41·7	59·0	
10·3	43·7	46·6	
10·0	46·5	46·0	
9·8	46·7	5·3	
8·5	47·2	6·0	8·8
10·3	14 5·2	50·6	
9·5	7·2	17·2	9·5
9·6	16·2	16·1	9·0 –
	+ 1 38·1	+ 0·4	

5341—5400.

mag.	18h. m s	—32° ′	
10·3	14 33·7	46·3	
8·7	43·7	55·5	8·5
10·3	49·8	59·2	
10·0	15 14·7	56·6	9·5
9·2	20·7	8·5	
9·8	20·7	50·3	
10·2	26·2	8·1	
10·2	29·7	54·3	
10·0	37·7	25·8	
9·3	53·2	54·7	
9·5	57·2	28·9	9·5
10·3	16 6·5	59·1	
10·3	26·7	39·8	
8·4	27·2	21·1	7·5 GS–c
8·9	30·2	25·7	9·0 W
9·6	33·2	52·1	
10·0	40·5	41·2	
9·6	17 2·0	14·7	
9·8	9·0	20·6	
9·6	24·5	12·6	8·5 GW
9·6	33·5	9·2	9·0
8·4	41·5	54·6	8·8
10·3	52·0	55·1	
10·2	18 3·5	29·6	
10·3	10·5	11·8	
10·3	16·5	25·2	
8·8	23·5	50·6	9·0
8·5	32·8	58·8	9·0
10·2	36·0	26·2	
10·3	44·5	17·2	
9·9	46·5	53·0	
10·0	56·5	31·3	
9·8	58·5	45·0	
10·0	59·0	8·8	
10·3	19 3·5	1·1	
9·6	5·5	12·5	
10·3	10·5	49·8	
9·9	13·5	23·2	
9·5	26·5	27·8	9·0
9·8	27·0	46·0	
8·3	36·0	11·2	8·0 G
9·8	43·0	26·0	9·0 –
10·2	44·0	13·0	
9·8	59·5	1·0	
7·6	20 1·0	32·4	8·5 G –
10·0	1·0	33·8	
9·8	5·0	51·6	
10·3	7·0	3·0	
10·2	10·5	29·6	
10·3	18·0	35·0	
10·0	22·5	19·4	
10·3	36·5	53·2	
10·3	36·6	4·8	
9·0	43·1	55·2	9·0 G
10·3	21 17·8	58·0	
10·3	22·6	6·8	
10·3	23·6	31·0	
8·1	23·6	51·6	8·5
9·3	24·1	42·2	9·0
9·8	26·1	30·8	
	+1 38·0	+0·7	

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5401—5460.

mag.	18h. m	s	—32° ′	
8.8	21	27.6	18.1	
9.2		28.1	2.0	
10.3		29.7	0.2	
10.3		33.9	2.2	
10.2		57.1	31.0	
9.1	22	13.6	12.7	
10.0		16.6	25.7	
8.2	23	1.6	22.2	8.5 GW–
neb.		13.6	25.9	
10.3		24.6	15.2	
10.2		30.6	16.7	
9.9		49.6	45.5	
9.6		56.6	37.4	
8.8	24	3.1	13.7	
8.0		8.6	40.4	9.0 –
10.2		14.9	1.2	
10.3		19.6	53.8	
10.2		38.6	9.1	
10.3	25	3.6	55.0	
10.3		7.1	38.1	
10.3		13.1	20.0	
10.3		17.6	9.6	
10.3		30.5	10.0	
8.8		37.8	53.6	9.0
10.2		40.3	35.3	
10.2		45.9	58.0	
10.0		51.8	19.2	
9.5	26	1.3	20.2	
10.2		2.8	44.0	
10.3		3.8	51.0	
9.0		6.3	48.0	
10.3		13.8	18.0	
10.3		33.8	40.4	
10.0		35.8	41.7	
9.6		42.8	49.2	9.5
10.3		46.8	59.3	
10.3	27	0.8	46.1	
9.3		3.8	34.6	9.2
7.6		14.8	59.2	7.2 GStπ
10.2		25.0	2.9	
10.2		39.3	24.3	
10.2		46.8	13.6	
10.0		58.8	19.8	
8.7	28	5.8	41.8	8.5
10.2		6.8	45.1	
9.4		11.8	23.8	
9.4		12.8	25.4	8.5
10.2		20.8	47.1	
10.2		22.8	51.0	
10.3		25.8	16.2	
10.3		31.8	5.2	
10.3		36.8	52.2	
10.2		42.3	7.0	
10.3		43.3	45.1	
10.0		48.8	6.5	
10.0		48.8	6.8	
10.2		50.8	14.8	
9.8		54.8	27.7	
10.2	29	5.7	49.0	
9.2		6.2	42.4	8.5
25pr.	+1	37.9	+0.9	

5461—5520.

mag.	18h. m	s	—32° ′	
9.6	29	36.7	52.0	
9.6		37.7	57.9	
10.2	30	0.2	17.3	
8.6		2.2	18.8	
7.8		8.7	47.2	8.0 GSc
10.2		13.7	44.5	9.0
10.2		17.2	47.8	
10.3		32.2	22.5	
9.4		32.4	58.3	
10.2		43.1	57.2	
10.2		53.9	2.2	
10.2		57.2	12.3	
9.3	31	1.7	3.2	
9.3		2.2	49.6	
9.4		10.2	25.6	
9.6		13.7	52.0	
8.5		16.7	31.9	8.5
8.6		17.2	8.6	8.5 GW–
10.2		27.7	13.0	
10.3		41.9	59.0	
9.1		44.7	11.0	10.0
9.9		50.7	38.8	
9.2		51.7	17.1	
10.3	32	0.2	24.6	
10.3		3.3	57.2	
10.2		3.6	48.1	
10.2		32.2	24.7	
9.3		35.6	25.1	
10.3		43.6	43.3	
8.5		43.6	7.6	8.8
9.6		53.6	1.4	
10.3		58.7	16.9	
8.6		59.6	49.4	9.0
9.8	33	1.6	51.2	9.5
10.3		22.6	29.5	
10.0		29.1	23.1	
10.3		33.6	53.1	
8.6		42.1	24.4	8.5
9.9		50.6	12.2	
10.3		54.3	11.9	
7.8	34	2.1	28.9	8.0 –
10.2		3.1	29.6	
9.8–		34.8	6.5	
8.1		51.5	52.0	8.2
10.4	35	1.8	34.3	
9.6		3.8	21.2	
neb.		4.8	24.5	
10.3		7.8	23.4	
10.3		8.8	20.7	
9.0		17.8	17.6	
9.6		18.8	47.0	
9.5		33.8	15.5	
9.4		34.3	36.5	8.5
10.3		41.3	44.0	
8.8		41.8	36.1	8.8
9.7		43.8	59.6	
9.4		48.8	36.0	9.0
8.8		48.8	9.8	
9.2		58.8	34.9	8.8
10.4	36	16.8	14.2	
	+1	37.9	+1.2	

5521—5580.

mag.	18h. m	s	—32° ′	
9.2	36	28.8	32.1	
9.9		34.8	27.3	
10.4		35.5	57.9	
10.3		38.8	10.1	
9.0		46.8	0.6	
10.3		53.8	49.5	
8.8		55.8	40.1	
10.3	37	11.8	30.3	
9.6		18.8	11.7	
9.6		18.8	14.7	
9.6		23.8	0.6	
9.7		25.8	20.3	
9.7		40.3	51.2	
10.4		48.8	5.5	
9.0		51.3	19.3	
9.4		53.8	31.0	
10.3		59.3	41.5	
9.6	38	1.8	24.5	
10.4		3.8	29.3	
10.4		4.8	24.0	
9.8		8.8	7.6	
9.9		8.8	38.9	
9.7		11.8	8.7	
8.1		28.5	2.2	8.0 G
10.4		43.8	39.9	
10.4		44.3	56.2	
10.0		57.0	0.1	
10.4	39	0.3	35.4	
9.4		4.8	39.0	
8.5		14.8	46.6	9.0
9.4		22.3	31.4	
9.9		23.8	53.1	
9.2		27.3	35.7	
8.2		28.8	41.5	–
10.4		38.8	5.1	
9.9		39.8	7.0	
10.3		41.2	59.1	
10.4		46.5	1.6	
8.8		47.8	18.1	
10.3		48.3	6.3	
8.8		51.8	15.0	
10.2		56.3	54.3	
9.6	40	3.3	54.1	
9.4		8.8	37.0	
10.4		20.8	50.4	
9.6		27.8	59.6	
9.1		27.8	18.9	
10.2		36.3	0.2	
9.4		36.8	21.5	
10.4		45.2	59.6	
9.7		46.3	22.9	
10.0		51.8	21.5	
7.6		53.8	50.7	7.0 GS–c
9.5	41	14.8	43.9	
8.6		19.3	22.5	9.5
9.7		22.3	6.3	
10.4		39.3	6.6	
10.4		42.8	52.4	
9.6		45.8	10.6	
10.0		45.8	21.2	
	+1	37.8	+1.4	

5581—5640.

mag.	18h. m	s	—32° ′	
10.4	41	51.8	56.7	
10.4		57.8	48.7	
9.9	42	7.8	47.3	
9.6		16.8	45.6	
9.6		24.8	25.3	
10.4		34.8	39.0	
9.6		45.8	41.9	
10.0		51.8	23.2	
10.4		52.8	0.9	
10.4		56.8	24.3	
9.0	43	4.8	48.9	9.5
10.4		7.3	22.0	
9.9		11.8	25.8	
10.4		13.8	28.7	
9.6		14.8	8.4	
9.6		15.8	54.6	
9.6		15.8	55.3	
9.7		16.8	16.5	
9.4		47.8	47.0	
10.4		49.8	41.3	
9.2		51.8	26.0	
10.4		52.3	44.9	
9.4		58.2	2.6	–
9.9		58.3	49.0	
10.2	44	2.8	9.7	
10.0		4.8	16.3	
10.4		15.0	57.9	
10.4		25.8	41.2	
9.5		34.3	22.8	
9.7		34.8	13.3	
10.4		39.3	56.4	
10.2		41.3	8.7	
10.3		43.3	51.6	
9.6		43.8	26.2	
9.8		44.8	21.4	
9.1		47.8	25.3	
9.5		52.8	41.3	
10.3		53.8	53.9	
10.3		54.8	48.2	
9.2		55.8	50.5	
9.8	45	1.8	12.3	
9.7		10.8	44.1	
9.5		24.8	43.8	
9.7		27.8	34.3	
9.9		27.8	49.1	
8.4		34.8	8.4	GS=c
10.0		34.8	54.0	
9.9		38.8	6.1	
10.2		38.8	55.1	
9.5		43.8	42.7	
10.2		51.3	50.3	
9.9		54.8	50.0	
8.8		54.8	19.9	
10.3		57.8	20.3	
9.2	46	13.8	47.5	
10.4		18.8	28.3	
8.8		20.3	35.0	9.0
9.7		30.8	40.7	
10.0		51.3	33.2	
10.2		54.8	45.5	
	+1	37.7	+1.6	

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5641—5700.

mag.	18h. m s	−32° ′	
10.4	46 58.3	33.3	
10.0	58.8	32.3	
8.4	47 4.8	36.5	8.5
9.6	11.8	22.0	
8.8	12.3	41.4	8.5
9.7	18.8	24.1	
10.3	23.8	14.9	
8.6	25.8	10.7	8.5 –
9.5	41.3	18.9	
10.4	55.8	38.7	
10.2	48 3.8	50.1	
10.0	7.8	34.3	
10.0	8.8	52.1	
8.6	44.8	30.7	8.5 –
10.0	44.8	51.9	
10.4	58.8	8.1	
9.0	49 22.8	45.9	9.5
10.2	29.8	11.9	
9.8	41.5	1.3	
9.7	47.8	9.4	
10.4	50.8	46.0	
9.8	51.8	19.3	
10.3	53.8	22.3	
9.7	55.8	45.7	
10.4	57.3	53.3	
9.5	57.8	47.4	
9.2	50 1.3	24.6	
10.3	4.8	33.6	
9.9	7.8	53.6	
9.5	8.8	32.2	
10.3	9.6	26.8	
8.2	10.8	20.1	–
10.3	12.8	14.3	
9.7	15.8	33.6	
9.4	15.8	42.1	10.0
9.7	17.8	12.5	
8.8	21.8	46.9	9.0
9.9	34.8	24.5	
9.7	35.8	24.1	
10.0	38.9	59.3	
10.0	42.8	13.1	
9.4	45.8	51.0	
10.4	47.8	6.8	
9.5	51 1.8	44.7	
9.4	3.1	56.9	
9.8	7.8	17.7	
9.6	18.8	38.0	
9.6	27.8	33.5	
9.8	27.8	22.2	
8.6	42.8	33.3	9.0
10.0	47.3	33.3	
9.9	54.3	52.1	
8.2	55.8	28.3	8.5 –
8.0	57.8	25.3	8.0
10.3	52 9.8	54.3	
10.4	11.8	28.7	
8.8	17.8	24.5	8.5
9.7	17.8	51.2	
8.8	24.8	17.7	8.5 G–
8.8	39.3	55.6	
25pr.	+1 37.6	+1.8	

5701—5760.

mag.	18h. m s	−32° ′	
10.4	53 3.8	28.6	
10.0	7.8	4.5	
10.3	7.8	7.9	
10.4	15.8	13.1	
10.0	18.8	44.5	
10.3	23.3	34.7	
9.8	25.8	22.9	
9.6	37.8	33.7	
8.3	44.8	46.3	8.0 G–
9.7	49.8	19.3	
9.6	55.8	21.0	9.5
8.8	54 2.7	21.1	9.0 –
9.7	4.7	5.8	
10.4	7.9	57.4	
9.5	30.7	13.6	
9.9	38.7	11.7	
9.9	51.2	15.9	
8.0	54.2	55.4	8.0 G–
10.2	54.2	12.3	
9.7	55.7	38.8	
9.9	55 12.7	34.3	
9.4	14.7	41.9	9.0 G
9.8	32.9	56.6	
10.4	40.4	15.9	
9.8	47.2	59.3	
10.2	49.2	46.1	
9.8	55.4	21.9	
10.4	56 4.4	40.1	
10.3	4.7	22.6	
9.2	7.7	22.7	9.5
10.3	12.2	46.9	
10.2	13.7	41.8	
9.9	14.2	28.4	
9.6	17.2	41.2	
10.4	17.4	30.2	
10.3	38.2	14.5	
9.6	38.7	22.9	
9.2	57 4.2	5.1	
8.8	8.7	45.6	
8.2	16.7	35.5	
10.0	24.2	49.8	
8.6	44.7	13.8	G
8.8	44.9	21.3	
10.0	47.4	15.2	
9.9	58 5.2	57.0	
9.7	21.1	58.2	
9.7	26.2	14.0	
10.3	35.7	19.5	
10.4	41.7	3.5	
10.3	43.2	27.1	
9.8	59 5.9	16.8	
9.7	11.5	50.7	
9.1	13.5	35.3	9.5
8.7	16.5	37.1	9.0
9.1	39.5	22.9	
8.2	42.5	46.1	8.5 –
8.8	45.0	4.6	9.0
10.0	45.5	28.3	
9.6	48.5	13.2	
8.9	49.5	39.6	9.0
	+1 37.5	+2.0	

5761—5820.

mag.	18h.–19h. m s	−32° ′	
9.5	59 52.0	13.2	9.0
10.0	53.5	58.6	
9.7	54.5	24.5	
8.9	0 0.0	41.7	9.5
9.9	28.0	56.2	
10.0	36.0	17.9	
10.0	37.5	59.1	
10.3	46.5	13.7	
10.0	1 3.5	1.7	
9.8	27.5	19.0	
9.9	30.5	43.8	
9.6	32.5	25.9	
9.9	33.2	41.5	
8.7	38.2	7.1	9.5 –
10.0	41.7	28.6	
8.4	42.7	27.0	9.0
9.8	44.2	53.7	
9.0	44.7	42.5	
9.4	47.7	53.0	
9.0	56.7	37.7	
10.0	2 11.2	23.6	
10.3	16.2	59.9	
10.3	16.2	50.0	
10.0	26.2	29.0	
9.8	34.2	20.1	
9.5	42.7	15.3	
8.6	43.2	35.5	9.0
10.3	43.2	41.0	
10.3	43.2	1.9	
9.7	47.2	56.9	
8.2	48.3	0.5	8.0 G
10.0	3 7.2	46.1	
10.3	27.4	2.1	
8.6	36.7	18.2	8.5 –
9.4	50.7	48.5	G
8.7	53.2	37.8	9.5
8.2	56.2	50.1	8.0 G
10.0	4 19.7	28.9	
9.9	5 8.7	34.5	
9.4	14.2	54.3	
9.7	18.2	27.7	
9.0	32.7	27.6	
9.1	33.2	32.7	
9.2	6 2.2	52.4	9.0
10.3	4.2	50.1	
10.0	7.2	2.9	
9.4	8.2	27.2	
9.8	17.2	32.4	
8.6	24.2	38.2	
10.0	30.0	26.8	
9.9	33.5	49.2	
10.0	39.2	3.0	
9.8	39.5	29.2	
9.8	47.0	23.4	
7.9	7 23.0	24.7	8.5 G–
8.8	26.0	39.0	
10.3	26.8	59.2	
9.8	29.0	6.4	
10.2	35.5	30.4	
9.4	36.0	0.3	
	+1 37.3	+2.3	

5821—5880.

mag.	19h. m s	−32° ′	
9.9	7 37.0	41.1	
10.3	46.0	26.3	
9.9	52.0	4.7	
9.1	53.5	13.9	9.0
10.0	56.0	44.8	
9.7	57.5	49.7	
10.3	8 2.0	52.1	
9.8	4.0	4.1	
9.1	19.0	29.1	
9.5	26.5	51.8	
7.8	37.0	6.1	7.0 GW=
10.3	38.5	53.9	
8.7	45.0	3.7	8.5 W
8.7	52.5	6.8	9.0
10.0	9 5.1	1.1	
9.7	6.0	45.8	
8.7	16.5	49.7	
9.6	22.5	28.3	
9.6	23.0	44.3	
8.6	26.0	43.0	8.5
10.3	33.0	21.0	
8.2	45.5	54.3	9.0
9.4	47.0	46.0	
10.3	47.0	23.3	
10.2	10 18.5	38.8	
9.8	24.0	56.8	
10.2	26.0	39.0	
10.3	30.5	55.1	
9.9	30.6	2.0	
9.1	43.0	14.9	
9.4	47.5	22.9	
10.3	56.0	25.0	
10.2	59.8	54.8	
10.3	11 5.8	35.1	
8.7	5.8	4.4	8.5 W–
9.1	25.3	42.1	
10.2	29.8	17.3	
10.3	31.3	52.3	
10.0	34.3	50.8	
10.3	49.3	24.0	
10.2	52.8	16.0	
8.9	12 5.8	29.0	
10.3	7.8	39.0	
9.5	17.3	22.4	
10.2	19.0	45.3	
8.2	23.8	2.8	7.0 GS–c
9.5	26.8	5.9	
9.2	40.3	29.2	9.0
10.2	43.8	55.1	
9.4	45.8	22.9	
9.7	45.8	24.4	
9.2	45.8	43.0	
10.3	56.3	55.1	
10.3	57.0	35.4	
10.3	13 0.3	58.5	
9.6	0.3	52.1	
10.3	1.8	3.1	
9.8	21.3	40.7	
10.3	23.8	55.7	
9.1	45.3	53.3	
	+1 37.1	+2.5	

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5881—5940.

mag.	19h. m s	—32° ′	
9·7	13 45·3	52·8	
9·8	51·3	22·4	
10·3	51·8	44·3	
9·7	53·8	13·1	
10·3	58·8	44·5	
9·8	14 6·8	31·6	
8·2	17·3	38·4	8·5 G–
10·2	18·8	42·1	
8·2	23·3	10·2	7·2 G–
10·3	29·3	23·4	
9·6	35·5	2·3	
8·8	42·8	44·2	8·2 G–
10·3	46·8	0·6	
10·3	15 1·3	58·6	
10·0	1·3	57·0	
9·4	1·7	17·3	9·0
10·3	25·7	30·9	
10·3	26·7	32·2	
10·3	27·2	33·0	
9·7	32·7	44·0	
10·2	36·7	20·9	
9·4	38·7	30·0	
10·2	57·2	38·3	
9·1	16 9·2	10·2	9·0 G
9·6	9·7	5·3	
10·3	17·2	14·8	
8·8	22·7	35·3	
10·0	26·0	44·2	
10·2	26·0	46·5	
9·1	33·2	9·6	9·5
9·4	45·2	27·6	
9·1	53·2	8·8	8·7 G
9·4	56·0	58·9	
10·3	59·2	7·7	
9·7	59·7	19·3	
9·4	17 1·7	23·8	
8·0	2·7	28·6	–
10·3	22·7	50·0	
9·9	27·7	21·8	
10·0	37·0	19·9	
9·2	49·7	54·2	9·0 G
9·5	49·7	12·8	
9·6	56·7	14·0	
9·2	18 1·7	19·2	
9·2	2·7	50·9	9·5
8·4	32·2	55·4	9·2
10·2	41·7	53·4	
9·2	19 2·7	23·6	
10·2	2·7	15·2	
9·5	11·7	45·5	
10·2	19·2	12·2	
9·7	33·2	44·6	
9·6	38·2	44·8	
10·3	47·2	4·0	
10·2	20 30·2	48·0	
9·4	35·7	33·5	9·5
9·0	36·7	28·9	8·5
10·3	37·0	57·0	
9·0	38·7	14·9	
9·9	40·1	34·0	
25pr.	+1 36·9	+2·8	

5941—6000.

mag.	19h. m s	—32° ′	
9·8	20 51·8	2·0	
9·8	21 5·1	3·4	
10·3	6·0	58·0	
9·0	7·4	57·5	
8·0	22·1	45·8	8·5 –
10·3	29·1	51·7	
8·8	29·8	0·9	9·2
10·0	46·6	31·2	
9·0	49·0	9·2	8·5
10·3	55·6	39·7	
10·0	56·8	27·9	
10·2	56·8	35·9	
10·2	22 0·1	13·7	
9·7	7·6	23·2	
9·7	10·3	52·2	
7·4	12·4	20·7	6·8 GS–
8·5	26·0	4·8	9·0 G
7·2	52·9	57·3	8·0 GS
8·6	23 42·5	8·1	9·5
9·8	47·9	27·7	
9·6	47·9	50·5	
10·0	24 11·9	3·1	
9·2	39·9	13·5	
10·0	25 38·4	11·1	
9·6	52·8	22·8	
9·4	53·5	0·9	
8·6	26 6·3	41·8	9·0
10·4	6·8	25·6	
9·8	25·3	14·0	
9·8	29·3	14·6	
9·6	34·8	27·0	
9·6	36·3	13·1	
9·0	27 6·8	5·5	
10·4	13·5	1·8	
10·0	31·8	29·9	
10·0	34·8	6·5	
8·6	42·8	34·5	9·0
9·4	54·7	59·1	
9·6	28 15·3	11·0	9·0
8·6	19·8	6·4	8·5 =
7·0	33·2	57·9	7·0 GS
10·4	38·3	40·0	
8·6	44·8	57·5	9·0
9·8	46·8	21·2	
10·0	29 3·3	51·9	
9·4	23·3	15·8	
9·4	37·6	2·4	
9·2	30 53·8	17·2	
10·4	54·6	49·0	
9·8	31 4·3	24·1	
9·4	6·8	17·8	9·0
10·4	11·3	2·1	
10·0	20·8	47·1	
8·5	34·3	45·1	8·0 –
9·6	44·1	2·6	9·5
10·2	53·8	55·9	
10·2	57·3	57·0	
9·6	32 3·8	41·0	
9·2	13·3	45·6	9·0
9·1	46·8	29·7	
	+1 36·6	+3·1	

6001—6060.

mag.	19h. m s	—32° ′	
9·6	33 14·8	32·8	
9·8	20·8	36·9	
9·6	21·8	29·5	9·5 G
9·6	30·8	27·2	
9·6	34 28·8	49·0	
8·4	34·8	31·6	8·8 W–
9·4	36·8	46·6	
9·6	37·8	49·7	
9·1	35 26·8	48·9	8·9 G
10·0	37·3	55·9	
10·0	36 7·3	23·9	
9·8	12·3	50·0	9·5 G
9·4	35·8	4·8	9·3
10·4	42·8	44·9	
10·4	49·8	46·0	
9·6	56·8	51·2	
8·6	37 7·3	5·2	8·0 G–tπ
9·2	24·8	56·0	
5·6	38 2·8	12·4	5·8 GStπ
9·8	3·8	49·5	
8·0	36·8	14·1	8·0 GS–
9·6	48·8	27·2	
9·1	55·8	8·6	9·5
10·0	39 41·3	57·6	
9·8	43·8	13·0	
9·2	54·6	0·0	
9·0	40 41·3	41·4	9·2
9·6	46·8	46·7	
10·4	41 23·3	4·8	
9·0	42 1·3	19·7	8·5 G
9·6	3·3	46·4	
9·8	16·8	14·7	
10·0	21·8	31·0	
10·2	27·3	23·8	
7·5	44·3	55·4	8·0 G
9·8	43 7·3	58·1	
9·6	7·8	30·5	9·5
9·6	21·8	16·9	
10·4	25·0	39·3	
9·6	56·8	45·8	
9·6	44 4·8	6·0	
9·2	22·8	52·7	8·8
10·0	45·3	31·0	
8·5	45·8	47·4	8·0 G
7·4	46·8	17·6	7·0 GS=
9·8	45 13·8	49·7	
8·8	15·8	24·4	8·5
8·6	38·5	59·0	8·8 G
9·6	42·8	56·6	
9·4	49·3	31·0	
9·8	46 3·7	22·9	
9·8	7·8	53·9	
10·0	9·5	19·2	
9·4	35·3	29·3	9·5
9·2	56·8	51·0	
9·8	47 8·6	40·8	
9·8	41·1	26·0	
10·0	48 35·6	17·2	
8·0	50 32·6	45·5	7·8 G–
7·8	35·6	57·7	7·8 G
	+1 36·0	+3·6	

6061—6120.

mag.	19h.–20h. m s	—32° ′	
10·4	51 25·1	40·2	
10·4	52 2·6	38·8	
10·4	32·6	59·3	
8·8	35·2	35·7	
7·6	42·7	30·9	7·0 GS–
10·0	53 21·2	47·5	
10·2	51·7	42·6	
10·2	54 4·1	0·9	
9·8	23·7	55·8	
10·0	34·8	9·2	10·0
10·2	37·3	7·0	10·0
9·5	55 47·3	26·0	
9·8	56 14·8	54·9	
7·2	23·8	24·2	5·0 GStπ
9·0	57 7·3	52·5	
9·2	58 38·8	34·8	
9·6	59 4·3	5·7	9·5
9·2	12·3	38·8	
9·4	37·8	11·9	
9·2	46·6	58·0	
8·8	0 10·3	47·3	9·0
10·4	1 22·8	6·3	
10·4	23·3	15·4	
8·8	31·8	25·3	–
10·4	2 26·8	20·2	
9·8	36·8	40·9	9·5 G
7·5	59·3	41·3	7·8 GS=
9·5	3 28·1	1·1	
9·1	38·3	43·9	8·2 G
8·8	42·8	13·1	–
9·4	48·8	16·8	
9·8	4 10·8	42·0	
9·6	5 52·3	19·7	
10·4	53·8	26·0	
9·8	6 20·3	3·4	
10·4	7 5·3	13·9	
10·0	19·8	47·6	
9·5	42·3	16·2	
9·8	8 7·3	8·5	
7·6	9 0·3	59·5	7·8 GS
10·0	16·8	27·5	
9·5	19·5	0·6	
9·8	31·5	51·1	
9·8	57·0	59·9	
9·2	10 2·3	45·7	9·0 G
9·8	6·0	29·9	
10·4	10·7	10·1	
9·4	34·0	28·4	
9·6	11 5·0	23·7	
9·8	5·7	11·6	
9·4	26·2	59·4	
8·5	34·2	40·3	8·0 G–
9·8	40·2	28·0	
7·6	47·2	7·1	8·0 GS≡
9·8	12 42·7	6·2	
9·6	51·7	53·2	
9·3	13 37·7	47·8	
10·0	38·9	57·3	
9·3	14 5·7	47·6	
9·6	6·2	3·9	
	+1 35·0	+4·3	

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6121—6180.

mag.	20h. m	s	—32° ′	
9·6	14	27·7	8·6	
9·4	15	1·2	47·9	
9·0		2·7	26·0	9·5
9·3		25·7	56·0	
9·4		29·7	28·4	
9·6		30·7	34·9	
9·1		32·7	51·7	
9·9		57·7	37·9	
8·7	16	5·7	54·3	
9·6		24·2	43·8	
9·4		59·2	15·2	
9·6	17	17·2	56·0	
9·8		33·2	36·2	
8·8		46·7	56·5	8·5 G
8·8	18	3·2	43·9	G
9·9		5·7	49·0	
7·8		35·3	44·1	7·5 GS–
9·4	19	34·8	29·8	
9·3		39·3	52·1	
8·7		43·3	43·7	8·5
10·0	20	9·8	9·9	
10·0		37·8	37·3	
10·0		39·8	52·9	
9·0		58·8	38·2	
9·4		59·3	8·0	
9·4	21	3·8	30·4	
9·4		3·8	28·9	
9·6		45·3	49·8	
9·8		48·8	26·8	
9·8	22	6·0	36·7	
9·6		9·8	9·8	
8·6		46·3	4·5	8·8 –
10·0	23	2·3	37·1	
9·9	24	5·8	42·1	
9·8		43·8	25·1	
9·6	25	29·3	16·3	
9·6		42·8	38·5	
9·8		55·8	28·4	
9·6	26	22·8	43·8	
9·4		53·3	17·7	
9·8	27	21·3	47·2	
9·6		21·3	43·8	
10·0		28·8	8·4	
9·6		46·3	3·1	
8·7	28	56·8	38·3	9·2
9·9	29	27·8	16·1	
9·4		57·3	22·6	
10·0	30	14·8	44·5	
9·4		16·3	30·6	
9·0		41·8	34·8	9·0
10·0	31	16·8	15·2	
9·8		34·3	34·8	
9·6	32	1·8	34·0	9·0
10·0		38·8	42·4	
10·0		38·8	44·2	
9·0		43·8	36·3	
7·6	33	37·9	2·3	6·0 GS–
9·3		44·7	38·3	
9·1		48·2	5·2	8·8
10·0		53·9	43·2	
25pr.	+1	34·1	+4·9	

6181—6240.

mag.	20h. m	s	—32° ′	
10·3	34	2·5	52·2	
7·4		20·2	29·3	8·0 G–
10·8		46·0	14·0	
9·9	35	6·2	32·6	
8·9		17·0	49·0	9·0
9·0		26·2	44·3	9·5
10·8		39·5	25·0	
10·4		49·0	6·9	
10·0	36	14·0	3·5	
10·2		15·5	0·6	
10·2		15·5	14·4	
8·0		20·0	22·5	7·8 GS=
10·0		33·0	42·0	
10·2		43·5	44·0	
10·4		50·6	0·6	
9·2		57·0	4·4	
10·0	37	16·0	55·0	
10·3		22·5	3·4	
8·8		30·0	48·7	
10·8		38·5	27·7	
10·8		44·0	15·0	
10·8	38	33·0	9·7	
8·9		45·5	2·3	9·3
10·2	39	2·5	21·8	
10·8		46·5	45·0	
8·8		49·5	19·9	8·5 G
10·8	40	11·0	6·4	
9·6		15·0	44·9	9·5 G
9·6		33·5	53·4	
9·0		39·5	21·2	
9·4		44·0	21·3	
9·8	41	14·5	27·3	
8·2		23·0	28·3	
8·8		54·0	6·1	
10·0	42	10·6	1·4	
10·0		16·0	51·1	
10·8		22·0	9·1	
10·8		34·0	8·0	
8·0		57·0	11·2	7·5 GS=
7·7	43	4·5	30·8	6·8 GS–
9·2		16·0	26·3	
10·0		19·5	42·2	
10·8		23·0	51·1	
10·2		26·0	26·2	
10·3		28·0	59·4	
9·8		52·5	39·1	
9·9		56·0	36·0	
9·9	44	41·5	38·6	
8·6		53·5	9·6	8·0 –
10·8	45	0·5	22·7	
10·6		8·5	35·0	
10·8	46	24·0	51·1	
9·0		33·0	26·4	9·0
9·9		39·5	40·8	
10·2		56·0	35·7	
9·9	47	33·0	27·2	
10·4		33·0	45·5	
9·8		41·5	30·7	
9·8		59·0	25·1	
10·8	48	4·5	23·7	
	+1	33·0	+5·4	

6241—6300.

mag.	20h.–21h. m	s	—32° ′	
8·4	48	9·7	1·7	7·5 GStπ
9·9		15·5	21·4	
10·0		30·5	30·1	
8·4		33·0	14·4	8·5
9·2		37·5	44·7	
8·8		53·0	30·7	9·5
9·2	49	3·0	10·7	9·2 –
10·4		4·0	31·3	
10·0		5·0	3·9	
10·2		8·0	58·3	
9·0		30·7	1·3	
9·8		33·0	54·1	
10·3	50	7·5	16·3	
10·2		14·0	7·5	
8·2		50·0	11·1	8·2 G=tπ
10·8		56·0	57·1	
8·0	51	19·0	7·5	8·2 G
9·0		37·0	3·5	9·5
9·9		41·0	7·9	
10·8		44·0	58·7	
10·8		44·0	49·3	
10·6		46·5	57·5	
9·2		50·5	29·8	
10·4	52	4·0	50·1	
9·8		20·5	10·8	
9·4		27·0	16·5	9·5
10·2		52·0	26·5	
9·2	53	13·5	50·1	9·5 G
5·8		36·5	44·6	5·0 GSπβ
10·8	54	45·2	0·0	
10·8	55	29·5	25·1	
9·8		34·0	53·1	
8·6		54·0	4·3	9·2
9·9		54·0	7·4	
10·0		54·0	11·8	
10·8		56·0	49·0	
9·4	56	4·0	50·1	
10·8		15·0	23·1	
9·8		24·5	50·3	
9·9		33·0	19·6	
9·2	57	22·6	2·3	
7·6		32·3	50·3	8·2 GWtπ
10·8		36·5	55·1	
9·9	58	1·5	48·9	
10·8		6·5	36·1	
10·6		9·7	9·0	
10·6		13·2	42·5	
6·5		45·7	50·4	5·5 GSπβ
10·2	59	0·7	25·9	
9·5		25·7	49·8	
9·2	0	7·7	10·0	
9·9		41·8	52·0	
10·6		52·3	13·2	
8·4		53·8	20·2	8·8 =
9·6	1	26·8	30·6	
9·8		28·3	10·3	
8·2		44·3	31·6	8·0 =
10·2	2	2·8	19·1	
9·5		25·8	47·9	
10·0		32·8	49·6	
	+1	32·2	+5·8	

6301—6360.

mag.	21h. m	s	—32° ′	
10·6	3	33·3	22·1	
10·2		49·8	4·7	
10·6	4	45·8	23·9	
9·2		53·8	35·1	
9·4	5	5·8	29·0	
10·0		7·8	11·8	
10·2		32·3	24·2	
10·2	6	16·3	44·3	
10·6		29·3	13·3	
9·8		43·8	4·0	
9·5		57·3	56·9	
10·4	7	12·8	18·6	
10·6		21·8	28·3	
9·4		28·3	8·4	
10·6		42·3	26·1	
8·8		53·8	50·9	
10·2	8	2·3	9·0	
10·0		9·8	51·6	
9·9		15·8	3·2	
10·0		16·3	20·3	
8·0		33·8	19·8	7·5 G–
9·9		49·8	51·2	
10·2	9	6·7	7·8	
9·4		8·8	57·7	
9·9		20·2	27·8	
10·2		26·2	34·1	
8·7		42·7	24·2	8·5
10·0		55·7	41·7	
4·4	10	21·7	41·5	4·8 GSπβ
9·6		33·2	44·5	
10·6		40·2	3·2	
9·2		41·7	17·2	
9·2		52·7	24·9	
9·4	11	4·7	13·1	
9·8		28·2	22·1	
8·0		28·2	52·7	7·0 G–
9·8		32·7	51·3	
9·6		35·7	20·7	
10·6		40·7	8·1	
10·6		52·7	41·2	
9·8	12	2·7	40·4	
10·0		2·7	44·3	
8·7		3·3	57·9	9·5 –
9·8		27·2	16·7	
8·8		31·7	35·1	9·5
10·0		37·2	42·9	
8·6		40·2	31·1	9·0 –
10·2		42·7	59·6	
10·0		56·2	29·9	
10·0	13	4·2	12·9	
9·4		5·1	59·9	
8·8		25·7	33·0	9·0
9·6		36·7	43·5	
10·0		44·1	59·9	
9·9		45·2	53·5	
10·4	14	7·7	47·6	
10·2		51·2	5·1	
9·9	15	36·7	7·5	
9·6		40·7	4·6	
9·0	16	2·8	3·9	9·5
	+1	31·1	+6·2	

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6361—6420.

mag.	21h. m	s	−32° ′	
9·6	17	9·0	0·9	9·0 G
10·0		13·3	34·1	
8·8		22·8	26·9	
9·4	18	3·1	59·2	
9·9		4·3	41·9	
8·8		6·8	7·3	9·0 −
10·6		13·8	19·6	
9·9		32·8	8·9	
10·2	19	1·5	58·1	
9·9		16·8	18·5	
7·9		30·8	28·6	8·5
9·4		32·8	16·6	
10·6		41·8	35·2	
8·2		45·8	54·7	8·5
8·4		47·3	50·1	8·5
10·0		51·8	17·1	
10·0	20	10·8	20·1	7·8 G−
[illegible]		52·3	54·8	8·5 G
[illegible]		52·8	30·2	
8·2		56·3	45·8	8·0 G−
10·6	21	5·8	3·6	
9·9		15·8	15·7	
8·8		57·0	32·3	8·0 G−
10·6	22	1·8	7·3	
9·8		13·0	36·1	
9·9		19·3	19·9	
10·2		36·3	5·4	
9·9		45·8	48·9	
9·9		56·8	10·3	
9·9		57·3	50·8	
9·4	23	5·5	42·0	
9·6		10·7	56·0	
10·0		21·2	42·5	
10·0		22·2	37·6	
10·0		42·7	8·2	
8·2		55·7	18·7	8·5 G
7·7	24	21·7	5·8	8·0 =
9·8	25	28·7	21·9	
8·4	26	38·2	13·0	9·0 =
8·8	28	35·7	13·3	
9·8	29	12·3	45·6	
10·0		28·7	40·2	
9·4		53·3	36·7	
9·4		53·3	52·2	G
8·2	30	43·3	17·7	8·0 −
9·8	31	20·8	31·6	
10·0		22·9	2·0	
8·2		27·3	28·2	8·5 −
9·2	32	16·3	50·9	9·0
9·4	33	6·3	1·0	
9·6		12·3	23·7	
8·5		33·3	29·2	8·0 −
10·0		54·8	14·1	
10·0	34	41·3	47·7	
10·0		46·3	16·2	
9·4	35	54·8	48·8	
8·2	36	0·3	45·2	−
10·0	37	30·4	37·1	
9·4		46·5	1·4	
8·7		50·9	13·4	
25pr.	+1	30·3	+6·[illegible]	

6421—6480.

mag.	21h.—22h. m	s	−32° ′	
8·5	38	37·9	53·9	8·4
9·2	39	13·9	33·2	
8·7		33·9	31·1	9·0 −
9·4		37·9	59·2	9·5 −
8·0	40	40·4	55·2	8·1 G−
8·4	41	29·9	58·8	9·1 G−
9·7		44·9	3·9	
9·7	42	11·4	35·0	
9·6	44	17·4	42·6	
9·7		24·4	18·6	
8·8		37·4	50·8	
9·4	46	12·9	32·8	
9·8	47	7·6	52·2	
9·2		46·1	23·1	
9·0	49	21·5	59·3	9·5 G
7·7	51	17·6	57·1	8·0 G−
9·4		29·6	47·8	
9·3		53·6	8·7	8·8 GS=
10·0	52	6·1	8·1	9·5 G
9·2		22·1	20·1	
10·0		36·6	29·0	
7·0		37·6	7·3	7·0 GS=
10·0	53	47·6	6·4	9·0 −
9·6	54	31·6	3·0	9·0
9·0		31·6	39·6	9·5 G
7·0	55	14·6	44·1	6·8 GS=
8·0	56	1·1	2·9	7·2 G=
9·9		1·2	52·8	
9·0		10·7	12·3	8·5 G−
9·0		25·2	32·2	
8·0		27·7	57·5	9·0 G−
9·9	58	29·2	20·2	
8·7	59	20·7	10·6	8·2 G=
9·4		38·7	15·1	
9·0		44·7	18·3	
8·4	0	44·6	59·4	8·8 −
10·0	1	36·7	22·0	
10·0		47·7	51·1	
10·0	4	18·7	5·9	
9·1		38·7	31·3	9·5
10·0		44·4	0·0	−
9·9	5	3·7	18·9	
7·8		4·7	40·7	8·2 G=
10·0	6	12·7	31·3	
8·6		42·2	7·2	9·2 ≡
9·6	7	21·2	55·4	9·0
9·6		25·2	49·4	9·5
8·0		47·2	47·1	8·7
9·9		56·7	20·5	
9·2	8	36·2	26·7	
10·0		44·2	23·7	
7·8		44·7	28·9	8·5 GW−
10·0		47·7	7·5	
8·8		57·7	39·5	9·0
9·4	9	3·9	1·0	−
9·2		7·7	7·1	
10·0		21·3	14·7	
7·5	10	27·1	23·3	7·5 GS−
8·7	11	45·4	9·0	
9·8		53·9	54·1	
	+1	27·8	+7·2	

6481—6540.

mag.	22h. m	s	−32° ′	
9·0	12	8·9	19·9	9·0 G
9·0		35·9	53·4	
9·4		41·9	11·2	
8·7		52·4	35·7	
8·7	13	1·4	33·2	G
8·6		53·4	44·8	9·5
9·2		55·4	47·3	
9·4	14	19·9	21·5	
9·5	15	35·9	36·5	
9·6	16	7·4	23·3	
8·6		54·4	6·6	8·5 G−
9·6	17	8·4	52·0	
9·1		17·4	37·6	
10·0	18	57·9	8·1	
9·1	19	27·4	45·1	9·5 −
8·7	20	18·9	25·0	9·5
8·6		24·4	0·5	8·0 G=
7·9		24·9	11·3	7·8 G≡
9·0		48·8	54·3	G−
9·0	21	1·9	54·1	G
9·6		38·4	8·6	
10·2	23	40·2	1·7	
8·8		44·4	11·0	8·0 G=
9·4	24	15·9	45·0	
9·6		18·4	29·3	
4·5		23·7	59·2	4·8 GSπβ
9·1	25	40·4	56·2	G
10·3		53·4	47·0	
9·5	26	16·4	16·3	
9·6		17·4	29·0	
9·6		53·4	16·0	
7·0	27	0·4	47·1	7·0 GS=
9·0		51·4	37·1	
10·3	28	9·9	22·0	
10·3		54·9	57·3	
7·2	29	33·9	18·4	6·5 GStπ
8·4		36·9	17·3	8·0 GWtπ
9·6	30	12·9	20·1	
9·0		18·4	35·3	
9·6	31	21·4	24·3	
9·0		27·4	52·0	9·0 G−
9·6		35·4	21·3	
10·3	32	56·4	45·0	
8·0	33	50·6	38·5	7·0 G−
8·6	34	23·4	16·8	−
9·6		31·9	11·2	
10·3		47·9	13·4	
9·7	35	24·6	53·1	
10·0		38·3	6·9	
7·6		52·8	17·0	8·5 −
10·0	36	58·8	20·6	
8·8	38	32·8	45·7	8·3 G−
7·9	39	48·3	31·4	8·5 −
9·0	41	6·8	30·7	G
8·8		6·8	26·3	G
8·2	43	19·3	29·3	8·0 G=
9·7	44	29·8	30·3	
8·5		32·8	37·4	G−
8·5	45	31·3	29·8	8·2 =
10·0		49·3	42·1	
	+1	25·2	+7·7	

6541—6600.

mag.	22h.—23h. m	s	−32° ′	
9·2	46	34·3	51·5	
9·2		37·3	20·6	
10·0		58·8	35·0	
10·6	48	7·8	0·3	
9·7		42·0	25·5	
7·0		56·6	17·8	6·5 GS=
9·6	49	1·1	35·0	
10·2		11·1	43·4	
9·4		19·1	25·4	
7·0		27·1	13·5	6·8 GS≡
8·8	52	48·6	41·4	
9·7		56·6	4·6	
8·2	53	2·6	21·0	8·5 G=
8·4		39·6	15·8	8·0 G=
9·8	55	22·1	55·6	
9·8		36·6	35·8	
10·0		46·8	0·9	
10·2	56	0·5	0·6	
8·2	57	0·1	47·0	8·0 G≡
11·4	59	33·9	5·3	
10·8	0	12·9	53·4	
10·8		30·4	40·0	
8·0		30·9	56·1	8·7 G−
7·7		40·4	28·6	8·8 =
11·4	1	20·4	14·8	
10·0		51·4	15·0	
9·2	2	16·4	15·8	
8·6		29·4	50·4	8·8 −
9·8		37·4	51·2	9·5
11·0	3	23·9	15·1	
10·2		46·4	27·8	
10·0		51·9	47·2	9·8
8·0		52·4	51·3	8·8 −
8·7	4	6·6	39·7	9·2 G
9·4	5	48·6	47·1	9·5
7·6	6	11·8	59·7	7·8 G−
10·2	7	36·6	7·3	
11·4		46·2	2·1	
10·4	8	58·6	53·0	
10·0	9	25·6	11·6	=
10·6	10	0·6	44·2	
11·4	11	14·1	23·0	
9·0		26·1	44·9	−
11·2	12	51·1	5·6	
9·8		57·7	2·2	≡
9·8	13	1·1	43·3	
9·8	14	6·6	25·6	
10·6		6·6	31·0	
8·8	15	4·6	7·6	9·0 =
9·4		10·9	58·5	
11·2	16	13·6	57·4	
11·4		57·6	46·2	
8·6	17	29·4	0·7	8·8 −
10·6		54·1	7·3	
11·4	18	2·1	37·4	
10·4		36·6	0·6	
10·8		55·1	5·4	
8·8	19	6·6	56·4	9·0 −
8·7		8·9	42·6	8·5 G
11·0		18·4	48·3	
	+1	21·9	+8·1	

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6601—6631.

mag.	23h. m	s	—32° ′	
9·8	19	28·9	33·5	9·0 –
11·0		29·4	6·1	
10·4		42·4	44·2	
9·6	20	10·9	26·8	
9·4		26·9	25·2	
8·7		50·9	19·4	9·0 =
9·8	21	33·1	41·3	
10·2		47·6	5·5	9·0
8·5	22	11·3	4·6	8·0 G≥
9·8		24·6	51·8	
10·0	23	26·0	1·9	
7·4	24	35·8	10·4	7·8 G≥
10·0		57·8	32·2	
7·8	25	3·3	1·5	8·2 GS≡
9·3		12·8	8·4	
9·8		20·8	45·8	
8·6		51·3	55·5	8·2 G–
9·6		52·8	37·3	
10·6	26	13·3	52·8	
9·2		22·8	18·4	
10·6	27	17·8	27·9	
10·0		20·8	38·1	
10·4	28	6·8	46·5	
9·6		16·3	29·5	
10·0		23·3	8·8	
9·3	29	6·3	4·9	
10·4		17·3	13·5	
10·8		47·3	25·7	
10·0		56·8	37·5	
7·3	30	28·3	33·7	6·2 GS=
8·1		33·3	21·4	8·0 G–
25pr.	+1	20·0	+8·3	

6632—6661.

mag.	23h. m	s	—32° ′	
10·0	30	43·3	38·5	
10·0	31	6·8	8·9	
10·2		22·5	0·0	
10·8		30·0	2·2	
8·6		36·3	44·3	9·0
8·4		50·8	28·1	8·5 G=
9·4		59·8	42·0	
8·5	32	26·8	59·5	9·0 G–
9·8	33	31·8	37·9	
9·8		47·8	27·5	G
8·5	34	2·8	36·3	8·5 GS
6·2		3·8	45·7	5·8 GStπ
10·8		6·8	44·6	
10·8		12·3	15·9	
7·3		32·8	45·9	7·0 GStπ
10·2		36·3	8·5	
10·2	35	7·8	19·1	
10·4		17·8	51·2	
10·4	36	6·8	34·2	
10·2		15·9	3·2	
8·8		46·3	33·8	9·5
10·8		53·8	3·0	
10·0	37	9·3	17·1	
10·6		15·8	36·5	
10·8	38	2·0	56·5	
10·0		18·8	48·1	
10·4		27·8	13·5	
10·2		58·3	38·5	
10·4	39	41·3	35·9	
9·1	40	12·8	41·7	8·7 G
	+1	19·1	+8·3	

6662—6691.

mag.	23h. m	s	—32° ′	
9·0	40	22·8	40·5	8·7 G
9·2		34·8	36·2	
9·2		43·9	0·7	
9·8		49·3	2·9	
9·0		55·3	9·4	
10·2	41	23·3	47·4	
10·8		30·8	27·9	
9·3		51·8	44·1	9·0
8·6	42	7·3	51·5	8·5 G–
8·6	43	2·8	5·9	8·0 GW=
10·2		7·3	5·1	
10·0		24·0	58·1	
10·0		54·8	47·7	
9·3	44	30·3	33·9	
9·8		53·8	18·8	
10·8	45	5·3	37·0	
10·4		25·9	59·0	
9·8		32·3	4·3	W
10·0		35·3	37·1	
10·0		45·3	34·3	
10·4	46	44·7	41·0	
10·4		51·2	8·4	
9·2	47	31·7	29·4	–
10·2	48	15·7	0·6	
9·4		22·7	3·6	
6·8		48·7	34·8	6·5 GS–t
5·8		48·7	37·1	6·0 GSct
9·8	49	12·7	58·0	
10·2		28·2	47·8	
10·4		45·7	42·2	
	+1	18·1	+8·3	

6692—6721.

mag.	23h. m	s	—32° ′	
9·6	49	58·4	24·1	
10·2	50	49·9	27·7	
9·8	51	26·9	35·6	
10·0		47·9	18·8	
10·3		51·4	10·9	
10·4		58·8	23·5	
8·4	52	22·9	10·5	8·2 =
10·2		23·9	14·4	
10·0	53	7·9	49·8	
7·5		8·9	23·1	7·5 GS-
10·4		13·9	32·2	
8·2		18·9	54·3	8·0 G–
10·4		38·9	2·5	
10·2	54	2·9	50·1	
10·4		14·4	12·8	
10·4		16·4	52·6	
8·4		53·9	35·8	8·5
10·4	55	2·2	1·6	
10·4		28·9	52·6	
9·6		40·4	27·8	
9·4		52·9	8·0	
10·4	56	6·9	45·2	
9·8		12·9	23·2	
10·3		15·9	59·0	
10·3		23·9	25·8	
8·6		27·9	3·2	8·2 =
8·4	58	2·4	51·6	8·0
8·2		30·9	41·4	7·5 G–
10·3	59	10·8	17·9	
9·0		42·9	8·4	9·0
	+1	17·3	+8·4	

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ZONE — 33°.

1—30.

mag.	0^h m	s	−33° ′	
9.2	0	12.7	17.2	9.0 G–
8.2	1	56.7	23.6	8.0 G≡
9.0	2	16.2	10.1	8.5
10.3		23.7	37.4	
8.7		37.7	43.8	G
9.8	3	7.1	20.6	9.0 G
10.4		11.8	11.0	
10.4		26.6	23.2	G
9.4		48.6	29.0	
9.0		49.5	58.5	9.0 G
10.2	4	17.6	43.1	
9.4		31.1	22.0	
8.4		59.1	29.7	8.8 W=
8.0		59.1	6.0	8.3
10.3	5	23.1	0.1	
8.4		27.6	55.5	8.5 –
8.8		34.6	43.9	
8.6	6	11.6	1.1	8.8
8.4		19.6	59.1	8.5 =
9.0		58.6	49.3	8.5 –
10.4		59.6	23.3	
10.4	7	31.0	19.6	
10.4		39.0	9.6	
10.3	8	15.6	23.0	
9.0		22.1	44.4	8.5 =
8.6	9	12.5	5.7	
10.3		29.6	34.0	
7.2	10	14.3	27.2	7.5 GS≡
6.8		24.8	22.9	6.8 GSct
10.0		30.9	34.6	
25pr.	+1	16.3	+8.4	

31—60.

mag.	0^h m	s	−33° ′	
10.2	13	11.3	46.0	
9.3		45.9	2.1	
7.8	14	0.8	27.6	W≡
8.4		44.8	24.9	
9.4		57.8	27.8	
9.4	15	17.8	45.1	
8.4		20.8	47.3	–
9.3		24.3	12.6	
8.4	17	1.8	51.9	9.0 =
8.0		18.8	33.6	9.0 G
9.8	19	2.3	38.7	
8.9		10.5	48.0	9.0
10.2		19.0	18.7	
9.4		27.5	3.1	
9.2	20	16.5	43.0	8.5
8.2		56.5	7.4	
8.4	21	27.5	4.7	
6.4		43.0	41.8	GSctπ
8.4	22	27.5	27.4	G
10.2		45.5	46.8	
9.2	23	20.6	17.2	
7.5		22.1	15.9	7.5 GS=
9.0	24	11.1	24.9	G
9.0		52.1	19.2	
9.4	25	25.6	0.3	
9.8		53.3	38.0	
9.4	27	35.3	10.5	
10.2		38.1	29.9	
9.8	28	7.3	13.5	
10.2		17.8	0.3	
	+1	14.8	+8.3	

61—90.

mag.	0^h m	s	−33° ′	
9.2	28	28.1	47.0	
9.4	29	8.6	15.6	9.0
10.2		40.5	18.2	
10.2	30	3.0	25.8	
9.2		32.0	57.2	
9.6	22	11.0	20.8	
10.2		26.c	22.0	
9.0		50.4	53.1	
10.2	33	31.0	21.3	
10.2	34	17.7	14.8	G
9.4		41.0	27.2	
9.0		49.5	26.2	
10.4	35	26.9	6.3	
8.7	37	12.9	37.9	9.0 –
10.2		20.9	52.4	
9.6	39	0.6	57.1	
10.6		5.9	54.7	
10.0		37.9	50.9	9.5
10.5		42.5	56.0	
9.4	40	4.9	58.1	9.5
9.2		25.9	7.1	G
8.4		26.6	49.6	8.5 G–
8.6	41	35.9	8.4	8.5 G
8.9		55.0	1.2	8.5
10.0	44	3.8	12.0	
10.0	45	2.3	12.6	9.5
10.4		55.8	16.2	
10.6	46	30.8	5.1	
8.5		56.8	20.4	8.8 G
7.6	48	2.8	0.8	8.0 GSct
	+1	13.2	+8.2	

91—120.

mag.	0^h–1^h m	s	−33° ′	
9.8	48	9.3	8.7	
8.7		51.3	17.7	
10.6	49	2.8	43.8	
10.6	53	10.2	6.9	
10.4		13.8	1.2	
9.6		32.8	46.7	K
9.4	54	3.8	17.9	9.5 G
9.6		13.3	41.1	
9.4	55	4.8	23.4	9.0
10.4		23.3	7.8	
10.6		38.8	51.5	
10.0	56	19.8	36.0	
9.2	57	14.5	24.9	–
10.6		57.3	53.9	
9.7	0	31.8	17.8	9.5
10.8		51.8	59.9	
9.7	1	0.8	25.3	
9.8		1.8	40.1	
10.0		5.8	8.8	
8.6		47.1	28.8	7.8 GS–r
9.7		59.6	54.0	
9.6	2	16.1	27.4	9.0
9.0		23.1	3.7	G
9.0		30.1	5.7	9.0 G
9.6	3	21.1	52.8	
10.0	4	5.1	19.3	9.5 G
9.8		53.1	37.2	
10.6		55.1	16.9	
11.0	5	38.3	7.4	
11.0		41.8	16.9	
	+1	11.0	+8.1	

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121—180.

mag.	1h. m	s	−33° ′	
11·0	6	21·3	18·4	
9·2		41·8	2·6	9·3
11·0		47·3	50·8	
10·5	7	7·8	22·0	
9·2		31·1	24·2	9·5 G
9·2		32·8	29·0	9·0 G
10·5	9	32·1	58·0	
11·0		35·3	32·2	
9·4		52·3	18·3	
11·0	10	6·8	26·0	
8·6		31·3	22·5	
9·2		32·3	42·1	9·0
11·0	11	12·3	3·6	
8·9		46·3	51·8	9·5
9·4	12	19·3	19·1	9·5
8·1		26·7	47·8	7·5 GS–
9·7		50·7	50·9	9·0 –
11·0	13	8·7	17·1	
11·0	14	11·7	19·0	
9·7		14·7	31·7	
7·8	15	51·7	53·2	7·0 GS=
9·4	18	52·7	12·9	
10·6	19	13·7	30·4	
9·2	20	42·7	12·1	9·0
9·8†	21	12·0	11·6	6·0 G
10·4		53·2	10·8	
8·4	22	42·8	39·7	9·0
9·2	23	18·8	59·9	9·0
8·2		42·8	58·1	8·5 –
9·2	24	14·3	41·8	9·5
8·8	28	23·3	12·1	8·8 G
10·1		38·8	59·9	
10·0	29	30·3	19·8	
10·1		30·8	26·1	
9·8		41·8	14·5	
9·6	30	25·8	20·3	
10·0	31	25·8	57·9	
10·1	32	3·2	13·8	
9·1		29·2	38·3	
10·0		53·6	10·5	
10·0	33	24·8	23·1	
9·1		39·8	24·2	
9·3	34	30·3	27·3	
10·1	37	50·8	2·9	
8·4	39	16·8	27·2	8·3 G–
10·0	40	39·3	14·9	
9·3		41·8	38·9	
8·2	41	40·8	19·1	8·5 G–
10·0	42	2·3	7·0	
9·6		7·8	34·1	
9·4		57·3	13·4	9·0
9·3	43	0·8	6·0	
8·8		15·8	31·1	8·5 G
8·8	44	4·8	45·5	9·0
8·9	45	22·8	54·0	9·5
8·9		22·8	14·6	
10·1	46	11·8	34·8	
9·6		14·6	30·9	
10·2		29·0	35·9	
7·3		36·5	9·5	8·1 G
25pr.	+1	8·7	+7·8	

181—240.

mag.	1h.–2h. m	s	−33° ′	
9·4	47	4·5	20·3	
8·5		10·5	51·4	9·0 –
7·5		25·6	23·6	8·0 G
8·0		31·6	55·6	8·0 G–
7·7		36·6	25·4	8·0 G
9·2	48	25·6	23·6	
9·6		30·1	9·5	
9·4	49	52·6	13·2	
9·4	50	45·6	6·0	9·2 G
8·8	51	5·6	34·8	9·0 G–
9·4		32·6	47·0	
10·2		43·6	8·5	
8·8	52	31·6	7·6	9·0 G
9·9		31·8	55·7	
9·2		33·1	0·7	9·2
9·2		35·1	20·6	9·0
7·0		55·6	40·4	6·5 GS–
9·0	53	6·6	50·4	9·5
9·9		40·8	33·7	
8·8	54	2·6	42·1	9·0
9·4		32·2	43·1	
9·2		37·7	55·4	9·5
9·6	56	0·7	38·9	
9·2		1·2	29·7	
9·8		50·2	56·1	–
9·2	57	21·7	5·3	9·0 G
9·9		29·8	14·2	
8·2	58	30·2	7·1	8·2 G–
9·0		43·2	8·9	9·5
9·0		46·7	5·4	9·3
9·0		49·2	45·3	9·5 G
8·6	59	13·2	41·0	9·0 G–
9·9		43·2	6·9	
9·2	0	36·2	19·9	9·0
8·8		52·2	5·9	9·5 G–
10·2	2	12·7	38·4	
9·4	4	11·7	12·0	
9·2	6	48·7	26·2	
9·9	8	5·3	48·9	G
7·8		6·3	55·3	7·0 GS=
9·8		12·8	37·6	
9·4*	9	15·7	59·9	
10·0		16·8	36·9	
10·2		19·5	23·3	9·5
8·6		51·3	3·0	8·5 G–
9·8	10	3·5	22·6	9·5 G
9·8		27·5	26·8	
8·4	11	32·5	34·5	9·0 G
10·4		40·0	12·1	
10·0	12	1·5	50·0	
9·8		15·0	51·4	
9·8		20·0	57·7	9·5
10·0		26·0	49·9	
9·8		38·5	19·2	
10·0	13	11·5	37·6	9·5
9·8	14	33·5	34·8	
8·2	15	1·7	1·2	8·5 G–
9·4		51·5	39·9	10·0
10·2	16	30·5	10·6	
8·0		59·5	31·2	9·0 G
	+1	5·9	+7·3	

241—300.

mag.	2h. m	s	−33° ′	
10·4	17	11·0	14·9	
10·4		24·0	13·8	
9·9†	18	11·7	59·7	
9·8		23·5	16·5	
10·2	19	32·0	30·6	
9·2	20	8·0	17·3	8·5 G
8·6		17·0	44·6	9·0 G
8·8		17·0	24·0	8·5 G
10·4		59·0	47·8	
9·2	21	54·0	51·3	
10·0	22	10·0	48·8	
9·8		14·0	34·9	
9·0	23	15·5	29·3	9·5 G
7·7	24	57·0	39·8	8·5 GS
9·8†		57·9	58·0	
7·2	25	28·0	33·7	8·0 GS
9·4		55·0	13·7	
7·4	26	52·5	9·7	7·0 GW–
8·0	28	20·0	22·6	7·8 GS–
7·5		53·0	39·8	7·5 GS
9·0	29	7·5	16·1	8·5 G
9·4		23·0	1·1	8·8 G–
9·8		29·7	55·8	
10·2		41·2	36·1	
10·0	31	12·2	54·3	
8·4		41·7	13·9	G–
9·0		54·2	26·9	G
8·4	32	8·2	37·0	G
10·2		33·2	42·6	
9·8		50·7	53·9	
9·8	33	7·6	11·4	
10·2	34	43·0	45·1	
8·7	35	39·5	12·6	9·5
10·2	36	11·0	35·3	
8·2		20·5	38·4	9·0
10·4		51·4	17·2	
9·8	37	21·5	54·7	
9·8	38	25·5	48·9	
7·5		27·0	34·6	7·2 GS
8·3		47·0	42·1	7·5 G
6·6	39	6·3	3·3	6·5 GStπ
10·2		46·8	44·8	
10·2	40	5·3	54·9	
10·4		37·0	49·8	
8·0	41	21·8	3·6	8·8 GS
10·2	42	9·3	35·1	
9·8		49·8	6·7	
9·9	44	44·8	40·8	
9·0	45	14·3	31·1	9·5 G
9·2	46	36·8	12·0	
9·2		49·8	8·0	G
8·3	47	6·8	57·9	8·5 G–
9·8		10·8	48·8	
8·6		24·8	8·7	G
9·1	48	36·8	22·5	9·5
9·8		38·3	29·6	
8·4		58·8	40·9	
8·4	49	33·8	26·5	8·2 G–
9·0	50	59·8	10·2	G
9·8	51	2·8	16·7	
	+1	3·1	+6·6	

301—360.

mag.	2h.–3h. m	s	−33° ′	
9·1	51	22·3	17·6	
10·2		46·3	54·7	
10·6		54·0	37·1	
9·1	53	10·8	20·5	
7·8		11·8	39·1	8·5 Gt
9·8		43·8	29·9	
8·6	54	2·3	24·7	8·2 G–
9·6		22·3	8·8	
6·3		28·8	0·4	6·2 GStπ
10·0		35·3	50·8	
7·2	55	56·3	36·3	7·0 GSt
8·1	56	3·8	40·7	8·0 GS
10·6		14·3	11·1	
9·2	57	47·4	32·8	G
9·6		52·5	33·9	G
9·0	58	29·2	25·0	9·0 G
10·2		33·8	50·1	
9·4	59	37·0	2·8	8·5 G
10·4	0	7·7	22·0	10·0
8·9	1	11·2	56·0	9·0
9·2		28·2	9·1	8·8 G
9·7		35·2	44·0	
8·8		45·2	11·8	8·8 G
9·0	2	5·7	47·0	9·2
10·2	3	50·4	16·8	
8·4	5	8·2	49·4	9·0
8·4		23·2	31·3	7·7 G
10·4	6	2·7	22·0	
8·0		48·7	15·2	8·5 G
9·7	7	9·4	25·4	
9·4		37·2	23·2	
8·0	8	50·2	17·7	7·8 G
10·0		56·4	49·3	
9·7	9	12·7	7·1	9·5
8·0		48·7	53·7	8·2 G
9·0	10	30·2	38·2	8·8 Gt
10·0		44·4	15·7	G
9·0		45·7	16·0	9·5 G
10·0	11	5·2	7·8	
10·2		22·2	26·8	
8·8		30·2	16·8	9·5
8·4		55·2	23·2	8·5 G
9·4	12	36·7	42·0	
10·4		43·7	32·2	
9·6	13	40·2	15·4	
10·6	14	32·7	17·5	
9·2	16	58·9	46·4	
9·0	17	21·4	26·4	
9·4		47·4	46·7	
7·9	18	43·4	9·1	6·7 GSct
9·4	20	52·6	15·5	
9·7	21	53·6	53·9	10·0
9·8	22	42·4	24·6	
9·8	23	20·4	0·6	
10·3		29·4	11·3	
9·4		33·4	13·1	
8·6		45·9	38·3	8·8
8·2	24	52·9	4·2	9·0
8·6	25	41·5	57·6	9·0 G
10·2	26	26·4	7·9	
	+1	0·7	+5·7	

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361—420.

mag.	3h. m	s	—33° ′	
7·6	26	28·7	58·4	7·3 GSt
10·2		36·9	7·4	
8·8	27	25·9	55·4	8·7 G
9·4		34·9	50·7	
10·2		39·9	58·3	
9·8	28	5·9	52·7	
9·2		58·4	51·4	9·0 G
8·6	29	37·4	26·4	9·0 G
10·3	30	7·4	24·2	
9·8	31	20·9	42·7	
8·6	32	21·9	40·6	9·5
10·3	33	1·4	6·0	
8·2		6·9	9·1	8·5 G
8·6		44·9	12·9	8·2
10·3	34	57·9	15·8	
9·4		59·4	50·2	
9·6	35	14·4	35·8	
10·2		29·9	37·6	
10·4		38·4	8·9	
9·2	36	46·1	47·5	8·5 G
9·0	37	13·1	35·6	
9·6	38	10·6	25·9	
8·2		35·1	53·8	8·5 G
8·6		39·1	33·1	9·0 G
10·3	39	16·1	10·3	
9·6		23·1	2·4	9·2 G
8·8	40	10·6	50·6	
8·6		27·6	1·9	8·5 G
9·6	41	2·6	37·1	9·0
10·4		8·1	43·3	
9·4		23·1	52·3	
8·8		44·1	18·6	9·5
10·4		51·3	54·0	
9·8		52·1	52·8	
9·8	42	12·1	40·2	
9·4		55·6	3·2	
9·0	43	6·6	58·7	9·0 G
9·8		47·1	29·2	9·5 G
8·2	44	10·6	28·0	9·0 G
8·8		36·1	23·6	9·2
8·2	45	18·6	29·5	8·0 GSt
10·3		49·1	41·3	
9·4	46	2·1	2·1	
10·8†		29·8	58·7	
9·8	48	16·6	39·8	
9·9		25·1	21·7	10·0
10·8†		32·3	57·8	
9·0		34·6	21·7	9·0
9·1	49	15·1	50·1	
9·6		49·6	24·7	
8·5	50	43·6	34·8	7·8 G
9·8	51	3·6	21·6	
10·2		4·6	54·0	
10·2		16·1	2·0	10·0
8·2		48·8	34·8	8·5
9·1	53	51·8	50·0	9·0 G
9·6	54	4·8	53·1	9·5 G
9·6		31·8	7·3	
9·0		32·8	48·6	
9·6	55	33·3	24·3	9·5
25pr.	+ 0	58·6	+ 4·8	

421—480.

mag.	3h.–4h. m	s	—33° ′	
9·4	56	2·8	24·4	9·2 G
9·8		10·3	10·1	
9·4		22·8	19·1	9·5
10·1	57	3·8	29·7	
9·0	58	15·3	20·1	9·5
9·2		32·5	2·4	10·0 G
9·4		53·3	39·2	
9·6	59	2·3	14·6	
9·1		23·3	46·0	10·0
10·1		38·8	47·9	
10·0	0	0·6	2·0	
9·4		6·8	22·3	
9·6		9·2	33·5	
9·9		13·7	53·7	
9·0		35·7	8·9	9·0
9·4		38·2	55·0	9·2
9·6		59·7	47·7	
8·8	2	5·7	42·9	9·5
9·6		33·2	45·2	
10·1		51·7	49·5	
9·7	3	3·7	5·3	
7·5		28·2	11·3	7·8 GS
8·9		28·7	35·4	9·5
9·4	4	10·2	43·9	9·0
10·1		17·2	9·0	
8·4		46·7	18·1	7·8 GS
9·0	5	13·2	28·8	8·5 G
9·4		22·7	17·8	
9·8		26·2	35·0	
9·4	6	11·2	29·9	10·0 G
9·7		16·2	45·0	
9·0		38·2	10·0	9·8 G
9·2		39·7	40·3	
9·6		48·2	16·3	
10·1	7	38·7	33·0	
9·1	8	6·7	27·6	9·2 G
7·8		14·2	7·0	7·5 GS
8·9		49·2	49·4	8·8 G
9·4	10	42·6	31·3	
9·8		55·1	41·2	
8·9		57·6	17·7	9·0 G
9·4	12	46·6	45·6	
9·5	13	3·6	59·7	
10·0		9·1	26·5	
8·9		12·6	53·9	
10·0		28·6	4·2	
9·3		29·6	57·0	
9·6		49·1	35·9	
10·4	14	20·6	56·8	
8·9		26·6	28·9	
9·4		29·1	38·6	
9·4		43·6	21·3	
8·9	15	29·6	18·3	9·5
9·8		58·6	43·4	
9·8	16	2·1	55·4	
8·4		12·6	10·4	8·0 G
10·4		45·9	53·7	
9·8		47·9	16·9	10·0 G
10·4	17	46·9	53·7	
9·8	18	2·9	24·2	
	+ 0	57·4	+ 4·0	

481—540.

mag.	4h. m	s	—33° ′	
9·6	18	27·9	56·7	
10·4		51·8	1·4	
8·9		52·4	45·3	
10·0	19	4·9	51·3	
9·8		17·4	28·1	
10·4		42·9	30·1	
8·9	20	21·4	0·8	8·7
10·4		29·8	42·1	
8·8	21	5·9	14·3	9·0
7·3		44·9	6·0	7·0 GS
9·5		46·9	39·8	
8·9	22	31·9	3·2	8·5 G
9·4		35·3	3·9	9·5 G
9·8		47·3	31·8	
8·7		55·8	26·4	9·0
9·5		57·3	50·5	
8·9	23	5·8	46·4	9·5
9·0		11·3	7·5	9·0
10·2		12·3	4·5	
8·8		21·3	41·6	10·0
10·2		32·3	41·7	
9·8		32·8	31·9	
9·8		58·3	20·7	
8·8		59·3	41·8	9·0
10·4	24	41·8	17·0	
9·0		43·3	51·0	9·5 G
10·4		53·3	22·4	
10·1		58·8	44·5	
9·2	25	15·8	49·0	9·2
9·8		32·3	6·0	9·8 G
9·5		32·8	19·7	9·0
9·5		54·3	46·0	
9·6	26	2·8	43·0	
9·8		10·3	26·4	
10·4		13·3	32·4	
10·4		21·8	49·0	
10·4		27·8	28·9	
10·0		35·8	17·2	
9·6		39·3	22·3	
9·0		42·5	10·7	
10·4	27	22·0	0·1	
10·4		47·5	52·0	
10·4	28	3·5	15·8	
7·6		13·5	21·8	8·5 G
10·4		16·0	29·5	
10·4		16·0	5·1	
10·4		17·5	45·6	
9·4		19·5	34·4	
10·4		41·5	13·7	
9·6		47·5	22·6	
9·6		49·0	45·0	
9·3	29	1·5	55·1	
8·0		56·2	54·4	7·5 GS
9·0	30	2·2	24·1	
8·4		15·2	36·3	7·5 G
10·1		21·2	31·9	
9·6		21·8	56·8	
9·8		36·2	1·7	
9·0		56·2	26·2	8·5 G
9·6		56·2	46·4	
	+ 0	56·5	+ 3·3	

541—600.

mag.	4h. m	s	—33° ′	
9·8	31	21·2	10·1	
9·8		52·2	32·9	
9·3		55·7	18·1	
8·2	32	1·7	51·7	9·0
8·9		4·7	46·3	
10·1		7·2	45·2	
10·1		8·7	33·8	
9·6		22·2	49·1	
9·8		46·7	33·4	
9·3	33	8·2	30·1	
9·2		15·9	55·3	
11·0		17·1	1·8	
9·7		25·7	56·9	
9·2	34	6·2	27·0	
10·8		11·7	29·9	
10·4		34·2	6·8	
10·8		34·7	52·1	
7·8		39·2	40·6	8·0 G
9·0	36	12·7	18·5	9·0 G
10·6		26·2	2·7	
9·1		28·2	43·8	
8·0		58·7	5·2	8·8
10·2	37	1·2	29·3	9·0 G
11·0		13·2	19·7	
10·8		51·7	29·8	
10·8	38	1·2	33·5	
9·2		11·2	58·9	
10·3		16·7	0·0	
8·1		18·7	39·9	
10·3		38·7	47·9	
10·3		55·7	43·5	
11·0	39	3·2	31·0	
9·0		14·9	1·3	
9·1		43·2	44·8	
11·0		52·7	11·7	
9·0	40	3·7	6·2	9·5
9·9		13·1	14·0	
8·0		26·3	15·7	8·5
10·8		49·7	29·0	
10·0		58·7	7·9	
10·8	41	7·7	28·7	
10·8		12·2	55·9	
10·3		12·2	30·1	
8·6		13·2	25·8	9·0
8·8		28·7	52·3	
10·0		44·7	22·7	
10·4		48·7	50·6	
9·7		52·7	59·4	
11·0		56·7	45·3	
10·8	42	13·7	33·2	
9·0		14·7	24·2	
9·2		25·2	35·3	
11·0		28·2	22·6	
11·0		34·1	16·2	
8·5		39·0	50·1	9·0
8·6		44·5	22·9	9·5 G
9·4		59·5	22·8	
10·8	43	5·2	12·1	
11·0		22·0	11·3	
8·6		28·0	30·0	
	+ 0	56·0	+ 2·9	

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601—660.

mag.	4h. m	s	—33° ′	
9.1	43	43.5	5.5	9.0
9.2		52.0	48.7	
10.6	44	2.5	32.3	
7.8		18.5	41.5	8.5 G
10.8		22.5	14.9	
10.8		28.0	8.3	
8.1		53.0	18.5	8.5 G
10.2	45	11.0	6.2	
10.8		12.0	0.3	
10.0		27.5	50.5	9.5
10.3		32.0	45.1	
9.4		49.5	10.5	
9.1	46	34.0	59.5	
9.4		41.0	6.9	9.2 G
8.2	47	9.5	28.7	
9.4		13.0	19.0	
9.7		21.5	43.8	
9.0		22.0	36.3	
10.8		33.0	0.7	
9.4		46.0	12.2	9.5
8.8	48	6.0	18.3	9.0
9.9		14.5	13.8	
9.4		23.6	2.6	
9.2		27.0	11.8	
9.4		37.0	27.4	
10.8		44.5	18.2	
10.8	49	3.5	42.5	
9.7		5.5	44.9	
10.8		8.0	13.4	
11.0		15.0	49.9	
10.8		26.5	23.9	
10.8	50	16.0	9.7	
9.2		25.0	56.0	
9.4		29.0	28.5	
9.4		35.0	32.9	
9.7		46.5	41.9	
11.0		48.5	3.7	
11.0	51	21.0	3.8	
9.9		24.5	2.9	
10.8		51.5	41.9	
9.2		58.0	11.6	
10.4	52	5.3	1.8	
8.6		8.0	35.7	9.2 G
11.0		11.0	3.8	
8.6		17.5	39.5	8.7 G
9.9		17.5	19.7	
8.5		28.5	29.9	8.2 G
8.8		31.0	21.3	8.5 G
9.0		31.5	52.7	
10.8		43.0	15.8	
10.6		44.5	53.7	
8.4	53	5.5	15.7	7.8 G
9.0		15.3	0.4	9.2
8.4		32.0	1.2	8.5
10.0		42.5	28.0	
10.6		43.0	4.7	
8.6		45.5	52.7	
9.1		46.0	38.7	9.0
9.0	54	45.5	9.8	10.0
10.8		46.5	3.8	
25pr.	+0	55.7	+2.5	

661—720.

mag.	4h.–5h. m	s	—33° ′	
9.0	54	52.5	46.4	
11.0		59.0	13.2	
9.4	55	2.0	46.1	
10.8		9.5	47.2	
9.4		21.5	19.9	
10.8		28.1	1.5	
9.8		36.5	16.4	
9.0	56	16.5	35.5	
11.0		43.5	13.8	
10.4	57	6.5	25.4	
11.0		39.0	20.9	
10.8		41.5	26.8	
10.8		41.5	38.6	
9.4		50.7	42.9	
9.0	58	5.8	20.0	9.0
8.4		5.8	19.5	8.5
9.4		7.5	17.5	
9.4		58.8	59.9	9.0
10.5	59	3.0	51.7	
10.5		23.5	33.6	
9.5		42.5	7.4	
9.2		59.5	4.3	
10.8	0	25.0	23.6	
11.0		26.0	53.7	
9.6		43.5	19.0	
9.4		50.5	22.5	
9.5		52.8	58.8	
9.3		56.0	50.1	
9.5	1	2.5	18.0	
9.5		12.5	43.0	
9.0		19.5	16.9	8.5 G
8.6		20.0	13.3	8.5 G
9.6		27.5	36.6	8.5
9.3	2	16.5	44.7	
10.8		17.5	52.2	
10.2		23.0	36.4	
11.0		49.0	3.6	
10.8	3	39.0	47.8	
11.0		43.5	44.1	
9.4		54.5	29.1	
8.1	4	6.5	55.5	G
8.4		9.5	27.4	8.5
10.2		15.5	6.4	
10.4		16.0	50.4	
10.5		22.0	33.0	
11.0		46.5	16.0	
8.4		50.5	2.1	8.5 G
10.6		59.5	4.7	
9.8	5	0.5	5.1	
8.6		8.5	40.7	7.8 G
11.0		20.0	3.4	
10.5		25.6	58.9	
8.8		31.5	56.2	8.8 G
10.5		37.5	32.8	
9.5	6	6.5	16.1	
10.8		23.5	37.6	
9.3		27.5	49.9	9.0
9.7		44.5	17.4	
10.6		49.5	10.2	
10.2	7	6.5	7.7	
	+0	55.4	+2.1	

721—780.

mag.	5h. m	s	—33° ′	
9.7	7	8.5	36.1	
9.8		14.0	31.7	
10.6		28.0	4.5	
8.8		29.5	26.1	9.0
10.5		38.5	26.0	
11.0		40.5	25.0	
9.4		43.5	32.7	
9.7		44.5	29.7	9.5
10.6		52.5	8.3	
9.7		57.5	33.8	
9.7	8	13.0	23.4	
11.0		17.0	6.3	
8.8	9	2.0	10.2	9.0
9.8		12.0	26.7	
10.0		22.5	19.0	
8.1		43.5	29.4	8.0 G
10.1		50.0	34.2	
11.0		50.5	51.0	
10.5	10	5.5	5.3	
8.6		30.2	33.1	8.3 G
11.0		48.7	27.9	
11.0	11	4.2	47.7	
9.3		16.7	46.5	9.5
9.3		26.7	44.4	9.0
9.7		30.7	42.3	
8.0		43.7	12.3	8.0 G
8.0		48.7	40.5	7.0 GStπ
9.2		56.7	13.4	9.0 G
10.2	12	20.7	44.3	
10.4		51.7	44.8	
9.6		52.7	21.1	
10.4		54.7	52.9	
9.8	13	6.7	17.9	
7.6		9.7	34.0	8.0 G
8.1		32.7	34.4	8.3 G
11.0		33.7	49.3	
9.7		38.7	17.7	
9.8		58.2	22.7	
8.8	14	43.2	50.3	8.0 G
9.2		48.2	11.5	
8.8		52.7	32.9	9.3 G
11.0	15	16.7	0.9	
9.4		21.2	33.6	
9.6		23.7	29.9	
10.4		46.7	31.3	
9.2		47.2	31.5	
11.0	16	6.7	1.3	
9.2		23.7	44.6	9.0 G
10.5		30.7	57.1	
10.6		40.2	53.6	
10.8		42.2	44.1	
9.5		45.2	50.4	
10.4		45.7	25.8	
9.7		46.2	43.2	
10.6		51.7	7.5	
10.4	17	6.2	39.5	
9.6		11.2	15.4	
10.8		24.2	59.2	
9.3		42.7	52.7	9.5
9.5	18	13.2	15.3	
	+0	55.1	+1.7	

781—840.

mag.	5h. m	s	—33° ′	
10.2	18	18.2	52.7	
10.1		47.2	34.6	
9.2		59.2	29.0	
10.6	19	4.7	44.7	
10.1		7.7	50.6	
10.4		11.7	17.7	
10.0		17.7	4.0	
11.0		26.7	21.2	
9.0		27.7	51.5	9.0
10.2		33.2	50.0	
9.2		58.2	18.2	
10.5	20	2.2	17.1	
9.2		3.7	16.6	9.5 G
9.3		24.7	11.5	
10.5		37.7	33.3	
11.0		44.7	33.5	
11.0		45.7	33.8	
9.5	21	6.2	7.0	
9.7		7.2	22.3	
10.5		17.0	1.7	
10.5		20.2	11.2	
9.0		34.0	42.6	
9.3		36.2	27.8	
10.8		42.2	7.4	
9.2		44.0	16.4	9.0
10.5	22	9.3	41.4	
9.0		27.0	2.2	
9.4		43.0	59.3	
8.6	23	3.3	54.3	9.5
9.2		21.8	45.7	
9.8		22.3	49.3	
9.8		26.0	58.7	
9.8		57.3	34.0	
9.4	24	1.8	33.6	
9.2		4.8	26.7	
9.4		6.3	32.8	
9.2		17.8	56.0	8.5 G
9.6		18.8	10.5	
10.2		22.3	34.2	
9.4		30.3	7.2	
9.4		31.8	31.4	
9.2		52.8	1.6	
10.5		53.3	3.7	
9.2	25	8.3	22.4	
9.8		34.8	53.7	
9.0		36.8	26.1	
8.6		52.3	37.8	8.5
10.2		54.3	3.1	
10.0	26	13.8	59.7	
10.0	27	5.8	12.1	
8.2		7.3	28.6	8.5
10.2		31.1	28.5	
10.2		34.6	31.1	
8.7		43.1	37.2	8.0
8.2	28	3.6	25.2	8.5
10.2		14.6	36.3	
9.8		21.6	15.1	
9.5		22.4	58.4	
8.9		38.1	3.2	9.0 G
10.0	29	1.1	34.5	
	+0	55.0	+1.3	

841—900.

mag.	5h. m	s	—33° ′	
9·4	29	4·6	24·1	
10·0		10·1	33·1	
10·2		22·6	7·7	
9·8		23·6	12·0	
9·0		39·1	34·8	
9·4		42·1	30·6	
9·4		43·1	18·9	
8·4	30	28·1	40·2	8·0 G
9·0		30·1	10·1	
8·6		37·1	38·9	8·5 G
6·9		39·6	9·9	6·0 GSct
10·2		48·6	46·5	
7·0		52·1	21·1	7·0 GSct
9·4		52·1	15·2	
10·0		52·1	52·2	
10·0		58·1	31·1	
10·2	31	8·6	23·8	
10·4		14·1	36·4	
9·8		28·1	52·1	
10·5		40·6	8·6	
10·4		50·1	27·4	
9·5		58·1	18·6	
9·0	32	13·1	44·8	
10·0		14·1	48·2	
10·4		17·1	11·9	
8·6		23·1	55·0	8·5 G
8·4		33·1	53·8	8·5 G
10·2	33	4·1	6·8	
10·2		12·1	38·8	
10·0		14·1	31·1	
10·0		26·6	8·0	
10·2		34·6	59·4	
9·8	34	3·6	8·3	
9·8		7·6	5·2	
10·0		42·6	0·3	
10·2		48·1	11·7	
8·9	35	0·1	3·0	9·0 G
9·2		2·1	11·8	
10·4		15·1	37·1	
10·0	36	2·1	22·5	
8·4		23·6	22·0	8·5
9·0		52·1	9·7	9·0 G
6·2		52·6	27·7	6·5 GStπ
8·9	37	2·6	44·2	9·0 G
9·0		4·6	31·1	9·0
9·6		11·6	56·0	
10·4		18·1	37·6	
8·8		44·6	15·8	9·0
9·4		53·4	16·4	
8·3		57·9	4·0	8·5
10·[illegible]	38	4·4	22·0	
9·[illegible]		7·4	46·9	
10·0		22·9	10·8	
8·3		40·9	28·9	7·0 GStπ
10·4		52·4	5·9	
9·8	39	1·4	32·4	
9·2		31·0	57·0	
10·0		40·9	11·1	
10·0		47·2	56·8	
10·4		55·9	58·3	
25pr.	+0 54·9		+1·0	

901—960.

mag.	5h. m	s	—33° ′	
10·4	40	6·4	5·0	
10·0		16·9	24·1	
10·4		17·4	2·5	
10·2		20·4	20·5	
9·4		22·4	46·1	
9·4		34·4	47·7	
9·4	41	21·9	3·7	
8·8		41·4	1·8	8·8
9·0		52·7	46·2	
9·0		53·4	50·8	
9·5		54·2	18·1	
10·4	42	3·2	15·3	
8·8		22·7	48·1	8·8
10·2		24·2	10·6	
10·0	43	13·2	36·8	
8·6		18·7	27·9	9·0
9·4		38·7	16·5	9·0 G
8·1		45·2	28·3	7·0 GSt
10·0		45·7	47·9	
8·9	44	2·2	14·2	9·0
10·2		5·7	58·8	
9·0		13·7	54·8	9·0
10·2		21·2	6·6	
10·4		50·7	34·9	
9·8		57·7	14·5	
10·2	45	6·2	43·0	
9·6		45·4	52·3	
8·6		55·0	23·4	8·8
10·2	46	12·7	17·4	
9·8		31·9	36·0	
10·4		40·9	43·8	
9·4		45·5	51·4	9·0
9·4	47	0·2	17·5	
10·2		11·8	54·0	
8·8		20·8	16·7	
9·8		27·3	42·1	
8·8		49·8	50·9	9·0
5·0	48	34·8	49·9	5·0 GStπ
10·4		47·8	32·3	
10·2	49	1·3	6·0	
10·0		2·8	12·0	
9·7		4·3	11·1	
10·2		15·8	2·5	
10·4		37·3	51·8	
8·6		46·8	54·2	8·5
9·7		52·8	29·6	
8·8		58·3	47·9	9·0
9·6	50	0·3	44·8	
8·6		5·8	38·5	8·5 G
8·8		11·6	57·7	9·0
8·5		23·8	41·2	8·0 G
9·6		24·3	14·8	
8·5		33·6	56·9	8·5
10·0	51	18·8	21·9	
8·6		20·8	44·6	9·0
9·5		21·8	53·2	
9·7		32·8	23·7	
10·4		42·9	15·3	
7·3		58·3	27·1	7·8 GS
9·6	52	21·8	9·4	
	+0 54·7		+0·5	

961—1020.

mag.	5h.–6h. m	s	—33° ′	
8·6	52	23·8	50·4	9·0
8·8		25·8	30·0	9·0 G
9·7		57·8	33·2	
9·2	53	28·3	34·4	
8·8		40·3	31·1	
10·0		54·3	16·0	
9·0	54	2·4	57·3	
10·0		4·3	27·8	
9·7		34·8	27·2	
7·8		38·3	49·6	8·5 GS
9·8		52·3	50·1	
8·8		53·3	31·4	
9·1	55	11·8	5·3	
9·2		13·3	37·3	
9·2		27·8	25·6	
9·4		43·8	36·0	
9·2		58·3	41·1	
9·7	56	2·2	21·7	
9·4		16·2	4·0	
7·4		44·2	54·8	6·0 GStπ
8·8		50·8	57·6	9·5
10·4		56·7	59·3	
8·8		57·2	44·7	8·5
9·7	57	14·2	9·8	
9·8		18·7	5·0	
9·7		22·2	4·9	
9·7		47·7	14·6	
9·4		59·2	28·4	
10·0	58	2·2	32·1	
8·6		2·2	39·3	9·0
8·0		17·7	18·2	8·5
9·5		35·3	1·0	
9·7		41·2	30·1	
9·7		51·3	20·1	
8·8		53·2	37·9	
8·8		53·2	4·4	8·5 G
9·8	59	6·2	13·6	
9·1		48·2	31·9	9·0
9·8		52·2	51·5	
9·1		55·2	56·1	8·5 —
9·6	0	4·7	4·6	
10·0		20·2	14·3	
9·4		36·2	8·3	
7·2		55·2	29·4	GS–g
9·0		58·2	16·3	
9·0	1	17·2	23·9	
8·8		22·2	21·4	
7·1		30·7	12·5	7·2 GS
10·4		32·2	21·9	
9·7		41·7	0·5	
9·4		46·2	35·2	
9·6		47·2	21·1	
10·4	2	2·7	9·9	
9·9		5·7	5·1	
10·2		8·2	28·2	
10·0		29·7	46·8	
9·8		36·4	31·9	
9·6		36·4	15·3	
8·6	3	22·9	34·6	
9·7		50·9	59·9	
	+0 54·7		+0·1	

1021—1080.

mag.	6h. m	s	—33° ′	
9·7	3	59·9	34·3	
9·2	4	10·4	56·2	
10·0		20·9	46·2	
10·0		44·9	19·0	
10·4	5	27·9	30·4	
10·4		33·4	29·5	
9·8		42·4	19·8	
10·4	6	0·9	29·3	
9·0		5·1	4·7	9·0
10·0		7·4	56·9	
9·2		8·1	22·5	
7·8		43·6	50·5	GS–t
9·4		46·6	49·5	G
10·0	7	34·6	12·1	
10·4		36·6	28·7	
10·2		47·1	16·6	
9·5		47·3	57·6	
9·1		53·1	9·8	
10·4	8	27·2	13·2	
9·1		37·9	2·0	
10·4		39·1	40·3	
10·0		40·1	19·0	
9·1		54·1	20·3	
9·6	9	1·1	52·8	
10·0		6·1	16·9	
10·0		6·6	4·5	
10·0		9·1	19·0	
10·2		14·2	0·9	
9·0		14·6	34·4	
9·5		22·2	24·1	
8·4		28·9	9·6	9·2
9·4		31·4	55·5	
10·2		32·2	5·5	
9·0		48·2	18·2	
10·2		50·2	5·8	
8·7	10	0·4	33·9	9·5
9·8		0·5	24·2	
9·6		2·4	35·3	
9·8		17·2	2·3	
9·6		31·2	13·9	
9·1		46·7	42·4	
9·0		51·4	10·5	
8·8		54·9	23·0	
8·8		54·9	19·3	
8·6	11	5·2	35·2	
8·8		18·2	38·7	
9·8		22·2	34·6	
9·4		32·2	52·6	
9·4		37·2	24·5	
9·4		42·2	24·2	
9·8		46·2	32·6	
9·4	12	2·2	29·2	
10·0		10·7	42·4	
9·3		23·7	22·9	
10·2		31·7	16·7	
8·8		34·7	21·0	9·5
10·0		52·5	36·4	
10·2		54·5	9·0	
8·0		56·2	39·3	8·5 G–
8·8	13	3·7	40·2	9·0 G–
	+0 54·7		—0·3	

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1081—1140.

mag.	6h. m s	—33° ′	
10·2	13 6·7	17·1	
9·8	14·2	26·8	
10·0	16·6	42·9	
8·2	34·6	15·5	
8·8	52·5	57·0	9·0 G
10·0	14 0·1	15·9	
8·6	6·1	32·7	9·0 G
10·2	15·1	11·9	
9·8	24·6	34·7	
10·0	42·1	22·3	
9·6	42·1	15·7	
10·2	44·6	32·3	
9·1	47·1	21·7	
10·2	49·1	46·9	
9·6	15 3·6	18·1	
9·2	6·6	53·5	
9·1	12·6	56·2	
9·3	24·1	37·7	
9·3	25·6	36·7	
8·8	26·1	58·2	
10·2	28·1	14·4	
9·0	28·6	44·2	
10·2	36·1	5·7	
10·3	40·6	14·7	
8·2	49·6	5·2	
9·8	16 11·6	30·6	
8·7	14·1	31·7	8·5 –
10·0	16·1	18·6	
9·4	35·1	14·5	
9·4	49·1	27·4	
8·4	50·6	0·9	7·5
9·6	52·6	42·5	9·5 G
10·0	56·1	43·1	
8·4	57·1	40·3	8·5 G
9·4	17 5·1	56·9	
8·8	6·1	39·3	9·0 G
9·6	14·1	38·4	G
9·0	15·8	2·5	8·0
8·2	20·6	53·2	8·5
10·2	30·5	5·3	
9·1	32·5	23·7	
5·7	33·5	22·4	4·0 GSπβ
9·4	38·5	11·2	
8·2	57·5	48·5	8·5 G–tπ
9·6	18 5·5	7·1	
9·3	8·5	14·1	
10·0	13·1	21·5	
9·0	20·5	53·1	
8·2	20·5	33·1	8·0 GS–g
10·0	25·0	31·3	
10·0	26·0	34·7	
10·2	30·0	23·2	
9·6	51·5	53·8	
7·6	19 5·0	15·4	8·0 GS
8·6	13·0	29·3	8·5 G–
10·0	18·5	30·3	
9·0	20·5	34·3	
9·6	33·2	0·8	
9·8	34·5	38·0	
10·0	35·5	20·2	
25pr.	+0 54·8	–0·6	

1141—1200.

mag.	6h. m s	—33° ′	
9·6	19 56·0	20·4	
9·3	20 7·0	41·3	
10·2	13·0	47·3	
10·0	14·0	31·0	
9·6	15·0	2·8	
8·7	28·5	41·8	9·5
10·0	33·5	25·3	
10·2	33·5	28·9	
10·0	44·5	35·1	
10·0	46·5	34·3	
8·6	21 3·0	54·3	
9·4	15·0	58·3	
9·2	24·5	50·2	
9·2	38·5	16·8	
8·6	40·5	23·0	8·5
9·1	46·5	42·2	
10·2	50·6	21·8	
10·0	50·6	17·7	
8·8	51·1	45·3	9·5 G
8·7	22 1·1	45·1	9·0 –
7·8	3·6	20·5	8·2 GS
10·2	4·6	50·7	
9·7	5·6	15·9	
9·2	8·1	40·7	9·5
9·0	9·6	34·1	
10·2	24·6	15·7	
8·6	34·1	20·5	9·0
9·0	38·6	12·1	9·0
8·4	45·1	2·3	8·5
8·8	52·1	3·7	9·0
10·0	23 0·6	46·5	
9·3	1·1	13·7	
9·6	2·1	27·8	
10·0	8·6	11·3	
10·2	17·1	4·3	
9·6	24·6	11·1	
9·4	33·1	9·8	
8·8	36·6	55·3	
9·1	45·6	47·7	
10·2	24 3·1	34·8	
9·1	14·6	12·3	
10·0	22·1	33·7	
10·0	27·1	12·3	
8·8	35·6	26·3	
10·2	46·1	43·1	
9·0	52·1	32·7	
9·3	25 2·1	25·7	
9·0	32·1	25·2	
8·6	47·1	36·9	9·0
9·0	51·1	53·9	
8·8	56·1	20·9	9·5
9·4	26 1·1	5·9	
9·8	11·1	15·3	
10·0	15·5	17·5	
9·8	21·6	50·9	
10·0	22·4	7·4	
10·2	28·4	57·1	
9·8	35·9	51·1	
10·0	35·9	58·9	
10·0	38·1	34·1	
	+0 54·8	–0·8	

1201—1260.

mag.	6h. m s	—33° ′	
9·8	26 42·9	56·0	
10·2	46·4	36·4	
10·0	46·4	12·3	
9·0	46·4	47·6	9·0
10·0	57·4	25·7	
9·1	27 7·4	54·3	
9·6	8·4	59·9	
10·2	32·9	13·7	
10·2	33·4	28·4	
9·6	38·4	49·7	
10·2	28 1·9	23·0	
10·0	4·9	37·4	
8·8	5·9	4·3	
9·6	14·4	11·1	
9·6	24·4	15·5	
9·0	31·9	10·9	9·0
10·0	32·1	33·1	
9·8	40·9	30·5	
9·4	29 0·4	45·4	
8·8	3·4	44·0	
9·2	4·9	40·5	
8·8	5·4	16·4	
10·0	11·9	16·9	
10·2	20·4	1·5	
9·4	51·9	48·2	
9·6	52·9	57·0	
9·0	53·9	6·8	
10·0	55·1	16·4	
9·0	57·4	9·8	
10·0	57·9	24·8	
10·2	30 0·1	6·0	
9·4	0·1	0·7	
10·2	0·9	32·4	
9·3	2·9	36·4	
7·1	11·4	54·8	GSctπ
10·0	13·9	54·3	
9·8	14·4	25·4	
8·8	25·2	7·2	
9·3	32·7	27·8	
9·4	32·7	21·6	
10·2	40·7	0·4	
9·2	48·2	41·3	
8·6	31 4·7	7·4	
8·8	10·7	23·0	9·0
10·0	14·7	54·2	
9·3	25·7	10·4	
10·0	28·7	32·4	
10·2	31·2	22·3	
8·8	34·7	1·1	
9·4	35·7	32·6	
9·2	42·7	29·6	
8·8	47·7	22·6	9·5
8·8	32 9·7	28·1	9·0 G–
10·0	11·7	23·7	
9·1	12·2	11·0	
9·4	14·7	45·0	
9·4	19·7	52·4	
9·6†	28·7	58·2	
10·2	48·7	49·6	
10·0	53·2	19·7	
	+0 54·9	–1·1	

1261—1320.

mag.	6h. m s	—33° ′	
9·6	32 54·7	48·7	
9·8	33 1·7	31·3	
10·2	12·7	9·8	
8·6	15·7	25·4	
8·7	17·1	48·2	
10·0	29·7	31·0	
9·8	38·7	51·2	
9·6	46·7	18·8	
9·6	48·7	36·2	
10·2	34 3·7	34·9	
10·2	33·7	57·2	
10·2	45·2	7·1	
9·0	35 2·7	2·8	
9·8	7·4	2·3	
9·0	51·5	15·9	9·0
9·5†	36 5·0	41·0	9·0
8·6	37 5·5	15·5	9·0
8·8	7·5	21·1	8·5 G
9·8†	29·0	58·7	
9·4	38 17·0	28·1	
9·5†	39 0·5	33·6	9·0
9·2†	37·5	59·9	9·0
9·8	53·5	51·0	
9·8	56·0	17·9	
9·9†	40 3·5	59·7	
9·6	4·5	39·5	8·5
9·2	19·8	0·0	
9·6†	35·5	54·7	
9·8	41 15·1	57·0	
9·8	27·4	55·9	
9·8	42 6·0	53·6	
8·2	8·5	32·1	8·5
8·4	24·0	53·2	–
8·4	53·5	22·6	8·5
9·6	43 15·5	43·7	9·0
9·8	44 50·5	16·5	
9·8	58·5	33·9	
7·4	45 36·0	44·5	8·5 GS–g
9·2	46 34·6	58·3	
9·0	47 1·5	44·4	9·0
9·0	26·0	48·9	9·5
7·8	27·5	45·9	7·5 GS–g
9·8	44·0	2·2	9·0
9·1	49·0	47·7	9·0
8·4	48 5·0	7·6	8·5
9·8	15·2	53·8	
9·8	25·0	20·9	
9·8	36·5	24·9	
9·4	49 1·0	38·1	
9·0	50 13·5	34·9	8·5
9·0	20·5	30·8	9·0
9·2	37·5	10·9	
8·1	51 1·5	38·7	7·0 GSgt
9·8	57·3	49·8	
8·8	52 1·5	48·2	9·0
9·0	55·5	5·8	9·5
8·6	53 2·1	13·9	
8·2	5·1	23·7	
9·8	19·0	52·2	
9·8	20·3	56·7	9·5
	+0 55·0	–1·5	

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1321—1380.

mag.	6h–7h m	s	−33° ′	
5·6	53	51·3	56·5	5·0 GStπ
9·8		56·1	43·3	
9·6		58·6	16·9	
9·8	54	27·9	26·3	
8·6		36·4	42·6	9·0
7·4	55	4·4	18·1	7·0 GS
9·8		15·9	58·2	
9·0		42·9	28·5	
9·1		46·4	39·8	9·0
8·0		50·4	42·1	8·5 G=
9·8		56·4	6·4	
9·6	56	0·4	19·5	
7·4		12·4	17·4	7·0 GS
9·8		33·4	10·5	
9·9†		41·0	53·8	
9·0		57·9	10·8	8·5 G
9·0	57	2·4	11·1	9·0 G
9·8†		29·0	51·8	
9·0		33·8	3·4	9·0
8·7	58	14·7	5·5	9·0
8·9		28·1	1·6	9·5
8·7		53·2	24·1	8·0 G–
9·6	59	5·2	22·2	
9·6		27·2	36·6	
9·1	0	1·7	41·9	
9·6		8·2	31·4	
8·8		21·2	18·4	
9·2		38·9	34·4	
8·0		42·1	57·3	7·5 Gg
9·6		46·2	37·6	
8·5		55·4	10·7	9·0 G
9·4		56·4	47·1	9·0
9·6	1	3·0	56·0	
9·4		7·4	23·6	9·0
8·8		15·4	21·0	9·0
9·6		23·4	26·6	9·0
9·6		25·4	50·0	
9·0		37·4	52·0	
9·6	2	1·4	45·0	
9·6		5·4	51·1	
10·0†		15·7	57·7	
9·4		17·6	0·0	
9·0		21·8	58·5	
9·8†		41·1	53·9	
9·5		45·9	11·0	8·5
9·6	3	13·4	2·1	
10·0†		34·7	57·4	
7·8		36·9	10·6	8·0 GS
8·5		42·9	31·2	
9·0		48·4	30·0	
8·2	4	7·9	51·6	
9·[illegible]		24·4	51·7	
8·7		37·9	28·7	
8·4		41·4	6·7	8·5 G
8·9		45·4	15·1	8·5
8·7	5	2·4	8·2	8·5 G
9·2		6·4	9·4	G
8·2		20·4	49·7	9·0 G
9·6		26·9	26·5	
9·2		32·4	51·1	
25pr.	+0	55·4	−2·2	

1381—1440.

mag.	7h m	s	−33° ′	
9·6	6	20·6	57·9	
9·2		25·9	30·7	
9·6		29·9	25·2	
9·6		38·0	2·4	
9·6†		40·6	51·1	
9·0		46·4	39·6	9·0
9·0		55·4	59·1	
9·0	7	2·4	16·4	9·0
9·6		22·7	1·9	
9·6		23·9	22·1	
9·6		27·4	40·6	
10·0†		30·7	6·2	9·5
8·7		45·4	40·7	
9·1		56·7	26·5	8·5
8·5	8	32·7	34·3	9·0 --
9·6		41·7	45·4	
9·6		44·2	31·9	
9·2	9	2·7	59·1	9·5
8·7		4·7	26·9	–
8·5		15·7	7·3	7·2 G
9·6		33·7	36·9	
9·6		44·2	34·7	
8·3		46·2	11·1	8·5
8·7		47·2	21·2	8·5
9·4	10	5·7	44·1	
9·6		22·2	40·1	
9·5		56·2	41·0	
9·6		56·4	25·2	
9·6	11	33·2	1·9	
9·0		34·2	24·1	
9·6		51·7	45·2	
10·0†		54·2	59·4	
9·6	12	6·7	43·3	
9·8†		10·1	50·1	
9·6		12·2	47·1	
9·6		22·4	2·0	
9·6		25·2	24·4	
9·6		42·2	1·1	
9·6		48·7	56·2	9·5
9·2	13	0·2	52·0	
9·4		2·7	22·1	9·0
9·6		6·2	1·1	
9·2		12·7	13·1	9·0
8·6		33·7	14·3	9·0
8·5	14	32·7	34·9	9·0 –
8·0		35·2	29·8	7·0 GSct
9·4		42·7	35·0	9·0 –
9·6		46·2	8·1	
9·5		49·2	22·8	
9·6		51·2	31·9	
9·5	15	3·2	4·1	
8·0		23·7	21·8	8·5
8·4		45·7	18·9	9·0
9·5		49·2	20·0	
9·6		55·7	10·0	
9·6		57·2	32·2	
8·4	16	1·2	56·2	9·0 –
9·6		6·2	36·9	9·0
9·1		11·7	56·4	9·0 –
8·8		49·2	23·8	
	+0	55·8	−2·6	

1441—1500.

mag.	7h m	s	−33° ′	
8·7	16	54·2	23·8	
9·6		55·3	16·5	
8·3		57·2	46·4	8·0 G–
9·6	17	6·2	21·0	
9·5		17·7	31·1	
9·5		35·2	53·0	
8·9		39·2	7·9	8·5
9·1	18	1·7	51·4	
8·3		5·7	12·8	9·0
9·6		9·7	43·7	
9·0		19·9	49·2	
9·6		21·2	17·2	
8·9		21·7	39·2	9·0 G–
9·6		31·2	41·2	
9·2		33·2	47·8	
8·7		49·2	18·9	9·0 G
9·6		54·7	46·3	
9·6	19	2·2	13·0	
9·0		6·7	14·6	8·5
9·5		7·2	46·2	
9·6		8·2	31·2	
9·6		14·2	52·3	9·5
9·4		15·2	7·1	
9·6		29·2	42·6	
8·7		31·7	52·8	9·0 –
8·9		41·0	57·5	
8·7		43·2	40·8	9·0
9·4	20	1·2	9·2	
9·6		15·2	42·2	
8·9		28·2	54·7	
9·6		31·7	28·0	
8·9		33·2	18·2	
9·6		37·2	46·2	
9·0	21	5·7	39·3	9·0
9·2		17·2	8·4	
9·4		18·2	0·8	9·5
9·6		23·0	0·9	
9·1		32·7	37·9	
10·0		33·2	50·9	
10·0		42·3	50·1	
9·5		45·2	30·0	
8·5	22	3·0	54·6	8·8 –
9·7		3·3	37·5	
6·6		4·0	53·4	6·5 GStπ
9·4		12·0	4·9	
10·0		16·8	27·4	
8·7		17·8	28·7	
10·0		25·7	57·2	
8·9		29·5	34·3	
8·2		36·8	38·2	7·5 GStπ
9·2		41·5	28·7	
8·9		49·0	33·0	
9·5	23	1·3	31·0	
10·0		1·8	58·6	
9·5		3·8	45·7	
9·7		6·3	54·8	
9·2		7·3	37·0	9·0
9·2		8·3	20·5	
9·4		13·3	9·9	
9·2		20·8	13·8	
	+0	56·0	−2·9	

1501—1560.

mag.	7h m	s	−33° ′	
10·0	23	32·3	36·5	
10·0		36·8	52·8	
9·2		38·8	59·6	
10·0		40·3	33·7	
8·6		48·6	0·6	9·2
9·4		49·4	52·6	
8·9		50·4	13·5	9·0
10·0		55·4	13·7	
8·8		55·4	47·2	
9·8	24	0·4	20·7	
10·0		2·4	32·1	
9·4		22·4	15·2	
9·5		23·6	0·5	
9·4		31·4	49·4	
7·6		38·4	54·8	7·5 GS–g
8·9		42·4	21·3	
9·2		46·4	47·8	9·5
9·5		50·9	19·7	
9·7		52·9	8·1	
9·2	25	7·4	54·2	9·5
9·2		8·8	56·9	
10·0		12·4	57·7	
10·0		16·4	52·7	
8·5		23·4	9·6	
9·5		23·4	13·1	
10·0		24·9	30·9	
10·0		26·4	41·6	
8·6		30·9	9·3	
10·0		37·9	49·6	
9·4		40·4	5·1	
9·6		42·9	8·7	
10·0		44·4	48·1	
10·0		48·9	14·8	
8·9		53·4	29·4	9·5
9·8		54·1	57·0	
7·6		54·4	49·7	8·0 GS–g
10·0		54·4	21·8	
8·8		59·4	36·8	9·0 –
10·0		59·6	58·9	
9·6	26	0·4	22·1	
9·2		2·9	11·1	
10·0		13·9	22·1	
10·0		30·4	4·6	
9·8		31·7	12·5	
10·0		45·2	2·9	
8·6	27	13·7	8·7	9·0
9·4		16·7	7·8	
9·5		16·7	17·6	
10·0		23·0	58·8	
10·0		27·7	12·1	
8·8		36·7	55·8	–
10·0		46·7	7·4	
10·0		54·2	48·3	
9·3		55·2	44·9	
8·8	28	2·2	9·9	
10·0		3·7	6·9	
9·3		10·7	0·0	
10·0		18·2	56·9	10·0
9·8		20·7	41·7	
8·2		21·0	56·6	9·0 –
	+0	56·2	−3·1	

1561—1620.

mag.	7h. m	s	−33° ′	
10·0	28	22·7	53·5	
8·2		24·2	47·2	9·0 –
10·0		26·7	18·7	
9·4		27·2	11·6	
10·0		38·7	36·8	
7·5		42·7	7·7	7·5 GS
9·2		48·7	29·0	
10·0		53·0	1·6	
9·3		53·7	6·0	9·0
9·3		57·7	8·9	
10·0	29	2·7	48·0	
9·3		4·7	7·2	
9·4		20·6	2·9	
9·4		24·7	43·5	9·0 G–
9·4		26·7	9·9	
7·2		30·7	11·6	6·5 GS
10·0		32·3	55·1	
9·5		35·3	34·5	
10·0		37·8	47·3	
10·0		41·8	4·1	
10·0		47·3	14·7	
9·0		52·3	8·6	
9·0		52·8	19·8	
9·5		53·8	42·0	
10·0		54·8	17·8	
9·4		55·7	57·0	
9·5		57·8	28·8	
9·6	30	2·3	7·1	
8·9		3·3	13·0	
10·0		12·8	47·0	
9·3		13·8	30·9	
10·0		14·3	46·9	
9·7		18·8	20·9	
9·0		26·8	55·5	
9·8		27·8	10·8	
8·7		29·8	33·5	
10·0		33·8	31·6	
10·0		36·8	53·3	
10·0		43·8	15·0	
10·0	31	2·8	0·0	
9·4		3·8	17·7	
7·4		6·8	6·9	7·5 GS
8·9		11·8	3·2	10·0
10·0		12·8	13·0	
10·0		17·3	5·2	
8·9		34·8	27·6	–
10·0		53·8	0·3	
9·2		53·8	34·9	
8·9	32	6·8	17·0	
10·0		26·8	17·9	
9·4		27·6	59·5	9·5
9·8		32·8	18·6	
9·8		34·0	12·3	
9·3		39·0	26·1	
8·8		40·5	13·8	
8·6		43·0	13·6	
8·5		50·5	24·1	
10·0		55·0	4·4	
10·0		57·0	32·4	
9·6	33	11·0	31·8	
25pr.	+0	56·4	−3·2	

1621—1680.

mag.	7h. m	s	−33° ′	
9·8	33	14·0	2·8	
9·8		18·9	19·0	
9·4		21·5	13·8	
9·2		21·5	28·4	
10·0		22·9	22·1	
10·0		22·9	20·8	
9·4		23·0	31·3	9·5 –
10·0		26·0	43·3	
9·8		26·5	55·6	
10·0		28·0	13·6	
9·8		34·0	23·3	
10·0		48·8	1·9	
10·0		52·5	15·6	
10·4†		55·0	58·6	
10·0		56·0	6·8	
9·3	34	6·5	3·9	
9·4		18·5	8·7	
9·2		19·0	36·8	9·0
9·2		23·0	33·7	9·0
9·2		25·0	28·6	
10·0		28·0	20·0	
9·3		28·0	8·0	
9·2		28·6	2·1	
9·6		36·0	44·2	
9·8		36·5	59·7	
9·2		36·5	14·0	
8·8		40·5	58·7	9·0
8·8		43·0	29·5	9·0
10·0		44·5	18·2	
8·8		47·5	5·2	
9·0		48·0	16·8	
10·0		48·5	29·9	
8·8		53·0	48·0	
10·5†		55·0	59·4	
10·0		57·1	58·5	
8·5		58·0	2·7	9·0
10·0	35	2·5	8·0	
10·3†		3·5	59·4	
9·7		4·0	7·0	
9·5		17·0	27·5	
10·0		17·1	40·2	
9·5		18·1	26·7	
9·7		18·6	27·4	
9·6		19·1	32·5	
10·0		19·6	41·9	
9·5		24·1	8·1	
8·8		33·1	16·5	
10·0		37·6	46·4	
8·2		44·1	45·8	9·0
9·3		46·6	13·4	
8·0		47·1	8·5	8·0 G
10·0		52·6	32·7	
10·0		53·1	45·4	
9·4	36	1·1	46·5	9·0 –
9·8		7·1	23·4	
10·0		7·6	4·0	
9·8		21·1	23·9	
9·7		24·1	55·9	
10·0		44·0	59·2	
9·6		50·1	10·9	
	+0	56·6	−3·4	

1681—1740.

mag.	7h. m	s	−33° ′	
8·0	36	52·1	26·8	8·0 G
9·2		57·1	32·2	
10·0	37	1·1	22·1	
9·0		3·1	53·7	8·8 –
9·8		7·1	5·8	
10·0		22·6	0·7	
9·6		24·6	52·3	
9·4		26·1	29·6	
10·0		26·4	57·2	
10·0		28·1	9·6	
9·0		31·1	26·5	
10·0		38·1	21·1	
9·8		38·2	27·4	
9·5		38·6	22·4	
9·3		47·6	43·3	8·5 –
10·0		48·1	16·8	
8·7		54·6	28·9	
9·2		58·6	33·1	
10·0	38	13·6	3·2	
9·8		14·8	4·1	
10·0		16·3	4·3	
10·0		16·8	42·6	
8·0		18·3	1·2	7·5 G
9·8		21·8	2·0	
9·4		23·0	1·9	8·8 G
10·0		23·3	4·2	
10·0		25·9	58·1	
10·0		27·3	27·3	
10·0		28·9	57·9	
9·4		31·3	35·2	
8·0		34·3	30·3	8·0 G–
9·5		37·3	40·7	
10·0		38·3	56·9	
10·0		41·8	41·0	
10·0		44·0	2·3	
10·0		46·8	29·1	
10·0		47·3	23·2	
9·5		53·8	22·6	
9·4		54·8	12·6	
9·3		55·8	38·7	
8·9		58·3	21·2	
9·6	39	4·3	29·9	
9·4		5·3	17·2	
9·6		9·3	7·7	
10·5†		10·0	58·7	
9·8		17·3	26·5	
10·0		18·8	25·8	
8·2		19·3	6·8	8·5
8·6		19·3	34·7	–
8·7		30·3	41·4	
10·0		39·7	59·5	
10·0		56·8	17·0	
8·5	40	4·3	26·0	8·5
9·8		11·3	25·1	
10·0		13·8	7·5	
10·0		24·3	48·1	
9·8		25·4	27·2	
9·2		28·8	24·0	8·5 G
9·4		31·3	8·7	
9·4		41·3	50·7	
	+0	56·7	−3·5	

1741—1800.

mag.	7h. m	s	−33° ′	
10·0	40	45·8	3·4	
10·0		47·3	38·9	
9·0		49·8	34·0	
10·0		51·4	44·0	
9·0		52·9	24·4	9·0 G
10·0		53·4	43·2	
10·0		54·4	3·5	
7·1		55·4	55·3	6·1 GS=t
9·8	41	0·9	48·0	
9·3		2·4	13·4	
10·0		4·3	58·8	
9·5		11·4	47·9	
9·4		16·4	20·8	
9·8		22·9	39·2	
9·0		25·4	57·7	9·0 G
9·7		30·4	57·9	
8·0		36·9	7·2	8·0
10·0		39·7	59·0	
10·0		41·2	57·4	
8·6		42·4	17·7	8·0
10·0		44·9	35·9	
9·6		44·9	58·8	
10·0		55·6	32·3	
10·0		58·4	55·6	
10·0	42	13·4	22·4	
10·0		17·4	2·0	
10·0		18·4	41·8	
9·5		27·1	2·1	
10·0		28·4	48·7	
9·2		29·9	44·2	
9·2		31·4	12·7	
10·0		32·4	53·5	
9·6		33·4	17·0	
8·9		33·4	24·8	
9·2		36·9	17·6	
9·2		41·9	0·5	
8·8		47·9	12·3	
8·4		53·4	23·0	9·5
10·0		55·9	8·9	
9·0		58·4	11·2	9·0
9·4	43	11·4	36·3	
10·0		14·4	48·4	
10·0		21·9	12·2	
9·7		23·9	14·3	
9·8		27·4	21·3	
10·0		33·4	31·7	
8·5		36·4	15·3	9·0
10·0		41·4	29·6	
10·0		43·4	24·2	
10·0		43·9	25·7	
8·6		53·4	36·9	9·5 –
9·8	44	14·4	33·9	
10·0		14·7	55·7	
10·0		20·9	46·6	
9·8		28·4	6·6	
10·0		30·4	23·6	
9·4		31·9	44·3	
8·4		33·4	1·1	8·2 G
9·4		34·2	59·7	9·5
9·4		37·4	20·0	
	+0	56·8	−3·6	

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1801—1860.

mag.	7h. m	s	—33° ′	
10·0	44	47·4	31·6	
10·0		53·4	16·3	
8·5	45	8·4	20·9	9·0
9·4		15·7	0·2	
9·8		19·4	12·6	
10·0		23·4	57·1	
10·0		24·0	52·9	
10·0		24·4	17·8	
10·0		26·4	43·9	
10·0		36·4	39·4	
8·9		40·7	11·1	
9·7		41·9	26·2	
8·7		47·0	30·1	9·0 —
10·0		53·9	35·1	
9·5		53·9	11·2	
9·4		55·2	23·2	
10·3†		56·1	53·2	
8·2		59·7	21·2	9·0
9·2	46	7·0	23·5	
10·0		7·4	42·8	
9·4		10·2	53·8	
8·0		12·4	44·8	G=
9·2		13·0	8·2	
9·3		14·4	17·8	9·2
9·4		16·0	21·5	
8·3		21·5	18·2	8·0
9·0		28·7	25·9	9·2
10·1†		31·1	49·8	
9·8		47·0	31·0	
8·6		52·5	45·6	
9·8		54·5	41·9	
10·2†		58·6	53·8	
9·4	47	1·5	37·3	
10·1†		11·1	53·6	
8·4		17·5	37·9	8·8 ≐
10·0†		19·1	54·8	
9·2		34·5	12·5	
9·8		35·3	24·2	
9·7		41·3	53·2	
8·6	48	25·5	20·9	
8·4		31·5	42·9	7·7 G—
9·0		40·0	0·5	9·5
9·8		45·7	57·8	
9·2		57·3	57·7	9·0
9·6	49	4·0	54·2	
9·4		18·0	51·7	
7·8		20·5	41·7	7·8 G—
9·4		25·0	41·7	
9·6		30·5	40·9	9·8
9·8	50	5·5	53·3	
9·6		15·0	34·9	
9·2		26·0	35·7	9·5 —
9·8		49·9	6·0	
9·7		54·0	27·8	
9·7	51	11·0	14·3	
9·4		15·0	16·0	
9·2		15·0	6·7	
8·6		16·0	8·7	
8·8		18·5	49·6	9·0 —
9·0		19·5	12·8	
25pr.	+0	57·0	—3·8	

1861—1920.

mag.	7h. m	s	—33° ′	
9·2	51	29·5	32·0	
9·4		32·9	15·7	
9·8		34·9	18·7	
9·0		37·0	10·4	
9·2		45·5	59·0	
9·7		51·0	34·1	
9·2		51·5	18·6	
9·7		55·0	59·1	
9·8		55·5	41·5	
9·0		56·5	48·3	
9·0		59·5	5·5	
9·4	52	4·9	32·4	
9·4		6·0	7·3	
9·6		6·5	2·6	
9·2		10·5	50·8	
9·4		12·0	6·8	
9·2		31·0	40·6	
9·6		33·5	44·3	
9·6		35·0	40·6	
9·0	53	2·0	37·5	—
9·4		12·0	51·2	
9·6		15·5	16·4	
9·6		33·1	2·9	
8·2		35·0	16·3	8·0 G
8·8		35·0	22·7	9·0
8·5	54	17·5	4·7	
8·8		19·0	34·3	9·0 =
9·2		26·0	22·4	
9·7		26·0	20·4	
9·2		30·0	20·1	
9·4		42·5	5·0	
9·0		45·0	17·2	
9·4		54·5	41·8	
9·8		57·5	44·5	
8·6		59·7	49·9	9·0 —
9·8	55	3·2	30·6	
9·8		13·7	37·9	
9·8		17·2	48·6	
9·7		21·7	34·5	
8·4		35·2	55·5	7·5 G=
9·8		38·5	1·4	
8·0		42·2	46·8	7·5 G=
8·8		52·8	49·9	8·8 =
8·6		57·2	31·3	—
9·8	56	0·1	15·0	
9·2		10·2	35·2	
9·8		11·3	57·0	
9·0		17·7	25·3	
9·8		17·7	58·5	
9·0		19·7	20·2	
9·4		21·2	16·9	
9·2		23·7	15·8	
9·8		26·2	20·4	
9·8		33·1	2·0	
9·2		35·2	16·6	
9·7		49·7	29·6	
9·0	57	2·2	21·1	
9·6		12·2	3·1	
8·8		14·7	46·9	9·0 =
9·0		22·2	28·9	
	+0	57·4	—4·0	

1921—1980.

mag.	7h.–8h. m	s	—33° ′	
9·8	57	35·2	5·2	
9·4		42·1	56·1	
10·2†		48·4	59·5	
9·4		52·2	38·0	
10·2†		56·9	58·3	
9·4	58	9·2	14·1	
9·8		11·2	59·6	9·8
9·8		17·2	1·1	
9·2		32·2	46·3	
9·6		36·2	46·3	
9·8		43·2	48·0	
8·8		54·7	10·2	
9·7	59	6·1	21·8	
9·4		12·2	13·5	
9·4		16·2	19·9	
9·4		28·7	52·6	
9·0		42·2	26·1	
9·0		46·7	47·6	
9·4		55·4	0·2	
8·6	0	12·2	12·4	9·0 G
7·6		14·2	14·2	7·0 GSct
7·9		15·6	57·6	8·2 —
8·6		37·4	0·9	9·0 G
9·8		42·9	44·9	
9·8		43·5	55·4	
9·8		51·4	44·1	
8·6		51·4	31·9	
9·7		55·4	11·5	
8·2		55·4	12·7	6·5 GSct
8·3		56·9	12·7	9·5
10·2†		57·9	59·6	
9·7	1	2·4	22·1	
9·8		6·9	17·9	
10·2†		9·4	59·1	
8·8		10·4	10·7	9·5
10·2†		10·9	58·5	
9·4		11·4	43·7	
9·2		15·4	6·5	
9·0		16·4	6·8	
8·8		22·4	8·5	
9·2		25·4	36·6	
10·2†		31·9	57·4	
8·6		31·9	40·8	
9·8		33·5	5·9	
9·0		44·9	13·8	9·5
9·8		51·4	53·8	
9·6	2	15·0	1·9	
9·2		33·4	3·7	
9·0		36·4	55·9	9·5
9·2		36·4	6·4	
9·0		49·4	43·5	9·5
10·2†		50·4	58·4	
9·7	3	11·4	3·8	
7·9		11·4	39·3	8·5 —
8·5		16·4	4·8	9·2
9·4		25·4	29·9	
9·0		39·4	40·9	
9·4		48·9	36·9	
9·4		55·4	38·5	
9·0		57·9	51·7	
	+0	57·7	—4·2	

1981—2040.

mag.	8h. m	s	—33° ′	
9·7	4	0·4	26·2	
9·0		0·9	28·6	
9·7		10·9	54·9	
8·8		25·4	51·3	
9·8		33·7	59·4	
9·7		45·4	3·6	
8·2	5	19·4	39·6	9·0 —
9·7		25·1	3·5	
9·2		40·6	40·1	
9·2		41·1	38·7	9·5
9·8		57·1	49·1	
9·4	6	18·6	46·7	10·0
9·8		21·6	27·7	
9·7		23·6	56·1	
8·8		32·6	33·3	
9·8		32·6	10·3	
9·0		41·1	47·0	9·0
9·2		46·1	42·7	
8·8		49·6	51·1	
9·6		50·6	9·3	
9·4		55·6	47·9	9·5
9·8	7	0·5	54·0	
9·2		16·6	51·1	
9·4		26·1	33·9	
9·8		41·6	19·5	
9·6	8	4·1	49·4	
9·2		12·1	39·8	9·5
8·6		16·1	42·9	9·5
9·4		18·1	42·8	
9·2		18·1	39·2	
8·4		21·1	56·7	9·0
8·8		25·6	52·7	
9·8		26·6	14·5	
9·8		28·1	12·9	
9·8		34·5	19·9	
9·8		35·6	27·1	
9·4		35·6	14·0	
9·6		39·1	50·3	
9·6		43·6	19·7	
8·8		47·1	30·1	
7·9		49·1	11·6	7·5 GS—
9·2		54·1	31·1	
9·4		54·9	24·3	
8·8	9	1·9	12·0	
9·7		58·1	33·1	
9·8	10	1·5	2·0	
9·8		3·8	29·1	
9·7		4·1	39·7	
9·7		5·1	4·3	
9·7		11·6	43·9	
9·6		12·1	7·5	
10·0		12·6	52·7	
8·9		12·9	21·1	9·5
10·0		15·6	39·4	
10·0		19·6	32·1	
9·6		34·1	31·5	
9·4		34·6	51·8	
10·1		52·6	12·5	
8·7		54·6	41·2	9·0 —
10·0	11	1·6	14·5	
	+0	58·1	—4·4	

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2041—2100.

mag.	8h. m s	—33° ′	
9·6	11 10·6	55·5	
9·7	14·6	20·5	
9·4	15·6	57·0	
9·6	27·1	8·5	
9·2	31·6	44·5	
9·4	38·1	2·3	9·5
8·6	50·6	45·6	9·0 –
8·9	55·6	32·5	9·0
10·2†	12 4·6	59·8	
9·6	8·1	28·5	
9·6	8·1	16·9	
9·2	10·6	51·5	
8·8	14·6	45·2	9·5
9·8	14·6	14·0	
9·6	22·6	35·3	9·0
8·6	28·1	16·2	9·5
10·1	31·6	8·1	
10·0	31·6	52·6	
10·1	41·4	59·3	
10·1	47·6	19·3	
9·8	50·6	38·1	
9·4	52·6	1·9	
9·6	54·6	20·9	
9·6	55·6	2·9	
9·4	56·6	33·8	
10·0	58·1	28·7	
8·4	58·1	57·0	
9·0	58·6	48·0	
10·0	13 10·6	19·5	
10·1	12·6	31·3	
9·6	28·6	14·8	
9·6	30·6	21·5	
9·8	34·6	54·6	
8·9	35·6	6·9	8·8 –
9·2	36·1	45·9	9·5
9·4	36·6	36·0	
10·1	47·6	43·1	
10·0	48·1	7·9	9·2
10·1	52·6	25·1	
9·2	58·6	18·9	
9·2	14 0·8	2·0	
10·1	1·6	20·5	
8·6	3·1	38·4	9·0
10·0	4·4	24·9	
10·0	5·7	1·7	
8·9	11·6	26·3	
9·4	19·6	38·0	
9·6	22·1	3·5	
9·0	24·6	46·4	
9·0	25·6	33·2	
8·8	32·6	20·7	9·0 –
9·2	33·1	25·6	9·5
10·8†	33·8	59·3	
9·8	39·1	48·0	
10·1	47·1	30·9	
10·0	48·6	20·0	
10·0	48·6	15·1	
10·1	49·6	8·2	
8·6	51·6	23·3	9·5
8·4	52·6	12·6	9·0
25pr.	+ 0 58·3	− 4·6	

2101—2160.

mag.	8h. m s	—33° ′	
9·8	14 58·1	18·6	
9·8	15 2·6	48·0	
10·0	9·1	19·9	
9·4	12·2	58·9	
9·0	14·6	4·6	
9·6	21·1	43·5	
10·0	21·1	43·0	
9·0	31·6	22·9	9·0
10·0	34·1	42·2	
10·1	34·6	21·0	
9·7	37·1	12·9	9·5 G
10·0	39·1	47·3	
9·6	39·1	30·0	
9·4	44·1	8·1	
9·2	45·6	4·9	
10·0	50·5	1·1	
9·6	51·6	39·3	
8·6	52·6	41·7	9·5
10·0	16 1·1	8·1	
9·2	5·8	28·2	
9·6	10·8	6·0	
9·8	21·8	5·0	
10·0	25·3	13·8	
9·2	25·8	36·2	
9·7	32·1	1·9	
10·1	32·8	22·6	–
9·0	38·8	8·6	
9·4	39·8	18·6	
10·0	41·8	48·6	
9·7	43·8	48·0	
9·6	51·8	53·2	
10·0	57·8	21·0	
9·8	17 1·8	8·8	
10·0	5·3	33·8	
10·0	9·3	42·8	
9·7	11·3	47·6	
8·7	11·8	40·6	
10·1	11·8	51·2	
10·0	21·8	45·1	
9·8	24·8	5·8	
8·8	25·8	44·0	
10·0	28·3	6·2	
9·8	31·3	55·8	9·0
9·4	38·8	30·6	9·5
9·8	41·3	13·8	
8·1	41·3	31·3	9·0
9·0	42·8	45·0	
8·8	43·8	26·2	9·5
10·1	51·8	6·8	
8·8	53·8	55·6	8·3 –
9·4	18 6·8	10·9	
9·2	7·8	27·4	8·8
8·3	8·3	26·6	9·0 G
10·6†	9·2	57·0	
9·2	12·8	2·6	
8·8	13·8	49·8	7·8 –
9·4	17·8	9·2	
9·7	21·3	51·8	
10·1	22·8	4·7	
9·0	31·8	18·2	9·2
	+ 0 58·5	− 4·7	

2161—2220.

mag.	8h. m s	—33° ′	
10·0	18 33·8	48·8	
9·2	37·2	38·0	
10·0	47·2	46·4	
9·4	51·2	6·4	
10·1	52·2	47·0	
9·6	55·2	50·3	
9·8	55·2	47·7	
9·7	19 2·2	1·6	9·5
9·0	5·2	1·4	9·5
9·2	7·7	14·8	
9·2	16·7	56·8	
8·7	22·2	4·6	8·5
9·6	26·2	46·0	
9·2	30·2	5·4	
9·4	32·2	49·9	
9·2	32·2	14·6	
10·1	38·7	36·2	
9·4	45·2	2·9	
9·6	46·7	0·9	
10·0	47·1	34·1	
10·0	50·2	37·6	
8·8	56·2	10·2	8·8 –
9·7	20 9·7	33·3	
8·4	21·3	59·5	9·5
8·3	25·2	57·7	8·5 –
10·0	40·2	34·3	
9·8	45·2	47·6	
8·8	48·7	52·3	8·8
10·1	49·1	26·0	
9·4	56·0	1·3	
9·4	58·7	9·4	8·8
10·0	21 3·2	35·4	
9·2	4·2	46·1	
9·0	7·2	8·8	9·5
10·4†	10·4	59·4	
9·4	23·2	56·3	
10·1	31·7	26·6	
9·4	42·2	1·3	
8·4	56·2	45·8	8·5 G–
9·6	22 1·2	21·4	
10·1	5·2	2·8	
9·6	6·2	52·4	
10·1	16·1	43·8	
8·8	17·2	2·7	9·2
9·6	24·2	15·4	
10·4†	30·3	58·6	
9·6	32·6	20·6	
9·4	36·1	56·4	
9·2	36·6	43·3	
9·6	39·1	48·7	G
9·8	43·6	42·8	
10·1	49·6	16·4	
9·0	23 4·6	7·6	
9·0	14·6	39·2	
9·2	15·6	0·5	9·5
10·0	16·6	46·9	
9·0	17·1	32·2	
9·2	27·6	24·6	
9·4	29·6	56·1	
8·8	31·1	12·2	9·5
	+ 0 58·7	− 4·8	

2221—2280.

mag.	8h. m s	—33° ′	
9·2	23 34·6	37·2	
10·1	36·6	21·7	
8·3	39·1	25·9	9·0
10·7†	24 2·2	59·3	
8·6	5·6	2·7	9·0
10·0	10·1	50·2	
9·6	21·1	37·9	
8·6	25·1	28·6	
9·8	27·6	12·0	
10·0	33·6	8·6	10·0
8·6	36·6	50·6	8·5 –
7·9	48·1	38·7	9·0 –
10·0	55·6	16·0	
9·6	55·6	38·8	
9·0	56·1	45·1	
10·1	58·6	17·0	
8·9	25 2·6	19·9	
8·7	6·6	45·6	9·0 –
9·8	7·1	46·0	
9·8	12·1	39·9	
10·1	16·1	21·9	
9·6	18·1	18·2	
9·2	20·9	0·0	
9·0	21·1	22·7	
10·1	22·6	40·1	
9·6	29·6	47·2	
10·1	35·6	29·9	
10·6†	36·1	59·0	
10·4†	42·1	57·9	
10·0	42·6	32·3	
9·8	43·9	29·1	
10·0	45·9	49·7	
9·4	48·4	29·8	
9·7	50·4	26·3	
7·6	55·9	13·4	8·2 GS–
8·4	26 2·9	12·9	9·2
10·1	12·9	0·3	
8·9	15·9	45·2	9·5
8·8	29·4	37·3	8·0 –
10·6†	52·1	59·7	
10·1	54·9	24·6	
10·1	27 5·9	4·1	
9·0	11·9	50·7	9·0
10·0	30·4	57·8	
10·0	36·9	43·2	
8·6	49·9	8·1	8·2
8·8	54·9	23·6	
10·8†	28 2·6	59·1	
9·0	21·9	31·4	
9·8	25·9	10·2	
9·4	32·9	27·2	
9·0	42·9	34·2	
9·4	49·4	11·1	
8·4	55·9	3·9	8·5 –
9·0	29 3·4	57·5	
9·0	6·9	6·7	10·0
10·0	7·9	23·9	
10·1	21·9	28·9	
9·0	32·4	55·3	
8·8	32·4	45·8	–
	+ 0 59·0	− 5·0	

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2281—2340.

mag.	8h. m	s	—33° ′	
9·6	29	42·9	30·1	
10·0		53·9	45·8	
9·0	30	2·9	58·8	
10·0		3·9	3·1	
10·2†		9·8	57·4	
8·1		15·9	35·7	7·0 GSg
9·6		19·9	44·5	
10·0		20·4	59·6	
9·4		28·4	49·0	
9·0		32·9	33·7	9·5
9·4		41·9	11·3	
9·2		46·9	33·0	9·0
9·6		47·0	55·2	
8·7		52·0	37·5	8·0 –
9·6		53·0	19·6	
8·8		53·0	35·5	9·5
9·6	31	2·0	6·4	
9·4		6·0	46·8	
10·1		6·5	27·1	
9·0		26·0	48·3	
9·6		34·5	55·1	
10·0		35·8	1·0	×
10·7†		38·0	59·1	
9·4		39·2	56·6	
9·4		49·0	23·4	
10·0		53·0	29·8	9·0
9·4		57·0	43·2	
8·9	32	3·5	43·6	
10·6†		10·5	58·8	
9·2		17·0	33·2	9·5
9·4		23·0	45·6	
9·6		23·0	41·0	
9·0		26·0	48·0	
7·1		33·0	18·5	GS–
9·4		34·5	28·3	
9·2		36·0	55·9	
9·4		42·5	26·9	
9·8		46·5	32·1	
9·8		47·0	28·8	
10·1		57·5	8·0	
10·1	33	9·5	34·9	
9·8		22·3	51·1	
9·4		23·2	8·7	
9·8		27·8	2·9	
9·0		30·3	59·4	8·5
9·6		43·0	29·0	
9·0		44·0	5·1	
8·8		46·5	36·0	9·0 GW
8·6		50·2	25·9	7·5 G
9·6		53·5	57·4	
9·6		54·0	26·0	
9·2	34	4·0	34·2	G
10·1		10·0	28·7	
9·2		12·5	46·8	
8·2		13·0	10·3	8·5 –
9·5		16·0	29·8	
9·5		17·5	7·7	
10·0		21·2	27·6	9·5
10·7†		25·0	57·6	
9·4		33·5	16·6	
25pr.	+ 0	59·3	− 5·1	

2341—2400.

mag.	8h. m	s	—33° ′	
10·0	34	43·0	40·7	
8·0		51·5	34·0	7·0 GS–
9·5		53·5	2·9	
9·3	35	3·0	6·3	9·0 G
7·9		6·0	34·7	7·5 GS=
9·0		19·5	37·3	9·0
10·0		20·5	35·1	
10·0		25·5	19·7	
9·8		38·5	53·9	
9·7		42·8	57·9	
9·4	36	54·0	40·3	
9·5	37	11·0	44·3	
9·5		12·5	38·7	
9·5		24·5	54·1	
10·7†		36·0	56·6	
9·1		40·0	12·7	
9·4		52·5	36·1	
9·6	38	7·8	10·8	
9·3		16·3	37·3	8·5
9·4		23·3	10·1	
9·9		34·8	11·6	
9·1		40·8	45·1	
8·4		46·5	0·3	8·5 G–
9·5		53·3	50·4	
9·4		56·3	23·8	
8·4	39	1·2	0·2	8·0 G–
10·2†		5·9	57·9	
9·8		9·3	27·9	
9·7		16·8	39·6	
9·8		46·3	23·7	
10·2†		49·4	59·5	
8·8		56·3	9·0	8·8
9·2	40	9·3	40·3	
10·0		11·9	57·8	
9·2		18·3	31·0	
9·0		26·3	23·9	
10·0		33·3	48·0	
9·8		33·5	1·5	
9·9		34·8	44·1	
10·0		38·3	53·2	
10·2†		41·7	59·0	
8·6		47·0	1·2	9·0
9·7		55·3	25·1	
9·9	41	7·3	19·5	
9·6		14·3	56·0	
8·2		22·3	26·6	–
10·0		24·3	54·9	
9·9		26·8	24·9	
9·9		28·8	17·9	
7·9		52·3	36·3	
9·0	42	4·3	10·6	
9·0		50·8	2·4	9·0
8·8		54·3	42·4	9·0
9·7	43	8·8	10·9	
9·9		9·3	12·1	
9·0		26·8	29·0	
9·9		27·3	11·6	
8·6		59·8	11·2	9·0
9·9	44	4·1	2·5	
8·7		10·3	50·3	
	+ 0	59·9	− 5·4	

2401—2460.

mag.	8h. m	s	—33° ′	
9·2	44	21·8	22·9	
9·4		30·3	54·2	
9·0		43·3	2·4	
9·7	45	4·3	10·4	
8·1		8·3	45·8	8·5 G–
9·7		13·3	18·5	
9·5		32·3	51·2	
9·9	46	1·8	47·1	
7·8		5·4	57·2	8·0 GS–g
9·7		6·3	41·2	
9·3		9·8	31·4	
10·0		15·3	49·9	
9·4		21·7	57·9	
9·4		22·3	1·1	
9·7		39·8	49·3	
9·4	47	8·4	58·1	
9·7		12·9	56·9	
10·0		15·2	58·9	9·5
10·0		23·3	15·3	
9·5		36·8	18·7	
9·4		38·3	31·2	
9·8		59·3	18·2	
8·7	48	3·3	54·2	
9·2		25·3	47·0	
9·1		27·3	56·4	
9·4		33·8	2·1	
9·9		33·8	4·1	
9·2		36·3	58·0	
9·9		40·3	28·4	
9·2		42·3	55·0	
9·7		43·3	21·4	
9·8		43·8	15·1	
8·9		44·8	18·4	
10·2†	49	6·0	59·0	
9·3		14·3	38·7	
9·2		25·8	10·7	
9·6		26·8	50·8	
9·6		36·3	26·7	
9·4		38·3	41·2	
9·4		50·2	2·4	9·0
8·2		59·3	39·8	8·0 GSt
10·0	50	2·7	58·1	
9·5		12·4	59·7	–
9·8		37·3	21·9	
8·0		46·3	47·4	8·0 GSg
9·9		53·3	35·1	
9·4		55·3	37·5	
10·0	51	0·8	30·1	
9·8		7·8	4·1	
9·3		26·8	19·4	
9·9		37·8	23·3	
9·2		44·3	18·1	
9·8		46·3	53·2	
9·9		52·8	44·0	
8·8		55·8	11·7	9·2
9·7		57·8	23·4	
10·0	52	0·3	23·7	
9·2		4·3	3·6	9·1
8·6		4·3	42·1	
9·4		9·8	8·9	9·0
	+ 1	0·4	− 5·6	

2461—2520.

mag.	8h.–9h. m	s	—33° ′	
9·4	52	17·3	18·6	
9·5		40·3	12·6	
9·9		54·3	39·8	
9·4	53	6·3	29·2	
9·0		10·3	17·4	9·0
8·3		13·3	55·5	8·5 –
10·0		25·2	56·9	
9·3		30·3	49·9	
9·0		37·3	19·8	
9·0		53·3	31·2	
9·8	54	1·3	46·5	
8·5		43·3	35·8	9·0 –
9·5		53·3	13·1	
8·7	55	2·3	47·1	8·5
9·0		12·3	3·7	
9·3		33·3	48·1	
9·3		40·3	39·1	
10·2†		59·2	58·5	
9·6	56	44·3	54·8	
8·9	57	7·1	27·5	9·5
8·0		21·8	45·2	8·5 –
9·9		38·2	58·2	
10·0		45·3	34·2	
10·0		47·3	40·1	
10·0†	58	4·7	57·5	
7·4		9·8	6·5	7·2 GS–
8·6		15·3	42·4	9·0 –
9·2		23·8	33·6	9·5
8·0		32·6	12·0	8·0 GS
9·0		35·6	13·0	9·0
9·8		44·7	28·0	
9·8	59	9·1	52·9	
9·3		19·9	39·7	
10·2†		25·8	59·7	
9·3		32·9	55·9	
9·2	0	5·4	3·9	
9·5		13·9	32·7	
9·8		16·4	22·8	
9·8		21·4	15·4	
9·8	1	15·9	44·8	9·0
9·1		18·4	54·7	
8·6		35·4	4·0	8·2 –
8·6		44·0	46·1	8·5
9·8	2	3·9	55·8	9·5
8·0		13·0	10·3	–
10·0†		19·7	58·0	
9·8		22·0	6·0	
8·2		38·0	37·2	8·0 –
9·8		44·2	37·2	
9·8		59·0	8·8	
9·0	3	2·5	45·6	8·0
9·1		23·0	11·0	8·5
10·6†		35·5	58·0	
9·5		40·0	31·1	9·0
9·5		41·0	29·3	9·5
9·8		46·3	53·9	
9·8		48·8	35·4	9·0
9·3	4	13·2	42·1	
9·8		20·0	12·1	
9·2		33·5	39·6	
	+ 1	1·1	− 5·9	

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2521—2580.

mag.	9h. m	s	—33° ′	
10·0†	4	43·8	59·1	
8·0	5	26·5	54·5	8·5 –
9·5		54·0	59·0	
8·5		56·5	23·8	
10·2†	6	4·3	59·1	
8·4	7	18·0	49·1	8·0 –
10·6†		22·8	59·8	
9·8		29·0	6·7	9·0
9·8		33·8	35·7	8·5
9·8	8	6·5	11·7	
9·8		13·5	16·2	8·8
8·8		33·5	24·7	8·8
9·8		52·5	25·9	8·8
9·8		58·5	23·8	9·0
8·0	9	5·0	0·1	8·0 G–
9·4		16·5	29·4	
9·8		26·2	58·7	
9·6		37·0	10·0	8·5
8·4		40·5	9·0	9·0
9·8		50·4	56·8	9·0
9·4	10	7·0	21·8	9·5
8·6		17·5	50·2	8·0 –
9·6		53·0	7·9	
9·3		56·5	19·1	8·5
9·3	11	4·0	0·7	
10·0†		4·3	58·6	
8·8		16·0	26·4	
9·8		27·6	57·9	
9·4		41·1	35·3	
9·8		59·1	55·0	
9·8	12	30·6	24·0	
8·8		33·1	31·9	
8·8		33·6	5·0	9·2
9·0		46·1	14·8	9·0
8·8	13	4·1	18·9	9·0
9·8		19·1	3·1	
8·2		27·6	5·4	8·5 –
9·8		31·5	34·1	9·5
8·3		33·6	34·1	7·5 GS–
9·3		55·6	24·2	
10·4†	14	3·3	57·8	
9·8		11·1	37·4	
9·8		18·1	26·3	
7·1		36·6	34·3	7·0 GS=t
9·8†		36·6	6·9	G
9·3	15	10·1	37·0	
8·8		44·6	7·3	9·0
9·8	16	14·9	53·1	8·8 G
8·1		20·1	48·2	7·8 –
9·8		29·1	38·5	9·0
9·5		53·1	48·2	
8·2	17	8·1	28·1	8·0 –
9·8		16·1	34·5	8·7
10·2†		22·8	57·1	
9·3		39·1	29·5	
9·8	18	6·6	34·5	
9·3		6·6	43·9	9·0
10·6†		11·6	5·7	9·5
9·2		33·6	18·0	8·5 –
9·8		34·1	51·8	
25pr.	+1	2·0	–6·2	

2581—2640.

mag.	9h. m	s	—33° ′	
8·8	18	57·1	41·8	
8·2	19	13·1	8·6	8·5 G–
9·7		42·2	5·0	
9·8	20	26·6	47·4	
8·6		26·6	33·2	9·0
8·4		28·1	47·0	8·0 G–
9·3		32·1	5·3	
9·6		33·2	51·1	
9·8		48·1	5·6	
8·8		57·3	29·9	9·0
7·9	21	22·1	21·3	7·0 GS–t
10·2		34·5	43·6	
9·4		56·0	7·0	9·2
7·6	22	0·0	14·8	7·0 GS–
8·0		3·0	35·1	8·5 –
10·8†		5·8	59·3	
9·9		9·9	57·1	
9·9		30·0	18·2	
10·6		35·0	6·2	
10·4		43·0	38·1	
10·6		54·0	52·6	9·0
10·6	23	15·8	4·3	
9·9		23·0	14·4	
8·4	24	3·0	7·6	8·0 G–
10·6†		10·3	56·9	
9·4		13·0	55·2	
9·2		13·0	30·7	9·0
7·9		14·5	28·8	8·0 G
9·9		20·0	43·8	
9·9		26·0	20·9	
10·0		29·5	35·0	
9·9		37·0	31·6	
10·2		37·5	27·6	
10·8†		46·3	58·8	
10·2	25	23·0	18·7	
9·8		29·5	35·0	
10·0		45·5	44·8	
10·6	26	4·5	24·2	
10·6		7·9	53·2	
10·2		9·9	58·4	10·0
9·9		15·5	47·4	
9·0		19·5	28·8	8·5
10·6		20·5	56·8	
9·4		23·5	27·0	9·5
10·6		28·0	49·4	
8·6		42·3	3·0	8·8
9·9		58·8	57·4	
8·4	27	19·3	26·6	9·2
9·7		20·0	59·4	
9·7		27·3	50·6	
9·4		46·3	31·0	
8·9	28	13·3	18·4	
9·7		31·8	16·4	
9·9		50·8	45·0	9·0
9·9	29	3·3	44·6	9·5
8·3		5·3	10·7	8·5 G–
8·4		7·3	6·7	9·0 G
10·6		12·8	18·0	
10·6		29·8	28·3	
7·2		41·3	48·6	7·6 GS–t
	+1	2·9	–6·5	

2641—2700.

mag.	9h. m	s	—33° ′	
9·8	29	42·8	5·7	
10·6		47·8	26·5	
10·6		49·3	11·7	
10·4		53·3	48·1	
10·4	30	5·8	41·3	
10·6		14·3	52·2	
10·6		20·8	13·0	
9·6		23·3	6·8	
10·4		23·3	46·7	
9·9		30·3	4·8	
9·6		33·6	57·0	8·8 –
9·9		54·8	47·2	
10·6	31	1·8	58·7	
8·6		6·3	2·6	8·5 G=
9·7		10·3	15·7	
9·9		23·8	29·7	
9·6		41·3	14·0	
9·7		47·8	8·0	9·5
9·8		52·3	42·0	
8·9	32	2·8	38·5	9·5
10·6		24·3	25·6	
9·7		29·3	25·3	
10·2		32·8	16·0	
10·6		33·1	58·0	
9·6		46·3	47·8	
10·6		53·8	4·3	
9·8	33	0·8	16·0	
10·4		20·8	5·9	
9·7†		25·4	59·6	
10·4		26·3	30·6	
9·8		31·3	21·6	
8·8		36·8	11·3	9·0 =
8·8		39·2	11·0	9·0 –
10·2		50·7	31·0	
8·6		54·2	52·7	9·2
8·9		54·7	45·1	9·7
10·6	34	7·2	25·0	
10·6		16·2	37·7	
9·2		16·7	6·0	9·0
9·2		47·2	7·7	9·2
8·9		53·2	44·1	–
10·4	35	3·2	54·8	
10·2		3·2	53·2	
9·7		7·7	30·7	
8·4		11·7	16·2	8·7 =
9·6		19·7	25·3	
9·4		20·7	23·6	
10·4		23·7	36·9	
9·7		53·2	49·7	
9·8	36	0·9	57·0	
9·4		7·2	8·8	
10·2		45·0	45·1	
9·2	37	47·0	1·1	
9·6	38	41·6	57·0	
10·4		48·7	50·9	
10·4		54·7	25·0	
9·7		56·2	46·0	
10·4		57·0	50·5	
8·1		57·2	16·5	8·0 =
9·8†		58·7	59·2	
	+1	3·5	–6·7	

2701—2760.

mag.	9h. m	s	—33° ′	
9·4	39	6·2	26·8	
9·9		29·7	55·9	
10·6		35·7	39·6	
9·7		45·2	18·6	9·0
8·8		51·2	5·5	8·5 =
8·0	40	3·2	13·3	8·5 –
10·6		19·7	54·8	
10·6		39·7	20·1	
10·4	41	2·2	52·8	
8·9		7·2	51·0	9·0
10·6		17·2	55·7	
9·9		17·2	49·4	
10·2	42	1·7	3·7	
10·4		11·7	27·0	
8·8		15·7	17·3	9·5
9·8†		21·7	58·9	
10·6		25·7	55·9	
8·9		27·2	30·8	9·0
10·4		27·2	4·5	
10·6		28·7	17·0	9·5
9·2	43	22·7	13·2	
10·2		25·7	5·2	
9·0		27·2	44·5	
8·9		35·7	45·0	
9·7		46·0	0·3	
9·6	44	5·7	22·7	
9·6		15·7	39·5	
9·7		21·7	58·1	
9·8		22·7	48·3	
10·6		33·7	31·8	
10·6		34·2	31·9	
10·6		36·7	51·1	
10·6		37·7	26·8	
8·4		40·0	58·7	8·5 =
9·6		46·2	13·1	
9·0		55·2	31·9	8·5 –
10·6	45	9·4	59·8	
9·8		13·2	19·8	
9·2	46	7·2	52·5	
10·6		7·7	12·1	
10·4		18·7	43·9	
10·0		42·3	31·0	
10·6	47	4·7	19·9	
10·0		58·4	59·6	–
8·4	48	0·1	31·9	8·5 ≡
9·0		16·6	30·4	9·0
9·8†		24·2	59·3	
10·2		32·6	0·5	
10·4		52·1	28·5	
9·1		52·1	23·6	
9·6	49	0·1	54·4	
10·0		34·2	56·7	9·5
7·9		45·4	6·0	7·5 G=t
10·0		48·1	15·3	
10·0	50	4·6	18·1	
9·6		13·9	59·7	
8·6		29·6	53·2	8·5 =
9·2		39·6	37·2	
10·0		43·1	26·2	
10·0		54·1	32·4	
	+1	4·5	–6·9	

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2761—2820.

mag.	9^h—10^h m	s	—33° ′	
9.6	50	59.1	56.2	
10.4	51	2.6	25.0	
10.2		9.1	19.3	
8.6		12.1	9.4	8.8 =
9.4		38.6	8.7	
9.8		48.1	47.8	
9.6	52	2.1	45.0	
9.6		11.1	42.0	
8.4		22.6	37.2	9.0 G–
10.0		26.6	41.9	
9.6		33.6	32.8	
9.8		34.6	7.7	
10.2		36.6	54.7	
10.0		38.1	49.4	
9.8		48.3	58.4	
10.2		51.7	40.0	
9.6	53	3.1	21.8	9.5
9.8		12.6	3.1	9.5
9.4		15.6	32.9	
8.2		15.6	4.3	8.1 G≡
9.6		21.1	56.9	
10.0		21.6	17.7	
9.8		43.8	6.3	
9.6		47.3	4.9	8.8 –
10.6†		55.0	57.6	
9.6	54	12.3	14.0	
9.8		36.8	57.2	
10.0		42.3	37.3	
10.4	55	22.3	19.7	
10.4		22.8	13.3	
9.1		25.3	39.3	
10.6†		25.5	59.4	
8.7		34.3	41.5	9.0
9.0		41.8	41.5	9.0
10.4		48.3	7.2	
10.4		48.3	7.3	
9.6	56	2.3	19.6	9.5
10.0		13.3	54.7	
10.4†		14.5	58.8	
8.7		21.3	53.3	8.8 =
7.6		33.3	34.2	7.8 GS≡t
9.4		33.3	5.2	9.0
10.0		39.3	24.4	
10.2	57	26.8	41.7	
9.0		54.8	4.9	9.2
10.6†		58.5	56.7	
9.5	58	7.3	10.5	
8.9		45.3	37.0	9.0 –
10.0		54.3	6.2	
8.7	59	15.1	59.6	8.7 G–
9.4		15.3	27.1	
8.7		46.8	16.7	
10.0	0	6.8	2.5	
9.1		17.8	34.5	9.0 –
9.4	1	9.1	56.4	9.5
10.2†		49.8	58.6	
10.4		51.3	51.8	
9.4		52.8	19.3	
10.0		54.3	10.8	
9.6		58.3	57.3	
25pr.	+ 1	5.4	– 7.1	

2821—2880.

mag.	10^h m	s	—33° ′	
9.5	2	5.8	24.7	
9.2		8.3	50.1	
10.4		32.2	31.9	
10.0		46.7	10.2	
10.0		47.2	49.2	9.0
8.7		47.7	30.5	–
10.4	3	0.0	59.0	
9.8		0.2	13.3	
8.7		26.2	50.7	9.0 –
9.6		46.2	24.5	
9.1		56.2	45.9	
9.6	5	22.2	22.5	8.5
10.6†	6	10.3	57.9	
7.2		16.2	42.9	7.0 GS–t
9.0		20.7	5.7	8.5 –
10.4		28.7	9.6	
7.6		43.7	17.6	8.0 –
10.0	7	30.2	53.9	
9.4	8	14.2	44.0	
9.6	9	0.4	50.2	
10.6†		2.3	58.1	
8.7		30.9	44.5	9.0
9.1		32.4	17.7	–
10.4		43.2	39.3	
10.2		50.2	23.3	
8.8		59.2	37.8	9.0
8.6	10	6.4	53.1	9.0
9.4		16.4	54.5	9.5
9.0		34.4	37.9	
9.0		42.9	44.2	9.0
10.4		51.4	49.2	9.5
8.7		51.9	54.4	9.0 –
9.6	11	0.6	44.5	
9.5		4.9	17.8	
10.4		7.7	48.7	
9.6		15.7	32.9	
7.5		17.4	30.1	7.8 GS–
10.1		34.8	34.0	
10.1		49.1	46.0	9.5
8.8		49.6	47.5	8.5
9.6		58.6	1.7	9.2
9.4	12	19.1	20.0	
9.7		22.1	9.9	
9.1		23.6	45.5	9.0
9.4	13	15.9	3.0	10.0
9.4		33.6	36.9	
6.9		37.2	59.5	7.0 GS–t
9.4		53.6	56.8	
9.9	14	11.4	47.5	8.8
8.8		32.6	53.1	9.0 –
9.4		50.6	16.5	
9.2	15	12.6	0.1	8.3
9.6		28.6	22.1	
10.1		33.6	43.3	
10.1		50.1	53.1	
10.1	16	2.6	0.0	
9.4		45.1	16.7	9.5
9.4	17	2.6	22.3	
10.1		13.2	52.3	
8.8		24.6	30.3	9.0
	+ 1	6.7	– 7.4	

2881—2940.

mag.	10^h m	s	—33° ′	
10.0†	17	38.9	54.0	
9.2		46.6	4.1	9.2 –
8.8		56.6	5.2	9.0 –
8.2	18	3.6	38.3	8.8 –
9.4		26.1	29.6	9.5
9.4		29.6	29.0	9.5
9.4	19	53.1	9.9	10.0
8.2	20	2.1	7.8	8.9 G–
8.8		58.6	56.4	9.0
8.4	21	1.3	2.9	8.7 S–
9.2		16.1	23.5	9.0
10.0		26.1	19.5	
9.9		32.1	18.0	
10.1		47.6	51.2	
7.8	22	10.1	45.6	8.0 GW–
8.2		19.1	25.8	8.5 –
8.8		44.1	39.2	9.0 –
9.6		53.6	18.1	
9.2		54.1	2.2	8.7
9.4	23	0.1	50.2	
9.6		7.1	1.0	
9.2		17.6	35.8	10.0
9.4		21.6	42.0	9.0 –
9.7		34.1	59.4	
9.7		53.1	37.8	
10.2†		53.2	59.4	
9.1	24	13.1	55.3	
9.7		38.1	16.2	
10.1		44.0	53.2	
9.8	25	4.1	43.6	
10.1		13.1	10.2	
10.2†	26	11.2	56.6	
10.1		17.4	59.3	
9.7		21.6	45.1	9.0 W–
9.4	27	4.6	34.7	
9.8		24.6	52.2	
10.1		26.0	43.3	
8.8	28	57.1	7.2	8.2 G–tπ
9.7	29	8.6	31.9	
10.4†		35.6	58.7	
10.2†	30	21.1	56.8	
9.6	31	33.1	42.7	
10.0		44.1	33.4	
8.8		46.6	31.7	9.0 –
9.8		54.1	55.2	
8.8	32	12.6	19.8	9.2 –
9.2		14.6	45.4	
9.7		22.6	54.8	
9.6		33.1	26.0	
9.7		34.1	17.1	
9.6		45.0	17.3	
10.0		57.0	6.2	
9.1	33	1.0	50.2	9.0 –
10.1		3.9	4.1	
8.4		25.8	17.6	8.3 –
10.4†		28.9	56.9	
9.3	34	5.0	29.8	
9.8		56.3	26.8	
9.2	35	0.3	39.3	9.0 G
10.2†		1.9	59.7	
	+ 1	7.9	– 7.6	

2941—3000.

mag.	10^h m	s	—33° ′	
10.2	35	42.5	12.9	
8.4		44.0	3.1	8.1 –
9.8		44.5	33.7	
10.0	36	13.0	41.1	
9.6		18.5	4.7	
9.2		23.5	3.4	8.0 –
10.5		25.5	27.8	
9.0		27.0	3.1	9.0 –
8.2		41.7	0.2	8.1 –
9.6		57.1	59.2	
9.8	37	29.5	40.5	
9.4		47.0	48.5	
10.0	38	25.5	9.8	
8.6		25.5	36.1	9.0
9.6	39	13.5	1.8	
10.3		24.5	13.9	
9.8	40	17.3	47.2	
10.4		24.8	15.0	
9.6		25.3	5.1	9.5 –
10.3		41.3	43.2	
8.8	41	13.8	59.9	9.2
10.4†		30.5	57.7	
8.9		33.8	22.0	9.5 –
8.8		56.8	33.9	9.0
9.2	42	2.8	19.9	9.0 –
9.4		8.9	56.3	8.8 –
9.3		39.8	47.9	
10.5	43	11.8	58.8	
10.5		30.4	57.9	
9.2		41.3	1.5	9.5
10.3		48.9	56.3	
9.6	44	3.8	55.0	9.5
6.0		7.8	23.7	6.0 GStπ
9.8		12.8	19.4	
9.6		23.8	21.2	
8.4		36.8	10.6	7.5 GStπ
9.8		41.1	0.5	
9.0		50.8	20.5	9.0
8.0		55.8	49.4	8.0
10.4		57.3	28.7	
9.3	45	3.8	31.2	9.0
9.3		43.8	52.5	8.5 –
10.2†	46	12.3	59.3	
9.8		27.3	34.8	
10.0	47	35.8	32.5	
9.3		35.8	19.8	–
10.5		54.3	8.5	
8.4	48	5.8	51.0	8.5 W–
10.5		20.3	51.3	
10.0		31.8	50.5	
10.0†		33.3	57.3	
9.6		44.8	20.2	
8.9	49	7.8	12.7	9.5
10.5		16.3	16.9	
10.2†		25.8	56.9	
9.2		30.8	29.6	
9.5		35.8	46.9	8.5
10.0	50	6.3	14.8	
8.4		41.1	53.9	8.5
10.4		44.8	7.1	
	+ 1	9.7	– 7.9	

3001—3060.

mag.	10h–11h. m	s	−33° ′	
10·0	51	16·4	41·0	
9·6		56·6	24·1	
10·4	52	52·8	26·8	
9·8	53	3·6	49·2	9·2 –
9·6		8·3	57·5	8·5 –
8·4		13·1	41·9	8·0 G=
8·8		15·1	38·1	9·0 –
6·7		20·6	4·0	6·0 GStπ
9·6		35·6	34·1	
9·8	54	52·6	36·9	
10·2	55	19·6	22·6	
10·5		22·6	8·1	
10·0		36·1	55·4	
9·8		39·6	40·8	
8·2		50·6	14·2	8·4 GW–
10·5		58·1	16·1	
9·6	56	1·6	3·8	
9·8†	57	7·8	57·4	
10·3		12·6	40·1	
8·4		52·1	2·6	9·0 –
10·2		55·6	40·7	
10·0	58	2·6	5·8	
9·2		13·6	16·0	–
10·0		33·1	38·3	
10·3		39·6	9·8	
10·5		45·6	2·1	
8·6		50·4	13·7	9·0 –
9·6	59	12·4	55·8	
9·8		14·3	37·3	9·5
9·6		21·5	4·5	
9·5		35·9	57·9	
9·8†		40·3	57·0	
8·6		55·5	34·4	9·5 ≡
9·8		55·5	56·8	
10·2	0	13·7	40·4	
8·4		29·5	4·4	8·5
10·2	1	2·5	50·7	
9·0		32·5	28·2	9·5 =
10·0		39·7	34·7	
8·4	2	20·5	37·9	8·5 G–
10·2		24·3	0·9	9·5
8·6		29·5	5·0	8·5
8·4		49·5	43·7	8·3 G
10·2		59·4	59·1	
9·8	3	5·5	50·7	
9·8		8·0	52·6	9·5 –
10·2	4	22·5	7·9	
10·2		52·7	5·1	
9·4	5	4·5	25·7	9·5
10·2		9·5	25·1	
8·5		15·5	47·1	8·5
9·6		16·0	21·6	
8·5		32·8	19·9	9·2
9·4		56·8	46·4	9·5
9·8†	6	29·3	57·7	
8·6		52·8	43·5	8·5 =
8·6	7	23·8	16·1	8·5 –
8·9	8	14·6	57·1	8·0 G–
9·4		26·8	8·5	9·5
9·6		33·3	13·4	
25pr.	+1	11·0	−8·1	

3061—3120.

mag.	11h. m	s	−33° ′	
9·3	8	35·8	33·4	9·0 –
10·2		52·6	57·3	
9·8	9	13·7	56·3	
9·0	10	8·3	28·3	9·0 –
10·0		18·8	3·4	
7·0		19·6	59·2	7·0 GS–t
10·2		52·8	10·1	
9·4	11	0·8	4·9	
9·2		3·8	40·6	8·5 –
9·8		42·7	29·6	
10·0		55·8	58·7	
9·8	12	3·7	52·5	
9·0		20·3	29·1	
7·9		35·3	4·2	8·3 G–
10·4†	13	20·6	58·8	
10·2		36·3	5·7	
10·4†		48·1	59·4	
10·2	14	31·4	52·2	
9·2	15	47·3	34·2	–
9·2	16	2·8	22·7	9·0
8·5		5·8	5·7	8·0 G
10·4†		10·6	58·5	
9·5		12·8	11·8	
9·3		27·8	46·1	9·0
8·9		35·8	22·7	9·0
9·4		46·1	33·0	9·5 –
8·2		50·9	58·8	8·5 –
9·0		58·1	39·0	9·5
10·2	17	2·1	49·5	
9·4		10·6	47·6	
10·2		12·6	45·6	
8·6	18	9·3	58·9	8·2 G
7·4		26·1	35·9	8·0 GS=t
9·3		42·1	41·1	
10·4†	19	32·6	59·9	
10·2		44·1	52·4	
9·6		47·1	38·3	
9·6		56·1	3·5	9·5
10·2	20	7·1	21·0	
8·4		22·1	29·0	8·5 –
9·3		24·1	27·1	8·5 –
8·5	21	15·3	0·0	9·0
10·2		24·2	56·6	
10·0†		42·6	59·7	
10·4		56·8	15·7	
10·0		56·9	3·1	
10·4	23	17·3	41·5	
10·4		26·1	14·8	–
9·2	24	1·3	21·2	9·0 –
9·4		22·3	19·6	9·0
9·2	25	13·7	1·9	8·8
10·4		16·3	38·9	–
9·6		22·8	28·4	
10·4	26	18·3	4·2	
10·2	27	32·1	9·5	
9·2		59·8	11·7	9·0 –
9·0	28	15·3	31·4	8·5 G–
10·2		40·8	36·7	
9·7		48·3	49·1	
8·8	29	15·8	34·0	
	+1	12·7	−8·2	

3121—3180.

mag.	11h. m	s	−33° ′	
9·8	29	42·3	59·5	9·0
10·4		57·5	55·2	G
10·2	30	2·7	13·1	
7·7		28·6	57·6	7·5 GStπ
10·4		44·7	49·6	9·5
9·2	31	55·7	51·1	9·0
10·2	32	1·4	40·7	
8·4		19·2	32·0	8·8 –
10·4		44·1	33·7	9·2
10·0†	33	32·2	52·5	
10·3		35·7	15·6	
9·0	34	6·7	45·4	
10·3		28·2	47·2	
9·4		30·7	33·8	
10·3		40·1	50·8	
8·6		46·7	14·0	9·0 –
10·3		54·8	52·3	9·0
8·6	35	5·7	48·3	8·5 G–
10·3		22·4	51·6	9·2 –
9·4		58·7	24·0	
10·3	36	19·2	51·0	
10·3	37	0·4	50·3	
8·8		15·7	11·6	8·5 G–
9·8		33·4	3·3	
9·0	38	2·2	46·3	9·0 –
10·3		35·7	31·0	
10·3	39	43·2	31·1	
9·6		43·2	8·5	9·5
9·4	40	44·7	28·9	
8·8	41	13·2	12·2	
8·8		22·7	45·3	8·8 –
9·8		40·7	23·1	–
10·2		52·4	1·6	
10·3	42	22·2	41·0	
10·3	43	56·4	7·6	
10·3	44	39·1	35·3	–
9·8†	45	49·8	58·9	
9·2	46	21·2	22·3	9·0
5·2		35·9	12·7	4·5 GSπβ
9·6		55·0	59·1	
9·6	47	8·1	7·9	
9·6		17·1	51·4	
10·0†		21·3	58·9	
9·2		29·1	43·4	8·0 G
9·6		40·0	48·9	9·2
9·6		47·4	57·6	8·8 –
9·6	49	3·1	20·0	
8·8		37·1	32·4	9·5
9·7†	50	9·3	57·2	
8·8		16·6	54·3	9·5
9·6		41·8	58·8	
9·6		48·6	35·4	
10·0†	51	5·1	57·4	
9·6		57·1	23·9	
9·6	52	13·6	47·5	
9·6		15·6	49·6	
9·6	53	32·9	57·9	
8·8		33·1	9·9	9·2
9·6		51·6	26·0	
7·8	55	2·1	21·1	7·0 GS–
	+1	15·0	−8·3	

3181—3240.

mag.	11h.–12h. m	s	−33° ′	
9·6	55	13·1	26·6	9·0 –
7·2		24·3	57·3	7·0 GS–t
9·0	56	22·1	51·1	9·2 –
9·0		30·6	16·3	
8·8	57	5·1	54·5	9·5
9·4		22·1	40·2	
9·6		54·6	37·6	
9·6	58	14·6	13·9	
9·6		37·1	29·7	
8·4		47·1	30·7	8·0 GW
8·8	59	51·6	46·5	9·0 –
9·4	0	5·1	49·3	9·5
9·0		34·1	35·6	–
9·3†		42·4	50·6	
10·1†	1	5·5	58·5	
9·6		15·1	12·7	9·0
8·8		23·8	1·5	9·5
9·6		40·6	8·0	
9·6		45·1	42·9	
7·7		53·6	58·7	7·0 GStπ
8·2	2	8·1	7·5	9·2
9·4		55·1	27·0	–
9·6	3	40·4	59·9	9·0
8·6		41·8	7·6	
9·6		45·8	10·9	
8·8		59·3	54·4	9·0 –
9·0	4	47·1	1·4	9·5
9·6		57·3	46·0	
9·6		58·3	1·2	
9·4	5	54·5	34·9	9·0 =
9·6	6	4·3	2·8	
9·6		11·3	9·9	
9·6		27·8	10·5	
7·8		44·8	25·7	7·0 GS–
9·6	7	0·8	34·8	
6·8		7·3	5·8	6·5 GS
9·6		23·3	27·2	9·0
9·0		23·8	1·1	
7·4		49·3	5·1	7·0 GS–
9·6	8	5·3	6·2	
9·6		13·8	19·8	9·0
9·8†		31·0	55·8	
8·4		39·3	19·4	9·0
9·6		41·8	10·8	9·5
10·0†		51·0	8·7	9·5
10·2†	9	42·0	56·9	
9·0		47·6	33·1	8·5
9·0		53·3	6·6	9·0
9·2	10	1·9	45·1	
9·6		20·5	8·4	
9·1		58·0	48·6	8·8 G–
8·0	12	34·3	3·0	8·0 G–
8·4		50·5	6·1	9·0
9·6	13	33·0	14·0	
9·6		38·3	29·4	
9·6		59·7	18·5	
9·3	14	28·8	3·9	
9·9†		52·8	55·3	
8·3		56·8	39·4	7·8 G–
9·6	15	2·8	4·7	
	+1	17·4	−8·4	

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3241—3300.				
mag.	12^{h} m	s	—33° ′	
9·5	15	5·3	28·5	
9·2		13·3	11·3	10·0
9·0		25·8	6·0	9·3
9·6		42·7	35·9	9·0
9·2		58·8	39·6	9·5
8·4	16	17·8	18·0	7·8 G–
8·8		43·8	42·9	8·5 G–
9·6	17	4·8	42·6	
9·8†	18	3·3	54·9	
9·0		23·8	38·5	8·8 G=
9·4		35·3	3·5	
9·6†		42·1	59·8	
8·7		51·8	34·8	9·2 –
9·0	20	10·3	19·3	9·0
8·2		37·8	26·2	8·0 G–
8·5	21	54·8	17·4	9·0
9·8†		58·8	53·3	
9·5	22	9·8	15·2	
9·6	23	19·7	47·4	9·5
9·6		21·8	53·1	G
8·0		25·8	48·4	9·0 G–
8·8		41·8	3·8	9·5
9·6		42·8	16·4	
8·5	24	11·8	50·4	9·0
9·9†		52·1	56·9	
9·8†	25	6·5	54·8	
9·8†		11·5	54·0	
9·6		22·3	5·5	
9·6	26	43·0	58·4	8·8 –
9·6		52·7	54·1	9·5
9·4	27	47·3	37·6	
9·1	28	8·8	8·6	
8·4		13·8	10·3	8·5 –
8·7		15·8	2·7	9·5
9·4		23·7	37·7	
9·6		34·7	48·3	
10·0†		35·8	57·9	
8·7	29	22·8	30·5	
8·8		22·8	30·1	
8·6		28·3	3·5	8·5 GW–
9·0		35·3	29·1	
9·0		42·3	37·7	
9·6	30	52·3	20·9	
9·6	31	36·8	23·4	9·5
9·2	32	14·3	27·8	9·0 –
8·7		27·3	35·0	9·0
9·0		44·8	7·6	9·0
9·4	33	8·3	41·3	
9·6		10·0	58·4	
8·0		46·0	23·4	9·0 –
9·1	35	50·5	20·2	
9·9	36	3·6	53·5	
8·8		14·5	36·6	–
9·1		32·0	0·0	8·5 =
10·0†		32·7	58·8	9·0
9·0	37	3·0	20·4	
9·6†	38	26·9	59·2	
9·7	39	28·0	8·3	
7·8	41	10·0	22·6	8·2 G=
9·8†	42	14·4	57·8	
25pr.	+1	19·4	–8·3	

3301—3360.				
mag.	12^{h}–13^{h} m	s	—33° ′	
9·9	42	16·5	52·1	
8·2		57·5	25·2	8·5 =
9·3	43	7·5	37·6	9·0 G–
9·9		27·5	19·2	
9·6†		30·7	59·0	
5·7		55·0	18·9	5·5 GStπ
9·2	44	10·0	38·2	
9·4		40·5	44·8	
8·8		43·0	19·4	9·0 –
9·4	45	29·0	19·0	
9·9		30·0	55·2	
9·9		42·0	30·5	
8·8		59·0	38·0	
9·2	46	12·0	26·6	9·0 –
9·1		18·0	13·7	
10·0†		24·2	58·9	
9·8†	47	36·0	55·3	9·5
9·8	48	41·0	22·6	
9·8		46·0	23·2	
8·4		53·1	0·3	8·3 G=
9·3	49	44·5	20·0	
8·5	50	6·5	36·2	8·5 =
9·3		39·3	58·1	
8·3		45·0	11·7	9·0
9·6	52	2·0	23·8	
9·4		10·5	41·8	–
9·0		46·3	14·6	9·5
9·7	53	11·5	11·9	
9·7		37·8	42·7	
8·2		46·3	29·8	8·5 =
9·8		59·3	30·3	
9·8	54	8·8	43·7	
8·8		20·8	12·0	9·0
9·2		39·3	48·8	9·0 –
8·5	55	10·3	48·3	9·0
9·0		26·8	5·7	9·0
9·0		30·3	25·4	
8·8	56	2·8	53·0	
7·8		9·3	37·2	7·8 GStπ
9·9		32·3	53·0	
8·8		42·8	1·2	9·5
7·4		52·6	34·7	7·2 GStπ
9·6	57	8·5	26·7	
9·2		13·1	13·2	
9·7		30·6	56·9	
8·4		35·4	28·7	8·8
9·7	58	12·4	5·6	
9·1	59	59·4	41·2	
7·4	0	3·4	26·9	7·5 GStπ
10·0†		9·6	57·2	
9·0		26·4	31·1	9·5
9·2		36·9	28·8	
8·7	1	17·9	18·4	9·0
8·0		28·4	27·0	8·2 =
7·8	2	3·9	40·8	8·0 G=
9·3		26·4	49·0	
9·2		35·3	21·9	
9·3		41·3	54·0	
9·4	3	10·5	10·5	
9·6		53·3	52·7	
	+1	22·0	–8·1	

3361—3420.				
mag.	13^{h} m	s	—33° ′	
9·0	4	0·4	3·5	
9·8†		4·6	58·9	
9·6		40·3	59·2	
9·1		56·3	24·5	
9·7	5	36·8	43·3	
9·7	6	23·8	18·6	
9·7		37·7	57·1	
9·7		57·5	31·2	
8·6	7	30·3	16·0	8·5
8·2		33·3	23·2	9·0 G–
9·4		40·3	46·9	
8·7		41·8	48·6	9·5
7·9		55·3	58·2	7·5 G
7·4	8	16·8	29·4	8·0 G–
8·4		37·3	27·6	9·0 –
8·7		38·3	51·1	9·0
9·1		42·5	57·0	9·5
9·1	9	19·3	31·7	
9·6		26·8	4·1	
8·6		30·8	36·5	9·0 –
7·8		54·8	56·3	8·0 G–
9·3		57·8	28·1	9·0 G
9·4	10	38·3	5·9	
9·6		50·3	51·8	9·5
8·3	11	1·3	27·7	–
8·7		22·3	45·2	
9·2		23·3	56·4	9·0 –
9·2		46·3	43·7	
9·9†		49·6	49·3	9·5
9·0	12	6·3	55·6	9·0 –
9·4	13	0·3	56·9	
8·8		3·3	55·3	8·5 –
9·1		16·3	4·8	
9·2		17·3	6·1	
10·0†		24·5	57·0	9·5
8·3		30·3	0·1	7·8 G=
8·4	14	23·8	18·8	9·0 –
9·4		36·3	30·8	
8·7	15	23·3	17·7	8·5 –
10·4†		39·4	18·2	9·5
9·6		40·3	39·8	
8·7		42·4	1·5	9·2 –
9·3		47·1	56·1	
9·7		55·6	9·5	
9·6	16	6·1	41·5	
9·1		9·1	46·3	
9·6		26·1	47·4	
8·7	17	37·1	46·9	8·8
8·2		44·0	58·9	8·0 GS–
7·6		45·6	38·1	8·0 GS=t
9·6		46·1	12·8	
8·9		55·6	27·6	9·0
10·0†	18	40·9	59·8	
9·1		49·1	23·5	–
9·1		56·1	48·8	
7·9	19	23·1	21·1	7·0 GS–t
9·6		40·6	30·2	
9·6		46·1	12·9	
8·2	21	10·6	3·4	8·2 =
9·1		55·9	3·7	
	+1	23·8	–7·9	

3421—3480.				
mag.	13^{h} m	s	—33° ′	
8·4	22	5·4	38·9	9·0
10·4		58·6	1·6	
8·4	23	46·7	26·5	8·0 G–
9·8	24	41·2	8·0	
9·6		52·7	30·5	9·0
10·4†	25	2·2	57·7	
9·6		4·2	52·1	
10·4		10·7	11·9	
9·4		19·7	26·9	9·5
9·8		34·2	17·1	
10·4	26	39·4	56·5	
8·4	27	3·7	25·5	8·0 –
10·4		3·7	30·9	
10·0		6·7	11·9	
7·8		7·1	44·8	8·0 G=
9·8		9·1	3·1	
9·0		34·1	30·8	8·5
8·1	28	22·1	22·5	7·8 G–
9·8		42·6	41·1	
8·4		57·1	44·0	8·5 –
6·8	29	42·1	49·7	6·5 GS–
8·9		45·1	57·8	9·5
10·3		53·1	42·8	
9·8	30	21·6	24·6	
8·4		30·6	40·0	8·5 =
10·2		45·6	10·8	
10·4†	31	20·0	58·0	
9·8		26·6	7·6	
10·4		36·1	23·3	
9·6	32	3·1	11·8	9·5
? 10·2		47·6	0·1	
10·4		52·8	32·1	
9·4	33	12·6	33·6	
7·6		20·6	43·3	7·5 GS=
10·3		30·6	33·0	
9·8		32·6	46·2	
9·6		36·6	19·0	
10·3		45·1	3·3	
6·8		52·1	49·4	7·0 GS–
10·4		54·5	57·2	
9·4	34	0·4	1·3	8·8
10·4†		2·9	59·5	
9·2		35·6	8·0	8·7
10·4		54·1	9·6	
6·8	35	10·1	20·7	6·6 GS
10·4		25·6	21·9	
9·6		32·6	25·1	9·2
10·4		43·6	47·5	
9·8	36	5·6	55·0	
8·7		19·6	36·3	–
9·6		25·9	19·2	9·5
10·4		32·9	20·0	
10·3		39·4	7·2	
8·9		40·4	31·2	
9·8		41·4	26·3	
10·2		42·9	10·4	
10·4		55·9	29·8	
10·4	37	9·4	21·1	
9·4		17·9	47·0	
9·6		22·9	3·1	
	+1	25·5	–7·[illegible]	

3481—3540.

mag.	13h. m	s	—33° ′	
10·4	37	26·9	52·4	
9·6		32·9	18·8	
10·4		45·4	41·2	
10·4		51·9	9·9	
9·2	38	7·4	51·4	
10·0		7·4	5·3	
9·4		16·4	35·7	
9·2		18·9	45·5	
8·6		20·4	20·7	9·0 —
9·6		36·4	14·6	
9·6		51·4	18·7	
7·7	39	16·9	8·8	8·2 G
9·9		43·9	6·0	
10·4		56·4	12·3	
10·4	40	14·4	52·2	
10·4		22·4	49·2	
10·4		26·7	13·8	
9·4		30·9	39·4	
10·3		39·9	49·3	
10·0		48·9	10·4	
9·6	41	2·2	0·9	
9·6		21·9	23·4	
10·2		56·4	21·1	
9·6		57·4	9·1	9·0
7·2	42	9·9	11·9	8·2 G—
6·2		12·4	49·4	4·8 GSπβ
9·9		12·9	12·0	
9·8		12·9	23·4	
9·2		16·9	36·2	
10·0		51·4	21·6	
8·4	43	52·9	9·9	8·5 G—
8·2	44	2·4	16·3	8·5 —
10·3		3·4	1·1	
9·8		21·9	23·4	
9·9		23·9	46·9	
9·6		46·4	18·3	9·0 —
9·9	45	0·7	0·1	
8·8		1·9	14·5	9·5
10·4		14·9	17·7	
8·6		17·4	42·0	8·5 —
9·2		30·9	30·9	
9·0		44·3	11·0	
8·0		58·0	59·4	8·5 —
10·4		59·9	32·7	
9·5	46	31·7	52·4	
9·5		39·5	7·2	
8·7	47	0·7	10·9	9·5
10·4†		10·5	58·5	
7·4		22·2	58·7	7·0 GS-t
8·8		42·7	39·8	
9·5	48	7·7	48·7	
9·5		17·3	57·8	
8·8		25·2	44·1	9·0
8·4		55·7	15·7	8·5 —
8·5	49	11·7	21·2	9·0
9·5		13·2	34·8	
8·8		52·7	36·5	9·0
9·5	50	1·0	59·6	
10·4†		13·5	58·3	
8·5		25·0	5·6	9·5
25pr.	+1	26·4	—7·5	

3541—3600.

mag.	13h.–14h. m	s	—33° ′	
9·5	50	29·5	46·3	9·0
8·4		42·0	34·7	8·5 S=
8·0		47·0	21·9	8·0 GS-t
8·0		50·0	47·0	8·0 GS—
8·3	51	20·0	47·2	8·0 GS—
8·3		23·0	22·8	8·0 GS-t
9·5		28·5	22·4	
9·5		34·0	48·3	
8·5	52	45·5	58·8	9·0
8·6	53	34·0	31·1	8·8
8·8	54	46·0	37·3	9·0
9·5	55	11·9	3·9	
9·5		38·5	40·0	
9·5		41·0	3·2	
7·8		45·0	56·2	8·0 G—
8·9		52·0	16·6	
9·5	56	16·5	48·6	
9·0		36·0	33·1	—
8·6		56·0	55·1	8·5
8·0	57	16·0	10·3	8·0 G—
9·1		18·5	30·1	
9·2		21·5	50·1	8·8
9·5		27·3	57·9	8·5
9·6		51·9	11·0	
8·3	58	27·0	35·7	8·5 —
8·1		28·5	5·7	8·0 GW—
8·5		36·0	23·1	9·0
9·6		48·5	5·1	
8·9	59	9·5	41·5	9·0
9·2		22·0	47·7	
9·6	0	3·0	29·1	
9·6		30·0	5·4	
9·5		32·9	46·2	
8·8	1	15·0	53·3	
8·6		16·3	1·1	9·2 —
9·5		18·5	30·1	
8·6		58·0	20·3	8·5
9·5	2	39·5	54·3	
9·4	3	32·0	14·9	
10·4†		32·5	57·0	
9·0	4	12·0	5·7	
9·3		13·5	26·1	
8·8		38·5	21·2	9·5
9·0	5	26·5	57·1	
10·0†		36·8	57·1	
9·2		53·0	27·5	
9·6	6	7·0	10·0	
9·6		19·5	24·4	
9·0		33·0	49·6	
9·5		37·5	50·7	
9·6		49·0	21·8	
9·6	7	20·0	13·2	
8·4	8	0·5	15·7	9·0
8·3		40·0	50·1	8·0 —
9·0	9	24·5	49·6	9·0
8·4		36·7	57·3	9·0 —
9·0		59·4	27·6	
9·7	10	14·5	21·0	
9·7		25·2	11·4	
9·2		33·9	16·5	
	+1	27·9	—7·2	

3601—3660.

mag.	14h. m	s	—33° ′	
9·6	10	58·5	42·0	
9·6	11	26·7	31·4	
8·8		35·5	5·3	8·5 —
9·2		36·2	49·8	9·0
9·6		49·2	3·2	9·0
8·6	12	36·7	21·9	9·2 —
9·6	13	9·7	3·8	
8·3		13·2	6·6	9·0 —
9·2		21·2	46·9	
9·6		27·5	33·8	
9·0		37·2	15·4	
9·0		51·7	40·7	8·8 G=
9·2	14	12·7	19·7	
9·3		25·2	19·3	
9·7		26·1	58·8	
9·2	15	43·2	50·0	
9·6		55·2	52·1	
9·6	16	18·2	17·0	—
9·3		20·1	56·3	
9·2		20·6	8·4	
9·1		39·1	1·6	
9·6		47·1	7·2	
8·3		47·1	21·5	8·8
9·6	17	25·6	38·3	
8·2	18	4·1	16·4	9·2
9·7	19	13·1	0·6	
8·8		25·1	9·6	9·5
9·4		34·1	19·2	
9·4	20	29·6	9·2	
9·6		43·1	6·3	
8·8		52·1	17·9	8·8 —
9·3	21	34·6	16·6	
9·7		40·2	54·6	
9·2	22	44·1	17·3	
8·2		46·1	3·6	8·0 G=
9·4	23	30·1	21·4	
9·0		33·1	37·7	
10·0†	24	3·3	58·8	
9·2		14·1	7·6	
9·4		15·1	12·3	
9·2		40·1	31·6	8·5
8·9		43·1	4·9	
8·4		47·1	3·2	—
8·8		52·1	51·6	8·5 —
9·2	25	15·1	46·6	
9·2		21·6	19·3	9·5
9·6		24·1	12·2	
9·2		52·0	59·5	
9·2		56·1	0·3	
9·1	26	3·1	26·3	
9·6		5·6	35·7	
9·6		37·1	38·7	
9·1	27	23·1	22·9	9·0 —
9·6		34·1	3·9	
9·4		43·1	49·9	
9·7	28	2·1	39·6	
9·6		42·1	22·0	9·0
9·6		46·6	44·1	
8·6	29	7·1	13·6	9·0
9·0		12·1	49·2	
	+1	29·6	—6·8	

3661—3720.

mag.	14h. m	s	—33° ′	
9·3	29	30·1	12·4	9·0
9·6		40·6	14·8	
10·0†		50·0	56·7	
8·4		58·1	43·6	9·2 —
9·6	30	21·1	44·3	9·2
9·7		22·6	56·3	
9·6		51·6	38·4	
9·7		55·1	48·6	
9·6	31	0·8	46·1	
9·1		57·3	42·1	
8·8	33	1·1	6·8	9·0
9·7		2·3	38·9	
9·8		37·4	59·9	9·5
9·6		44·1	23·5	
8·5		49·1	24·7	8·5 G=
8·6	34	29·1	46·8	8·5 —
8·0		42·6	5·9	8·0 G—
8·7	35	23·9	18·2	9·5
8·8		27·9	43·2	
9·6		45·9	41·5	
9·2		53·9	20·9	9·0
8·6		58·9	14·6	9·5
9·4	36	14·9	30·8	
9·2		31·9	37·2	
9·2		51·9	31·6	
9·9		58·4	57·4	
8·8	37	19·9	51·0	
8·6		40·9	34·8	9·5
9·4	38	12·9	19·0	
8·4		45·9	14·2	9·0 G=
9·8	39	0·9	30·9	
9·9		2·7	57·9	
9·4		13·9	34·7	
9·3		45·9	31·1	
8·9	40	7·9	10·1	
9·0		37·4	13·6	
9·9		53·5	56·2	
9·9		55·9	25·4	
9·2	41	30·4	54·0	
8·5		38·9	36·5	9·5
8·4		39·4	29·8	8·8 G=
9·4		42·9	52·7	
9·3	42	54·9	18·3	
9·5	43	18·9	55·5	
9·5		37·9	43·8	
9·9		54·9	0·0	
9·0	44	15·1	57·8	8·5 —
9·4		28·3	39·0	9·5
9·4		38·3	22·1	
9·6		39·8	53·2	9·5
9·6		50·8	7·4	
9·8	45	5·3	7·6	
9·0		7·3	6·1	9·0 G
7·9		13·3	6·8	8·2 GStπ
9·8		19·3	18·2	
9·8		38·3	28·1	
8·7	46	4·3	36·2	9·0 G
7·9		8·3	10·6	8·2 GS=t
8·5		14·3	7·8	7·5 GS=t
7·3		45·3	37·8	7·0 GS-t
	+1	30·9	—6·4	

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3721—3780.

mag.	14h.–15h. m	s	−33° ′	
9·5	46	51·3	16·5	
9·0	47	18·3	56·1	
9·2		51·8	10·8	
6·0	48	4·8	20·7	6·0 GStπ
9·4		24·3	4·8	
8·7	49	7·3	44·3	9·0
9·8		18·3	15·1	
9·8		53·3	35·9	
8·4		56·8	55·3	9·0
9·8	50	13·3	56·2	
9·2		24·3	11·2	9·5
10·2†		34·5	59·2	
8·6		47·3	10·6	9·2 –
9·8		52·3	49·8	
9·2	51	1·3	53·1	
9·9		13·8	4·8	
9·8		24·3	24·2	
9·8		28·3	41·0	
9·0		29·3	19·3	
9·6	52	3·8	24·6	
8·8		8·3	53·6	9·5
8·6		16·3	15·4	9·5
9·8	53	7·8	18·1	
8·0		22·3	20·3	8·0 GS–
9·8	54	10·3	53·1	
8·8		14·3	51·7	6·8 GS–
9·8		36·3	45·6	
8·4		55·3	20·3	8·8 –
9·8		58·3	46·8	
9·6	55	47·3	28·7	
9·3	57	1·3	7·4	8·8 –
9·8		7·3	44·5	
9·3		54·4	54·6	8·8
9·8	58	17·7	28·0	
9·8		23·0	29·2	9·0
9·8		26·7	12·0	
9·8		30·7	47·1	
9·9		33·2	38·7	
9·8		44·2	9·7	
9·3	59	20·5	0·2	
9·4		27·2	29·7	8·5 –
9·6		28·2	45·4	
9·6		30·7	46·0	
9·4		34·7	4·7	
9·3		37·2	10·2	
9·8		40·2	21·0	
9·5		42·7	8·0	
9·6		48·2	49·0	
9·8		58·2	0·3	
9·0		58·2	10·9	9·2
9·9	0	58·2	20·6	
8·5		58·2	28·0	
9·8	1	8·2	34·8	8·9
9·9		9·7	53·1	
9·8		40·2	11·7	
9·4		46·2	4·0	
9·4		49·2	19·6	
9·6		50·7	53·4	
8·2	2	0·2	20·0	8·5
9·1		3·2	54·2	8·5 W–
2·5pr.	+1	32·2	−6·0	

3781—3840.

mag.	15h. m	s	−33° ′	
9·0	2	10·2	41·8	9·3 –
9·6		23·7	54·4	
9·8		24·2	9·9	
9·4		28·2	50·7	9·5
9·9	3	36·2	47·9	
9·5		59·2	53·7	
9·9		59·2	2·8	
7·8	4	0·2	9·7	7·2 GS–t
9·6		30·6	53·8	
9·4		32·6	5·4	
9·4		33·6	5·6	
9·4		48·6	7·4	
9·5	5	30·6	38·2	
8·3	6	6·3	2·9	8·5 G
9·9		7·1	30·5	
9·5		12·1	56·8	
9·4		57·1	25·9	9·0 –
9·5	7	0·6	25·6	9·5
9·5		29·6	16·8	
9·9		53·6	32·3	
9·6		59·6	4·0	
9·5	8	47·6	26·1	
8·8		49·1	25·5	9·2
9·9	9	20·6	36·6	
9·6		27·6	43·6	
9·8		39·6	34·9	
9·5	10	38·6	15·8	
9·5		43·1	12·0	
9·9		51·5	21·4	
9·9	11	1·6	25·4	
9·9		10·6	11·1	
9·5		21·6	44·2	9·5
9·8		24·6	4·5	
9·9		30·1	18·4	
7·7		33·6	34·3	7·7 G≡
9·9		36·1	10·9	
9·6		41·1	26·0	
9·8		43·6	25·1	
9·5		56·6	49·1	
9·7		58·1	47·7	
9·9	12	1·6	33·7	
9·3		3·1	5·9	
9·5		20·6	38·8	
9·5		32·9	3·1	
9·9		41·4	22·0	
9·4		47·9	32·3	
9·9		49·9	18·6	
9·9	13	0·9	37·7	
9·9		2·4	6·0	
9·5		7·9	14·1	
9·8		14·8	14·1	
9·5		18·9	24·5	9·5
9·5		27·9	38·4	
9·9		31·9	21·5	
9·8		52·9	47·2	
9·5	14	17·4	33·1	
8·9		38·9	15·8	9·0
7·6		38·9	42·4	8·0 GS=
9·5		38·9	39·0	
9·0		53·9	9·9	9·0
	+1	33·2	−5·6	

3841—3900.

mag.	15h. m	s	−33° ′	
9·9	14	59·9	5·4	
9·5	16	7·4	28·9	
9·1		18·9	35·4	9·0
9·8		33·9	30·3	
9·9		35·4	9·3	
8·9		43·4	37·1	9·0
9·3		52·9	21·9	
8·8	17	23·9	5·4	9·0
9·1		31·9	4·1	
9·6		41·4	34·7	
9·9		57·9	59·0	9·5
9·8		58·9	30·0	
9·8	18	8·9	31·5	
9·9		11·9	17·9	
8·9		13·9	17·5	
9·7		42·4	11·4	
9·8	19	58·9	50·4	
9·9	20	9·9	29·0	
7·5		12·4	6·4	7·8 GS–t
9·0		19·9	44·5	
9·4		20·4	11·4	
9·7		21·4	5·2	
9·9		37·9	2·9	
9·5		43·9	13·8	
9·8		44·8	21·3	
9·2		58·3	53·8	8·5 –
9·4	21	11·6	29·6	
9·6		14·4	18·6	
9·9		49·2	38·5	
9·5		51·1	1·5	
9·5		54·2	23·9	
9·4	22	29·0	33·3	
9·8		29·2	17·1	
9·6		31·2	25·8	
9·5		33·4	26·0	
9·8		44·2	12·7	
8·2		48·2	8·9	7·8 GS–t
9·4		53·8	16·4	
9·7		55·0	20·8	
9·8	23	16·2	10·3	
7·2		25·8	23·3	7·0 GS–t
9·7		32·3	14·3	
9·7		37·2	33·3	
9·7		59·3	9·1	
9·7	24	20·8	57·1	
9·7		42·3	11·8	
9·0		57·3	32·0	
9·4	25	2·3	6·9	
8·7		12·8	42·4	
9·6		35·2	55·8	
8·0		39·3	56·0	8·2 –
9·2	26	11·3	18·9	
8·9		24·3	31·0	
9·4		29·3	13·3	
9·7		45·3	0·9	
9·7	27	13·3	48·9	
9·7		40·8	50·9	
9·7	28	1·8	31·0	
9·7	29	31·0	51·3	
9·0	30	15·6	52·2	8·8 G–
	+1	33·9	−5·3	

3901—3960.

mag.	15h. m	s	−33° ′	
9·6	31	15·6	19·2	
9·2	32	16·6	38·7	
9·7		34·1	50·7	
8·4		36·1	50·1	9·0
9·7	33	2·6	38·7	
9·2	34	27·1	5·6	8·5
8·0	35	32·8	0·4	7·8 G–
9·0		36·6	18·2	
8·2		37·6	5·2	8·8
9·7		43·6	8·1	
9·7	36	44·1	0·0	
9·0	37	0·1	13·4	9·0
9·0		2·1	48·0	
8·8		12·6	5·2	8·2 –
8·7		13·1	45·4	8·5
9·7		22·1	16·8	
9·1		24·6	18·1	
9·2		36·1	48·1	
8·8	38	2·1	49·9	
8·8		13·1	43·7	
8·8		29·6	30·1	
9·7	39	2·1	57·1	
9·0		33·1	16·7	G
8·2		34·6	4·7	
8·8	40	9·1	6·4	8·0 G–
9·7		14·1	30·4	
9·6		15·0	19·7	
9·4		50·1	20·3	
9·7	41	40·1	36·1	
9·2		52·6	36·4	
8·4	42	4·1	44·3	8·5 G–
8·0		47·6	16·8	
4·3	43	1·1	14·5	4·0 GSπβ
9·7		9·4	0·0	
9·7		56·8	0·9	
9·7	44	0·2	56·4	
9·2		2·7	23·8	
9·6		13·2	36·2	
7·7		16·7	44·4	7·8 GS–t
9·7		53·2	13·8	
9·7	46	11·2	51·6	
8·4		23·0	41·2	8·5
9·7		31·7	3·2	
9·7		35·7	17·4	
9·6		49·5	2·4	9·0
8·4	47	10·7	52·2	8·5
9·7		13·8	18·9	9·0
9·6		17·4	17·2	
9·6		32·9	2·0	8·5
9·8	48	20·9	5·4	
5·8		54·4	35·7	5·6 GStπ
9·6	49	40·4	24·0	9·0
8·6	50	15·9	42·5	
10·0	51	38·9	15·5	
7·4		57·4	1·6	7·0 GS–
9·5	52	8·9	53·9	
9·2		20·4	14·6	9·0
10·0		23·4	45·9	
9·6	53	7·9	44·1	
8·3		35·9	52·5	9·0
	+1	35·0	−4·7	

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3961—4020.

mag.	15h.–16h. m	s	—33° ′	
9·5	53	36·9	42·9	
10·0	54	0·9	41·0	
8·3		23·4	18·1	8·5 –
10·0		48·9	46·7	9·0
9·4		59·9	43·0	9·0
9·2	55	10·3	45·5	9·0
10·0		30·8	8·9	
9·6		50·8	47·9	
8·2	56	26·8	29·0	8·5 G–
10·0	57	11·3	4·0	9·0
7·8		27·3	39·5	8·0 =
10·0		33·2	52·2	
10·0	58	43·8	36·0	
10·0		44·8	36·0	
9·0		57·8	56·7	9·0
9·0	59	3·8	49·3	9·0
8·0		16·8	22·1	8·0 GS–
10·0		19·8	31·9	
10·0		22·8	28·9	
10·0		42·8	46·2	9·0 –
9·7†	0	14·1	40·2	9·0
8·1		14·3	41·7	8·8 –
9·0	1	42·8	9·4	8·2
8·6		44·9	1·6	9·2
6·0		52·3	12·7	6·0 GStπ
10·0	2	12·3	50·2	
8·7		34·3	6·2	8·7
9·5	3	0·8	21·3	
10·0		20·3	26·8	
9·1		32·8	18·1	9·0
8·8		47·3	11·8	8·2 G–
10·0		56·8	52·5	
9·4	4	24·4	41·1	
10·0		43·1	53·0	
9·1		52·9	31·2	
8·6	5	8·6	59·0	7·5 GS–
9·2		20·4	32·1	
9·2		26·4	40·7	
8·7		26·4	15·9	9·0
10·0	6	19·4	54·9	
9·8		28·4	5·6	
9·0	7	10·4	50·2	9·0
10·0	8	1·6	1·5	
9·0		44·7	33·1	
10·0	9	0·2	32·3	
8·8		1·2	16·4	
9·0		34·9	27·9	9·5
9·1	10	16·7	19·8	9·0
8·8		23·7	42·0	8·0 G
10·0		24·4	41·6	
9·4		27·4	48·8	
9·0		33·4	48·8	
9·9		35·7	51·1	
9·7		49·4	46·2	
9·1	11	3·6	30·1	
9·9		4·0	26·4	
9·1		5·9	20·9	9·0
8·1		43·4	50·6	8·8 –
9·4		46·4	36·3	
9·8	12	3·4	24·5	
25pr.	+1	36·2	–4·1	

4021—4080.

mag.	16h. m	s	—33° ′	
9·9	12	3·6	54·4	
9·7		14·9	5·3	
9·9		23·9	6·7	
7·8	13	23·9	0·0	7·2 GS–
9·4		48·4	17·1	
9·8		51·4	9·3	
8·8	14	9·9	59·1	8·8 –
9·9		15·0	24·3	
8·2		30·4	22·5	8·0 G
9·9		35·9	58·9	
9·8	15	1·4	14·5	
9·0		3·9	43·3	8·5
9·4		25·4	12·2	8·5
9·0	16	10·9	43·9	9·0
8·1	17	41·4	16·6	7·5 GS–
9·9		47·9	32·3	
9·6	19	4·2	2·0	
9·6	20	12·7	45·2	8·5 G
9·0	21	20·7	57·5	
7·6		23·7	2·6	7·2 GS–
9·9		32·7	35·0	
9·0		42·2	55·5	9·5
8·2	22	1·7	50·5	8·0 G–
9·8		3·4	0·9	
9·9		10·2	49·7	
9·6		36·7	24·8	
9·6		45·7	3·6	8·2
9·6		54·7	57·8	
9·8		58·7	53·5	
8·3	23	21·7	10·3	8·5
8·0	24	3·2	12·0	8·0 GW–
9·4		9·7	18·0	
8·2		14·7	57·9	8·2 –
9·8		31·2	23·9	
9·1		32·2	28·0	
9·9		36·7	47·9	
7·3		54·7	15·6	7·0 GS–
9·9	25	13·7	32·7	
9·1		41·2	4·9	9·5
9·9		49·2	43·7	
8·8	26	16·4	1·7	8·5
9·9		39·7	22·0	
9·1		46·7	46·6	
7·8		52·2	57·4	8·0 W
9·9		52·7	33·3	
9·0		56·7	22·9	
8·6	27	15·7	45·0	8·5
8·2		16·2	33·0	8·0
7·7	28	6·2	56·2	7·0 GS–
8·8		46·7	47·7	8·0 –
9·9	29	1·7	27·0	
9·8		27·2	29·0	
8·6		28·9	0·2	8·8
9·0		40·2	52·3	
9·8		42·2	3·9	
9·8		43·2	16·6	
8·8		56·7	45·7	8·5 –
8·8	30	7·2	38·6	9·0
9·9		36·4	14·5	
9·9		54·4	52·8	
	+1	37·0	–3·4	

4081—4140.

mag.	16h. m	s	—33° ′	
9·2	30	56·2	40·1	
9·4	31	0·2	59·7	9·5
9·1		0·2	38·8	
9·9		7·2	37·5	
8·6		13·2	53·2	8·5 G
9·7		14·4	58·8	
8·0		16·7	52·4	8·0 G–
8·0		21·9	57·3	8·2 G–
9·9		27·2	33·5	
9·9		30·2	41·2	
9·9		38·7	41·0	
9·9		59·9	58·8	
7·6	32	5·2	29·6	7·0 GS–
9·1		26·7	39·0	8·0
9·4		34·5	6·6	
8·8		47·0	47·7	
9·9	33	33·9	52·9	
10·0		46·1	53·2	
8·8	34	0·4	31·4	–
10·0		41·8	16·5	
9·6	35	6·2	47·9	10·0
10·0		32·2	59·9	
10·0		36·7	2·0	
9·2		46·7	18·1	
9·6	36	3·2	4·9	
10·0†		6·1	59·6	
9·6		6·6	45·5	9·5
10·0		10·1	26·3	
10·0		29·1	11·1	
8·8		40·1	33·6	
10·0†		47·7	8·1	10·0
9·5	37	0·1	13·9	8·0
10·0		12·6	23·0	
7·8		26·1	36·8	6·5 GS–
9·6		32·1	36·8	10·0
10·0	38	12·6	9·7	
9·4		27·1	8·0	
9·5		30·1	58·3	
10·0		49·1	53·0	
9·8	39	0·1	3·7	
9·6		12·1	18·8	
9·2		23·6	59·5	9·2
7·8		27·1	28·1	7·0 G=tπ
10·0		32·1	13·4	
9·2		40·6	51·8	9·5
10·0	40	1·5	2·0	9·0 G
9·8		40·1	47·5	
8·4		46·1	42·7	8·5 G–
8·4		48·6	30·2	9·0 –
7·4	41	9·1	47·5	7·0 GStπ
10·0		58·1	58·8	
10·0	42	20·1	16·6	
9·6		46·1	7·2	
9·8		52·6	1·9	
9·4	43	6·6	32·9	
9·4		14·1	36·5	
9·6		38·1	30·6	
9·4	44	5·6	27·1	
9·2		58·6	10·2	8·5
7·5	45	0·1	4·2	7·5 GS–
	+1	37·5	–3·0	

4141—4200.

mag.	16h. m	s	—33° ′	
10·0	45	1·9	42·6	
9·4		35·1	56·5	
9·4		48·6	16·6	9·0 –
8·2	46	16·1	7·9	8·5 G
7·4		17·6	15·9	7·0 GStπ
10·0		40·0	1·6	
10·0		48·6	9·5	
9·8	47	7·6	10·9	
8·0		48·1	18·1	GSctπ
10·0†		57·4	58·0	
9·8	48	0·6	39·6	
9·4		4·5	53·8	9·0 –
10·0		5·6	25·6	
10·0		8·5	46·9	–
9·4		26·0	53·1	9·5
9·6		46·0	10·8	
7·6	49	3·0	3·5	5·8 GSπμ
9·6		40·5	20·6	
9·6		59·0	35·2	
10·0	50	5·5	33·8	
10·0		6·5	28·8	
7·6		10·0	24·6	7·0 G≡
10·0		21·8	28·0	
9·5		22·5	13·4	
8·8		30·0	36·5	
10·0		32·0	9·2	
10·0		33·0	18·0	
9·6		45·5	13·2	
10·0		52·0	21·7	
8·0		52·5	19·8	8·0 =
8·6		59·5	13·8	8·5
8·6	51	6·0	26·5	9·0
9·4		9·0	58·2	10·0
9·8	52	46·0	37·9	9·5
10·0		46·8	8·3	
10·0		53·5	41·3	8·5 =
9·2	53	23·0	11·6	
7·5		33·5	10·8	7·2 GS
8·2		40·0	42·8	8·0 =
9·5		49·0	27·4	
10·0†		51·2	59·6	
10·0	54	10·5	28·5	
9·0		13·0	19·8	8·2 –
9·4		22·0	4·3	
10·0		41·8	46·5	
9·2		42·0	37·6	
10·0†		52·0	39·5	9·5
10·0	55	12·0	28·6	
10·0		37·5	48·0	
9·4		47·0	5·7	
10·0	56	9·8	33·8	
10·0		31·0	17·8	
6·2		36·0	56·7	5·5 GStπ
9·8		44·0	59·5	
10·0		55·8	25·6	
10·0	57	5·8	15·8	
8·2		9·6	35·4	8·5 –
9·8	58	7·6	40·7	
10·2		29·1	8·1	
9·6		30·1	5·3	
	+1	37·9	–2·5	

4201—4260.

mag.	16h–17h m s	–33° '	
9.2	58 55.1	34.4	=
10.3	55.8	57.6	
10.0	59 48.4	58.2	
9.6	48.6	28.4	
8.5	0 8.1	41.8	9.0 =
8.9	24.1	55.6	9.2
10.3	29.1	20.7	
9.8	43.6	32.0	
10.2	48.1	6.1	
10.3	50.6	4.0	
9.6	52.1	25.7	
8.6	1 10.6	20.0	9.0 –
9.7	13.6	53.3	
10.0	14.6	13.8	10.0
8.8	15.1	37.7	
9.8	18.6	43.4	
10.3	30.6	0.4	
10.2	31.1	33.2	
10.1	32.1	38.3	
10.0	56.9	25.1	
8.8	2 15.1	40.8	9.5 –
10.0	18.6	39.6	
10.3	27.1	38.4	
9.7	45.6	24.0	
10.2	45.6	34.3	
10.0	49.1	35.7	
9.7	3 1.6	6.7	
9.1	5.1	13.4	
9.6	5.6	6.7	
10.3	8.1	18.6	
9.1	12.6	32.6	
10.2	15.1	55.9	
10.2	31.6	17.8	
9.6	41.6	44.0	
9.6	42.1	33.3	
9.8	43.1	17.1	
8.6	48.1	27.1	9.5 –
10.1	54.4	56.6	
9.5	59.7	27.6	
9.5	4 1.7	47.6	
10.1	7.5	44.1	
9.8	7.7	23.9	
10.3	10.2	25.2	
9.4	11.7	20.0	
9.8	12.2	34.4	
10.2	12.5	53.9	
9.0	19.7	16.0	
9.2	25.7	46.3	
9.0	28.7	6.6	
10.3	29.2	32.0	9.5
8.0	35.2	31.3	9.0 –
7.4	35.7	12.3	8.0 G
10.3	38.5	46.8	
10.1	41.7	20.0	
10.3	44.7	45.6	
10.3	46.7	17.2	
10.2	51.2	43.0	
9.6	51.7	5.8	
9.4	57.7	41.4	
9.7	5 4.9	59.5	9.0
25pr.	+1 38.1	–2.1	

4261—4320.

mag.	17h m s	–33° '	
9.1	5 6.2	2.2	
9.8	7.7	49.0	9.0 –
7.8	17.2	11.2	8.0 G–
10.2	19.7	21.5	
10.3	36.8	58.0	
9.4	44.7	14.7	
10.0	54.2	27.9	
8.9	56.5	1.8	8.7
8.8	59.2	4.2	9.2
8.8	6 1.7	7.0	9.2
10.0	1.7	21.6	
9.4	14.7	40.8	
10.3	15.2	4.8	
9.0	22.7	42.4	
8.8	32.7	15.2	
9.2	44.2	37.6	
10.3	46.2	36.7	
7.9	47.7	35.8	8.0 GS=
10.2	55.7	39.6	
10.3	7 4.7	33.0	
8.4	5.4	2.7	8.2
5.8	6.9	24.0	6.0 GStπ
10.3	11.9	52.3	9.0
9.7	12.9	37.4	
9.7	16.4	11.1	
10.2	16.4	52.2	
10.2	18.9	12.6	
9.2	20.9	7.4	
10.0	24.7	15.0	
8.0	24.9	41.2	8.0 =
10.1	26.4	58.1	
9.2	29.9	7.4	8.5
8.5	33.4	31.6	9.0
9.8	34.4	54.0	
9.0	36.9	54.1	9.0
7.0	37.9	35.4	7.0 GStπ
9.2	44.9	10.6	9.5
9.8	47.4	25.5	
9.4	51.9	3.5	
8.9	53.9	19.4	
9.4	55.9	18.7	
9.6	56.4	0.1	
10.0	57.9	9.2	10.0
10.3	58.9	2.4	
10.0	8 4.9	58.4	
10.3	5.4	9.3	
9.4	13.9	16.2	
8.8	17.9	31.5	9.0
10.3	21.9	34.6	
9.5	25.4	35.3	
9.5	26.9	37.6	
9.0	28.4	40.1	9.5
10.2	31.4	55.8	9.0
9.8	34.9	54.3	
9.7	41.9	32.3	
9.6	46.4	48.4	
10.3	50.9	11.1	
9.8	51.9	35.1	
9.2	52.4	26.2	
9.0	53.4	58.7	9.0
	+1 38.3	–1.9	

4321—4380.

mag.	17h m s	–33° '	
8.5	8 53.9	8.2	9.0
9.4	9 2.1	0.1	
10.2	3.4	52.9	
9.6	3.6	0.9	
10.3	3.7	39.6	
9.8	14.6	2.6	
9.7	18.9	35.6	
9.4	24.9	24.4	
9.7	28.0	48.8	
10.0	29.5	12.2	
9.4	30.0	9.4	9.5
8.2	30.8	57.3	8.0 G
9.0	35.5	28.2	10.0
9.0	45.0	20.2	9.5 –
10.3	45.0	19.8	
8.8	53.5	4.6	9.5
10.0	56.0	43.0	
10.3	10 1.0	22.0	
10.1	6.5	32.8	
10.3	9.5	14.0	
9.2	9.5	58.4	9.0
9.8	10.0	43.4	
9.8	25.0	25.0	
8.6	28.0	59.9	9.0 –
8.2	32.5	18.2	8.5 =
9.8	39.0	8.4	
10.0	41.5	51.0	
10.3	56.8	23.9	
10.0	56.8	31.0	
10.0	11 5.0	2.0	
10.0	17.0	50.2	
9.7	48.0	16.8	
10.3	12 7.8	16.6	
9.6	32.2	0.9	
10.0	33.8	14.7	
10.1	34.0	33.8	
9.6	34.5	34.4	
10.2†	38.1	59.2	
9.6	54.0	21.0	
9.8	56.0	0.2	
9.8	13 22.0	10.6	
8.6	46.0	17.2	9.0 =
9.5	46.0	36.8	
10.2	52.5	38.2	
10.3	55.3	59.6	
10.2	56.0	39.0	
9.7	58.0	22.2	
10.2	14 24.0	42.6	
8.8	39.5	41.6	9.5
10.2	44.5	38.2	
10.3	47.8	2.4	
8.9	48.0	5.0	–
9.1	51.8	59.6	9.0
9.1	15 4.0	41.8	8.5 –
9.8	6.5	3.0	
10.2	15.5	50.9	
10.3	39.0	43.1	
8.1	16 12.0	6.4	8.5 =
9.0	14.1	40.6	
9.8	16.6	52.6	
	+1 38.4	–1.8	

4381—4440.

mag.	17h m s	–33° '	
10.0	16 27.6	14.2	
9.5	54.1	20.8	
9.2	57.6	17.0	
10.2	17 6.6	24.6	
10.0	12.1	22.0	
9.4	14.1	28.6	
8.9	23.6	22.0	
10.2	30.1	56.1	
10.0	30.4	42.1	
10.0	34.6	45.0	
10.1	38.6	38.9	
9.8	44.1	3.8	
9.8	45.6	39.2	
9.4	50.1	22.6	
10.1	52.1	19.2	
10.0†	56.1	57.5	
10.1	18 16.6	14.6	
7.8	25.3	58.7	8.0 GS=
9.5	27.6	42.0	
9.6	32.1	44.4	
10.2	19 3.1	12.9	
10.3	6.7	0.7	
9.5	25.6	17.4	
10.1	26.4	56.4	
10.0	39.6	20.1	
10.2	42.4	14.4	
10.2	56.9	57.4	
10.0	57.6	36.1	
10.2	20 7.6	47.6	
10.3	12.6	47.9	
8.6	26.6	28.6	9.5 ≡
9.8	26.6	28.0	
10.2	56.1	49.0	
8.7	21 11.1	39.2	9.0 =
10.3	22.1	54.0	
10.2	22.6	52.2	
10.0	37.4	33.8	
10.3	40.2	34.7	
9.6	42.9	5.2	
10.1	50.4	26.6	
7.2	51.8	36.8	7.0 GS≥
9.0	53.8	36.0	9.5 G
10.2	57.1	28.0	
10.2	22 11.1	44.7	
8.8	19.1	33.2	8.5 –
8.6	34.6	30.5	8.5
9.9	36.1	36.4	
8.2	23 4.6	14.8	9.0
9.4	7.1	53.2	
9.7	14.1	50.6	
9.4	15.6	54.9	
10.2	23.6	54.3	
9.2	26.1	23.6	9.0
7.7	33.6	36.2	6.5 GS≡
10.2	24 8.1	27.1	
9.2	8.1	14.6	
9.3	15.5	0.9	
9.3	23.1	42.1	8.0 –
9.9	52.6	17.8	
10.0	54.1	18.5	
	+1 38.6	–1.5	

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4441—4500.

mag.	17h. m	s	—33° ′	
10·2	24	54·6	57·0	
10·2	25	17·6	51·7	
10·2		27·6	42·1	
10·2		38·1	8·0	
7·8		39·9	59·2	8·0 G=
9·2		42·1	34·0	
10·2		46·6	54·7	
10·2		47·1	23·9	
9·2		54·1	31·9	
10·0		59·6	52·7	
9·9	26	8·1	18·7	
10·2		8·6	17·0	
10·2		16·1	35·4	
9·2		16·6	38·2	
9·5		19·3	0·9	
8·8		24·6	34·2	9·0 –
9·2		45·1	31·6	
9·7		52·5	36·0	9·0
9·8		53·5	4·3	
9·7		55·5	41·2	
8·5	27	17·0	39·2	8·5 G
9·9		24·5	59·1	
9·6		27·0	6·7	
8·1		39·0	45·8	8·5 –
9·2		41·0	3·8	
9·8		43·0	20·8	
9·8		49·5	52·5	
10·2		56·5	24·6	8·5
9·5		57·5	48·7	9·0
10·2		57·5	23·7	
9·4		59·5	24·2	
8·7	28	4·0	13·3	8·5 =
9·9		15·5	58·9	
10·2		19·5	9·2	
9·3		20·0	30·9	
10·2		27·0	16·3	
10·2†		38·2	57·8	
9·4		40·0	18·3	
10·2		54·3	53·9	
10·0		58·5	16·8	
10·2		59·0	34·2	
9·6	29	11·5	24·7	
10·2		22·0	10·2	
9·2		22·5	36·0	
9·3		24·0	50·7	
9·7		24·5	21·7	
9·0		26·0	34·7	
9·4		27·5	9·4	
10·2		29·0	35·4	
10·0		30·0	54·1	
10·0		31·0	5·4	
9·5		35·4	9·9	9·0
9·4		41·9	24·1	
9·6		46·9	9·1	9·0
8·9		53·4	24·8	–
9·9		58·9	40·5	
9·8		58·9	7·2	
9·5	30	1·4	55·7	
9·8		4·7	57·6	
8·9		5·9	32·0	
25 pr.	+1	38·7	–1·2	

4501—4560.

mag.	17h. m	s	—33° ′	
10·2	30	6·4	49·9	
10·2		13·9	32·6	
10·2		14·4	52·3	
9·8		16·4	52·7	
9·2		24·2	58·5	9·0
10·2		43·4	39·6	
9·6		43·4	33·1	
9·9		44·4	49·1	
10·0		51·4	29·5	
9·4	31	8·4	55·8	
8·8		13·9	33·3	=
9·8		15·4	9·6	
8·1		15·9	28·6	–
9·7		23·9	24·3	
9·4		31·4	43·0	
8·9		33·9	4·7	
9·8		35·9	58·9	
8·2		44·9	3·9	8·5 –
8·9		50·4	7·7	9·2
9·8	32	22·9	43·3	
9·8		35·4	37·1	
10·2		43·4	49·3	
9·5		44·4	55·3	
10·0		45·9	19·7	
10·2		52·9	1·1	
8·2		54·4	53·9	8·5 =
9·2	33	3·4	39·9	
9·2		4·4	37·2	8·5 –
10·0		7·9	31·1	
10·2		8·4	51·7	
10·2		10·3	2·9	
9·2		24·8	39·3	9·5
10·0		27·3	28·0	
9·7		31·3	17·1	
10·2		32·8	30·7	
10·2		33·8	25·9	
9·4		41·3	55·9	
7·8		44·8	26·1	7·0 GS≡
9·6		51·3	34·4	
9·5		54·3	22·7	
9·4		54·3	4·9	
9·5		57·8	32·3	
9·7		59·8	32·9	
9·5	34	0·8	47·5	
9·0		1·8	23·7	
9·6		7·8	55·9	
10·0		11·3	54·1	
9·6		14·8	3·9	
9·6		27·8	12·6	
9·3		45·3	10·7	
9·6		45·8	8·9	
9·6		47·4	59·1	
9·3		49·3	50·5	
8·8	35	1·8	32·9	–
10·2		4·3	43·1	
9·9		12·3	27·4	
10·2		15·8	56·0	
10·2		16·3	29·7	
9·4		22·8	27·7	
10·2		28·3	19·0	
	+1	38·7	–1·0	

4561—4620.

mag.	17h. m	s	—33° ′	
9·6	35	33·3	53·1	
10·2		39·3	37·3	
10·0		52·3	54·7	
9·4		54·3	38·3	
10·2		59·3	51·8	
10·2		59·8	40·7	
10·2	36	0·3	31·9	
9·6		16·3	15·3	
10·2		18·3	50·5	
10·2		19·3	50·3	
8·7		24·3	12·7	
9·0		24·8	20·9	
9·3		33·3	6·7	
9·9		33·3	4·9	
9·6		38·3	28·7	
9·7		38·8	37·7	
9·5		53·7	45·9	
9·0	37	3·2	15·1	
10·2		5·6	0·3	
10·0		15·7	27·5	
10·2		16·7	32·9	
9·4		18·2	45·9	
10·2		20·7	53·6	
10·2		23·2	52·5	
10·2		24·2	13·0	
9·9		25·2	3·6	
10·2		27·7	14·4	
9·2		43·2	8·9	9·5
9·9		55·7	40·8	
10·2	38	3·7	50·2	
9·0		6·2	42·9	9·5 –
10·2		8·2	38·0	
9·8		19·7	37·7	
10·2		20·2	59·3	
9·4		25·7	54·8	
8·7		34·2	46·3	G
10·2		37·7	48·5	
9·8		43·7	5·9	
10·0		53·2	5·9	
10·2	39	4·7	53·3	
9·8		13·7	40·0	
9·0		16·2	18·1	
9·9		18·2	17·9	
10·0		21·7	29·3	
9·4		28·2	51·7	
10·2		29·2	29·3	
10·2		41·2	7·7	
8·2		43·2	57·1	7·5 GS–
8·8		43·4	57·7	9·0 G–
10·2		51·2	48·3	
9·5		53·7	31·1	
10·2	40	1·2	22·9	
10·0		3·2	16·4	
10·2		3·7	34·9	
10·2		5·2	47·9	
9·8		9·2	29·9	
9·6		30·7	11·5	
8·4		35·7	48·9	8·8
10·2		50·7	26·1	
10·2		52·7	52·5	
	+1	38·8	–0·8	

4621—4680.

mag.	17h. m	s	—33° ′	
10·2	40	53·7	26·0	
10·2		56·2	21·6	
10·0		57·7	12·2	
10·2	41	3·2	10·2	
10·2		6·2	56·6	
9·5		13·7	20·0	
9·5		20·2	25·4	
10·2		25·7	11·4	
9·8		27·7	36·0	
10·0		32·4	1·9	
9·6		35·7	44·7	
10·2		38·2	17·4	
9·2		40·2	44·8	
10·2		42·0	57·0	
9·0		42·7	20·0	
9·7		47·2	18·9	
9·6		52·2	10·6	
10·2		57·2	57·3	
9·5		57·7	5·4	
9·6	42	21·7	30·9	
9·9		23·7	51·2	
10·2		30·7	10·3	
10·2		35·7	27·9	
8·8		36·7	39·8	8·0 GS–
9·6†		36·8	58·0	
10·2		37·2	29·0	
8·9		38·2	53·8	
10·2		50·7	14·2	
10·2		59·6	56·6	
10·0	43	3·7	49·9	
8·2		4·2	47·4	8·5
9·6†		9·8	57·3	
9·4		10·7	27·0	
9·0		13·0	58·3	8·5 G
10·2		14·2	17·1	–
9·5		17·7	37·7	
9·6		21·7	24·8	
10·2		35·2	50·6	
10·2		35·2	9·8	
10·2		46·2	44·9	
9·9	44	1·2	7·0	
10·2		16·3	59·9	
9·6†		19·8	59·0	
10·2		24·2	13·5	
9·3		29·2	48·5	9·0
9·7		48·2	58·1	
9·6†		59·8	59·6	
8·7	45	5·7	43·8	9·5
9·0		8·2	42·2	
10·2		13·2	17·0	
9·4		13·7	19·0	
10·2		18·2	50·8	
10·0		23·4	4·3	
10·2		25·2	5·3	
10·2		29·7	26·9	
9·8		33·9	30·6	
10·2		34·1	44·1	
10·4		42·7	46·5	
10·4		42·7	52·7	
9·8		45·9	14·7	
	+1	38·8	–0·6	

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4681—4740.

mag.	17^{h} m s	−33° ′	
9·8	45 48·4	26·5	–
9·0	59·1	53·1	
8·7	46 9·9	35·1	=
8·5	17·1	54·9	8·5
10·4	17·1	46·9	
8·0	22·4	55·6	8·0 –
7·7	25·4	52·7	8·0 –
9·6	32·1	45·3	
9·8	33·6	53·2	
10·4	36·6	57·2	
8·5	41·6	10·1	
10·4	43·1	5·7	
10·2	47·1	39·6	
8·6	47 4·6	59·5	
10·4	5·6	34·2	
9·9	5·9	59·9	
9·8	8·6	45·3	
9·8	10·6	57·0	
8·7	16·6	48·1	9·0 G
9·2	23·1	20·9	
9·5	25·6	25·0	
9·8	34·1	25·3	
10·4	34·6	55·2	
8·5	41·6	6·4	9·0
10·4	45·1	31·4	
8·7	45·6	36·1	–
9·0	46·4	59·9	
9·5	50·6	11·2	
9·9	48 3·1	47·3	
10·4	13·1	52·9	
10·2	22·6	6·1	
10·0	31·6	5·0	
10·1	38·1	6·9	
8·3	47·1	23·1	8·0 G–
9·8	48·1	37·0	
9·5	50·1	5·2	
10·2	50·6	49·9	
10·4	49 0·6	18·9	
10·4	2·1	8·5	
10·4	6·1	49·4	
9·2	13·1	11·0	
9·2	15·6	31·5	
9·4	17·6	50·5	9·0
10·4	20·6	37·3	
10·0	32·6	38·7	
8·0	43·1	55·8	8·5 G–
9·8	45·1	57·1	
10·4	45·6	20·3	
10·4	53·1	11·5	
9·8	56·6	37·1	
10·4	59·1	26·1	
9·2	50 14·1	19·5	
9·8	15·6	21·7	
10·1	22·1	18·1	
10·4	27·1	26·2	
8·8	29·1	18·5	–
9·9	45·1	35·1	
10·4	47·6	51·0	
8·9	56·6	43·5	
9·1	57·4	59·6	9·5
25pr.	+1 38·9	−0·4	

4741—4800.

mag.	17^{h} m s	−33° ′	
9·8	50 59·6	15·0	
9·8	51 2·6	10·3	
10·4	7·6	56·8	
9·8	9·5	56·5	
9·2	14·0	1·9	
8·8	25·5	38·3	9·5
10·4	40·0	53·0	
8·2	40·0	52·7	8·3 G–
10·4	40·5	55·1	
9·2	42·0	38·8	
7·8	43·0	23·6	8·0 GS=c
10·0	43·0	10·9	
9·2	44·5	45·0	
10·4	47·0	52·8	
10·4	51·0	8·1	
9·8	52 3·5	15·6	
9·4	4·0	10·7	
10·4	5·0	53·7	
10·4	12·0	55·0	
10·4	13·5	37·6	
9·8	15·5	41·6	
9·5	16·5	54·3	9·0 G
10·4	17·0	53·0	
9·9	23·5	49·0	
10·4	25·5	50·5	
10·1	27·0	24·8	
9·8	27·3	57·9	
9·8	28·2	0·5	
9·5	29·2	1·5	
9·5	34·0	6·5	
8·5	41·5	59·9	8·0 G–
10·1	51·5	36·0	
8·9	54·7	2·7	
10·1	53 1·0	24·1	
9·8	3·5	34·0	
10·4	7·0	47·2	
10·1	19·5	13·3	
10·4	23·0	41·7	:
9·6	25·7	2·4	
10·4	27·5	31·0	
10·4	28·0	45·3	
9·9	33·5	33·4	
9·8	34·0	8·1	
10·4	36·5	53·1	
9·0	43·0	48·8	
9·6	44·0	11·6	
10·4	50·5	21·7	
9·9	54 1·0	56·2	
7·9	2·0	45·6	8·0 –
9·8	3·0	33·2	
9·6	4·0	2·1	
9·8	17·0	18·9	
10·4	18·0	56·3	
9·6	22·0	32·9	
7·6	26·5	53·1	8·0 –
9·2	38·0	34·6	
9·6	43·5	33·1	
10·4	48·5	19·9	
10·0	56·0	21·4	
9·8	56·5	12·3	
	+1 38·9	−0·3	

4801—4860.

mag.	17^{h} m s	−33° ′	
9·8	54 57·5	50·0	
8·9	58·0	20·7	–
10·4	55 2·0	37·3	
9·6	3·0	47·8	
10·1	12·0	28·5	
10·1	13·0	50·0	
10·2	14·0	30·6	
10·4	21·5	9·1	
9·6	25·0	36·8	
10·1	30·0	20·1	
8·5	45·5	13·3	8·5 –
10·2	47·0	10·5	
8·9	55·5	1·6	8·5
10·4	56 3·0	40·6	
9·4	9·5	6·9	
9·5	11·5	39·0	
8·7	18·5	32·3	
9·9	25·0	10·7	
9·2	34·0	26·0	
9·9	43·0	1·9	
10·0	45·0	27·1	
9·8	59·5	32·8	
9·6	59·5	33·1	
9·8	57 1·5	30·1	
10·2	2·0	37·6	
10·4	17·0	26·1	
10·4	18·5	31·3	
10·2	23·0	45·8	
9·2	23·0	18·9	–
9·5	31·0	52·4	
9·6	33·5	22·8	
9·9	34·0	46·4	
9·9	37·0	12·8	
10·4	39·0	58·9	
9·8	41·0	16·5	
9·8	42·5	39·7	
9·6	43·0	33·9	
9·0	43·5	58·5	
9·9	50·5	38·5	
9·6	58 3·0	9·0	
10·1	3·5	36·3	
10·4	4·0	18·2	
10·4	6·0	53·3	
10·4	7·5	59·2	
10·4	8·5	15·6	
10·4	11·5	54·5	
10·4	28·0	41·6	
9·9	35·5	26·7	
9·4	51·6	29·0	
10·1	54·6	27·1	
9·8	56·6	50·7	
10·4	59 2·1	39·1	
10·1	7·6	40·0	
10·1	8·1	4·8	
10·4	8·1	53·5	
10·2	9·1	37·3	
10·4	10·6	39·7	
10·4	11·6	53·7	
10·4	13·1	21·3	
9·9	14·3	2·9	
	+1 38·9	− ·1	

4861—4920.

mag.	17^{h}–18^{h} m s	−33° ′	
10·4	59 23·1	41·7	
10·4	24·1	9·0	
9·4	42·6	44·9	
9·6	43·3	1·6	
10·4	43·6	55·5	
9·2	44·1	15·6	
9·2	47·1	45·0	
9·8	55·6	18·4	
9·4	57·1	44·3	
10·4	0 0·3	2·0	
10·4	6·6	20·4	
9·9	10·1	2·9	
9·9	16·6	23·9	
10·1	31·1	55·8	
10·4	42·1	59·0	
9·9	47·1	55·6	
10·4	50·0	56·3	
9·8	51·6	33·5	G
8·4	53·1	34·7	8·5 G≡
9·2	54·1	19·9	9·0 –
10·4	1 0·1	32·8	
8·8	1·1	18·5	9·5
9·9	9·6	19·2	
9·4	12·1	59·2	
8·7	13·1	15·0	7·5 G
10·4	16·6	11·8	
9·8	22·1	40·0	
9·6	28·6	18·0	
10·4	37·1	32·0	
10·2	43·1	21·2	
10·4	46·1	12·1	
10·4	48·1	43·2	
10·4	49·8	59·6	
9·8	53·1	51·2	
10·2	54·6	52·8	
10·4	55·6	50·5	
10·4	56·1	38·7	
10·2	58·1	30·8	
10·4	59·6	56·3	
9·4	2 7·6	10·8	
8·5	9·1	41·3	
10·2	14·1	54·9	
10·2	15·6	52·0	
9·8	24·3	2·3	
10·2	24·6	28·3	
8·2	25·1	56·2	7·0 GS–
9·4	30·6	8·6	
9·8	34·1	46·3	
6·6	39·1	49·2	6·5 GS–
10·2	40·3	0·2	
10·4	41·6	6·7	
10·2	44·1	34·7	
10·4	44·6	19·9	
10·0	47·6	19·0	
8·9	55·3	0·7	9·0
10·4	58·1	15·7	
9·9	3 0·1	24·1	
8·2	9·6	20·7	7·5 G–
10·4	12·1	26·0	
10·2	12·1	42·0	
	+1 38·9	+0·1	

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4921—4980.

mag.	18h. m s	—33° ′	
10·4	3 19·1	44·3	
10·0	19·6	4·9	
10·4	23·6	5·6	
9·8	32·8	2·2	
9·8	33·1	25·8	
10·4	43·1	16·2	
9·8	46·6	22·1	
10·4	48·6	41·8	
10·2	4 10·9	58·9	
10·4	12·6	10·8	
9·2	13·1	51·1	
10·4	16·1	49·1	
10·4	21·6	34·3	
10·4	24·1	11·0	
9·6	35·6	33·3	
10·4	35·6	20·2	
10·2	42·6	28·1	
10·4	46·1	39·0	
10·4	46·6	20·6	
9·4	48·6	34·7	
9·6	55·6	17·8	
10·4	58·1	30·6	
10·2	58·6	42·7	
9·2	5 1·6	34·2	8·0 =
10·4	11·6	45·3	
10·4	12·6	14·0	
10·2	16·1	16·7	
10·4	16·1	31·6	
8·8	19·6	31·1	8·0 G=
9·8	25·3	1·1	
10·1	31·1	11·6	
10·2	40·6	20·4	
9·8	41·1	0·8	
8·0	48·6	15·8	
10·4	53·6	28·8	
10·4	59·1	55·4	
9·5	6 3·1	33·0	
9·9	3·6	38·0	
10·4	11·6	15·8	
9·8	15·6	51·4	
10·0	23·1	41·9	
10·2	27·1	45·5	
8·0	28·6	10·3	8·8 –
10·4	33·6	21·3	
10·2	37·1	29·9	
9·5	39·1	56·1	
9·8	42·1	33·8	
8·6	45·6	37·7	9·0 =
10·4	46·1	13·7	
8·8	47·1	30·5	
10·4	50·1	7·7	
9·6	51·1	49·9	
10·4	56·1	7·0	
10·4	7 2·1	16·9	
9·6	11·6	14·2	
10·2	12·6	17·5	
10·0	14·1	32·9	
10·1	16·6	20·9	
10·1	26·6	46·6	
7·6	27·1	7·5	7·5 GStπ
25pr.	+1 38·9	+0·2	

4981—5040.

mag.	18h. m s	—33° ′	
10·1	7 31·1	34·6	
10·4	32·6	47·7	
10·2	36·1	49·3	
9·6	39·6	55·7	
9·8	41·6	11·7	
9·4	44·1	32·1	
10·2	44·6	8·0	
8·3	46·1	47·5	7·7 G=
10·2	48·6	47·1	
9·4	51·1	8·5	
9·1	52·1	20·7	8·0
10·4	8 4·1	1·1	
10·4	10·1	52·7	
10·0	10·1	16·0	
10·4	16·6	16·4	
8·7	18·1	10·5	8·5
9·6	22·1	10·8	9·0
9·4	23·6	53·9	9·5
9·9	24·6	35·9	
9·8	31·6	3·7	
10·4	57·1	37·8	
10·4	9 2·6	11·5	
10·1	7·1	3·9	
10·1	7·1	18·8	
9·6	13·1	27·0	
9·6	13·1	17·7	–
10·4	14·6	18·3	
9·9	22·1	23·1	
10·4	23·1	32·7	
9·4	33·1	24·1	
9·4	35·6	25·9	
7·7	37·1	26·2	7·5 GS=c
9·9	43·1	25·9	
10·1	58·6	23·5	
10·4	10 1·7	43·9	
8·2	3·6	48·9	8·5
9·8	20·4	38·5	
10·4	21·1	8·3	
10·4	26·1	20·9	
10·4	27·1	30·9	
10·3	38·3	6·2	
9·3†	43·6	59·1	
9·6	48·8	56·0	
10·3	53·3	53·5	
10·3	55·8	0·2	
10·3	57·3	48·5	
10·3	11 2·5	2·9	
10·3	14·7	35·0	
8·3	23·9	4·2	8·5 –
10·3	28·9	44·2	
9·8	57·9	44·2	
9·8	12 32·4	55·2	
10·0	34·4	17·8	
7·6	42·4	23·0	GS=c
9·6	55·9	18·8	
10·2	57·9	27·0	
10·3	13 2·9	11·0	
9·4	2·9	37·0	
8·8	15·9	40·1	9·0
9·0	19·9	35·0	7·5 G=
	+1 38·9	+0·4	

5041—5100.

mag.	18h. m s	—33° ′	
10·0	13 21·4	3·4	
10·3	21·4	10·4	
10·3	24·9	23·0	
: 10·3	59·1	58·0	
8·9	14 2·9	34·9	9·5
10·2	5·9	26·6	
10·3	16·7	57·8	
10·2	23·4	57·1	
10·3	33·1	50·5	
10·3	35·3	45·7	9·0
10·2	15 14·2	2·8	
10·2	19·7	30·2	
10·2	20·7	25·0	
9·3	22·7	4·5	8·5 –
10·3	23·7	46·0	
9·2	44·2	18·3	
10·3	16 1·7	52·1	
10·3	2·2	53·0	
10·2	3·7	25·0	
10·3	9·2	53·1	
10·3	15·7	24·8	
8·0	15·7	20·6	–
10·3	41·7	21·2	
10·0	46·2	45·4	
9·5	47·7	23·6	
9·6	50·2	54·4	
9·8	56·7	34·0	
10·3	17 10·2	56·9	
10·2	14·2	28·2	
8·8	15·2	11·0	9·0
9·3	16·2	14·1	8·5 –
8·9	16·7	6·2	9·0
10·3	20·9	57·7	
9·5	26·7	7·4	
10·3	34·7	23·4	
9·9	49·7	18·4	9·0
9·6	52·7	53·2	
10·3	53·7	52·8	
9·3	18 0·2	15·2	8·5
9·8	16·7	47·0	
8·9	19·7	39·2	
10·2	19·7	0·8	
10·3	22·9	56·3	
10·3	32·7	49·0	
10·3	38·2	20·7	
9·0	48·6	11·0	
9·5	49·6	30·1	
10·3	56·6	30·8	
10·3	19 1·0	58·0	
9·8	12·1	36·8	
7·9	17·6	28·8	GSctπ
10·3	18·1	23·0	
10·3	33·6	11·9	
10·3	41·6	25·5	
10·3	44·1	37·2	
10·0	51·6	20·8	
8·3	58·1	25·2	
9·2	20 2·1	52·6	
9·0	17·1	51·2	
9·8	25·6	40·6	
	+1 38·8	+0·6	

5101—5160.

mag.	18h. m s	—33° ′	
10·2	20 27·6	19·0	
9·3	28·1	42·0	
9·3	35·6	33·8	=
9·0	40·9	58·4	
9·4	45·1	37·0	
9·5	58·6	54·8	
9·8	21 17·6	54·3	
8·8	19·1	23·6	
8·4	28·1	35·0	9·0 G–
10·3	29·6	25·4	
10·2	32·1	7·0	
9·6	42·1	33·2	9·0 G
9·4	46·1	37·5	8·5 Gtπ
7·6	47·1	34·3	8·0 GStπ
7·4	49·1	7·6	8·0 GStπ
9·8	51·3	44·3	
8·2	22 2·3	11·7	–
10·0	13·8	7·7	
10·3	16·8	51·0	
10·3	31·2	57·9	
10·3	33·3	44·8	
10·0	43·3	14·4	
9·6	48·3	16·2	
6·5	53·3	4·2	6·0 GStπ
9·7†	23 2·6	59·8	
9·3	7·8	19·7	9·0
10·3	13·3	8·1	
10·0	20·8	50·8	
10·2	24·3	51·2	
10·2	27·3	17·1	
9·8	35·8	35·1	
9·8	36·8	34·9	
9·8	45·8	18·5	
9·2	58·3	23·4	9·5
10·3	24 10·2	53·4	
7·8	12·5	1·6	8·0 GStπ
9·6	22·3	19·8	
10·3	37·3	28·5	
10·0	39·3	57·4	9·0 G
10·3	44·8	22·0	
9·9	56·3	6·8	
9·3	57·3	30·9	8·5 G–
8·4	25 0·8	4·2	8·8 GW
10·3	6·3	17·4	
9·5	13·3	13·9	
10·3	14·3	18·4	
8·2	18·8	42·6	8·5 –
10·3	23·8	11·3	
10·0	26·8	1·0	
10·3	32·8	50·9	
9·9	39·3	3·6	
9·9	41·9	29·6	
10·0	42·9	54·1	
6·1	46·4	6·4	5·8 GStπ
9·9	46·9	20·5	
7·8	53·9	3·2	7·5 GStπ
9·8	56·4	31·2	
9·8	26 3·9	20·5	
10·2	14·4	24·8	
10·0	20·4	36·1	
	+1 38·8	+0·9	

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5161—5220.

mag.	18h. m s	—33° ′	
10·3	26 39·9	47·2	
10·3	46·4	41·9	
9·8	27 1·4	19·4	
9·6†	11·6	58·0	
neb.	33·6	5·1	
10·2	38·4	32·7	
10·0	39·4	31·1	
9·1	40·9	16·2	–
10·0	52·4	51·5	
9·5	28 0·9	16·8	
10·3	2·9	56·9	
9·0	13·4	48·2	
10·3	44·4	7·2	
10·2	44·4	28·2	
10·2	45·6	34·8	
10·2	47·4	36·2	
9·6	29 1·9	44·0	
9·0	13·9	22·3	
9·6	21·9	47·5	
10·2	35·9	38·9	
9·4†	38·1	58·6	
10·3	44·6	33·1	
10·3	53·4	3·7	
10·0	56·9	29·6	
10·0	30 3·6	22·5	
10·2	15·1	30·0	
9·6	16·6	32·5	
8·4	17·1	34·9	G=tπ
10·3	27·6	7·9	
10·3	27·6	55·0	
10·2	36·6	19·2	
10·3	37·1	0·9	
9·9	46·1	55·6	
10·2	46·4	2·1	
10·2	50·1	21·0	
10·2	31 4·1	33·2	
8·1	18·6	6·2	8·0 GS–c
10·3	20·6	54·5	
9·1†	24·1	57·4	
9·4	29·1	51·6	
9·8	33·6	55·5	
10·2	35·1	46·1	
9·6†	38·1	58·8	
10·3	49·6	55·2	
10·2	57·6	21·7	
9·4	59·1	29·2	
9·0	32 3·0	45·9	9·0
10·0	14·6	45·6	
8·6	15·6	6·6	8·8 G
7·9†	20·1	58·1	7·5 GS–
9·5†	29·1	59·3	
8·8	31·6	19·3	9·0
10·3	36·1	35·2	
10·3	40·6	18·6	
10·3	40·6	0·9	
10·3	42·6	3·9	
9·6†	48·6	58·1	
8·7†	48·6	59·0	8·0 G
10·3	33 4·1	11·0	
10·0	10·6	26·4	
25pr.	+1 38·7	+ 1·1	

5221—5280.

mag.	18h. m s	—33° ′	
10·0	33 16·6	1·4	
8·5	17·6	24·4	–
10·2	39·7	25·7	
10·2	48·7	58·4	
9·6	53·9	16·0	
9·7	56·5	15·3	
9·4	34 0·4	44·9	
10·0	1·7	19·6	
10·4	4·5	0·3	
8·8	7·4	46·6	
10·4	16·0	36·0	
10·4	18·0	43·6	
9·0	23·8	47·4	
8·6	23·9	45·0	–
10·0	36·9	32·5	
8·8	40·9	34·2	
9·9	41·9	53·2	
9·7	44·4	32·4	
10·0	46·4	51·5	
10·4	49·0	55·9	
9·8	50·4	11·2	
8·0	53·9	36·7	8·5 –
10·2	57·9	28·5	
10·4	35 6·9	52·2	
9·6	13·0	26·0	
10·0	18·0	48·2	
9·1	32·5	30·7	
10·3	42·2	1·1	
10·2	47·0	8·1	
9·8	36 4·5	31·1	
9·1	14·0	35·3	9·0 –
10·4	25·3	50·9	
9·6	29·5	6·8	
9·2	36·5	47·9	
8·2	37·0	30·3	8·0 G=
9·1	37·5	5·3	9·5
10·0	39·5	6·8	
10·0	41·5	30·0	9·0
9·9	43·0	7·6	
9·9	43·3	24·3	
8·5	49·0	22·7	9·0
10·4	37 0·9	52·0	
8·6	3·5	25·4	9·0
10·4	26·9	53·1	
9·9	42·0	34·9	
9·4	44·5	6·5	
9·9	49·0	39·1	
9·9	53·0	6·3	G
9·2	38 6·0	23·5	9·0 G
9·4	9·5	16·7	9·5 G–
9·2	15·2	2·8	
9·5	15·5	15·1	
9·6	22·0	13·3	
9·8	22·2	2·2	
9·5	30·0	6·3	
9·4	30·0	5·5	
10·4	32·9	55·3	
10·3	53·0	46·1	
9·2	56·0	28·8	
9·9	39 2·0	58·1	
	+1 38·6	+ 1·3	

5281—5340.

mag.	18h. m s	—33° ′	
9·1	39 2·5	5·8	8·5 G–
9·7	16·5	34·0	
9·4	17·0	42·3	
10·4	30·9	51·2	
9·1	41·1	23·1	
10·4	43·6	56·0	
8·6	40 2·6	6·3	9·0 –
9·2	3·6	54·7	
9·5	25·1	22·3	
9·7	32·1	16·0	
9·7	32·6	46·9	
10·4	35·6	21·2	
9·8	40·6	30·2	
10·3	41·6	15·7	
10·4	44·1	0·8	
9·7	50·8	59·7	
10·4	55·1	0·9	
9·7	41 4·6	26·2	
9·7	5·6	36·2	
9·5	19·6	52·3	
10·4	25·1	2·8	
8·0	27·6	44·0	GS–
10·4	28·1	53·2	
9·9	36·6	35·1	
8·0	56·6	44·1	GS–
8·4	58·6	39·7	=
10·0	42 14·6	34·2	
9·8	18·1	34·0	
9·8	19·1	23·9	
9·9	34·6	21·9	
9·4	44·6	52·8	
10·4	48·4	57·5	
8·8	55·7	1·3	9·0
9·7	43 10·7	40·8	
10·4	16·6	58·0	
10·0	27·7	41·2	
9·5	50·7	40·2	
9·7	52·7	42·1	
9·8	53·2	14·2	
9·9	59·7	20·4	
10·4	44 3·7	38·8	
9·8	12·2	14·7	
9·8	15·0	1·1	
9·9	28·2	48·8	
8·8	54·2	21·5	
9·7	54·2	20·5	
9·8	45 0·7	56·0	
9·2	4·7	39·2	
10·4	8·2	14·0	
10·4	14·2	52·5	
10·0	16·2	16·5	
9·9	16·7	57·4	
9·4	26·2	6·0	
10·0	36·2	14·2	
8·6	42·7	54·1	
9·4	57·2	14·6	
10·4	59·7	57·5	
10·4	46 1·7	9·5	
10·0	23·2	36·7	
10·4	35·4	51·8	
	+1 38·5	+ 1·6	

5341—5400.

mag.	18h. m s	—33° ′	
10·3	46 45·2	43·4	
9·4	50·2	14·5	
9·9	52·7	20·7	
8·8	54·2	55·5	9·5
9·6	56·4	39·4	
9·8	47 17·4	9·0	
9·6	17·9	21·1	
10·3	18·4	58·9	
9·6	20·9	28·6	
9·8	21·2	57·0	
10·4	27·4	40·0	
9·4	36·4	35·8	9·5
8·0	47·4	24·8	7·5 GW–
10·0	54·4	21·9	
7·9	48 7·9	25·5	7·5 GW–
9·4	8·9	0·1	
10·4	18·1	1·5	
9·2	26·4	36·4	G
9·1	34·4	30·7	9·0
10·4	35·4	13·1	
9·1	39·4	0·3	
8·1	44·9	16·9	
7·3	45·4	29·2	7·0 GS–
8·5	45·9	28·4	9·0 GW
9·7	46·9	20·2	
9·7	48·4	8·4	
9·2	48·9	13·8	
9·9	49·9	12·9	
9·4	56·9	34·4	
9·2	57·9	51·0	
9·2	57·9	2·0	
10·4	49 5·9	53·2	
9·7	14·4	12·0	
8·8	14·9	39·3	
9·5	18·4	24·1	
9·7	27·4	13·4	
9·2	39·4	5·2	
9·0	47·4	22·5	
9·7	50·4	45·1	
10·0	57·4	44·1	
9·9	58·4	54·6	
10·4	50 3·4	46·5	
9·9	9·0	50·6	
9·6	10·0	6·4	
8·4	18·9	1·5	8·0 G–
10·0	23·0	21·7	
10·3	25·5	22·9	
9·6	36·0	10·4	
10·3	54·5	13·3	
9·7	56·0	24·3	
9·6	56·2	2·0	
10·3	58·0	2·4	
10·3	58·0	3·1	
10·0	58·5	3·6	
10·4	58·7	16·0	
10·3	58·9	2·3	
9·4	51 1·0	23·6	
9·6	1·5	59·8	
10·0	4·0	27·9	
8·6	4·5	38·9	
	+1 38·4	+ 1·8	

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5401—5460.

	18h.		−33°	
mag.	m	s	′	
9.7	51	6.0	7.1	
9.7		6.2	0.8	
10.0		18.0	12.7	
9.9		18.5	39.2	
8.6		27.5	16.3	
9.7		37.5	11.1	
10.4		38.8	57.9	
10.0		46.0	27.8	
10.4		54.3	58.3	
9.8	52	3.5	24.6	
10.3		3.5	44.9	
10.4		5.0	35.2	
8.5		7.5	46.7	S
8.6		8.7	2.7	
9.8		13.0	56.6	
10.0		13.7	20.0	
10.0		18.0	33.2	
9.9		20.0	32.9	
9.9		23.5	7.5	
10.0		31.5	4.9	
7.8		49.5	24.1	GS
10.4	53	0.0	14.9	
9.9		10.0	26.9	
10.4		10.7	52.7	
8.8		22.9	1.4	
9.9		25.5	0.1	
10.4		28.7	38.4	
10.2		59.6	0.3	
10.0	54	8.2	47.1	
9.7		18.2	19.2	
9.5		23.2	37.7	
9.4		25.6	59.6	
10.4		26.8	22.6	
10.4		45.9	55.0	
10.4	55	1.9	27.3	
9.7		8.8	8.2	
10.3		25.2	37.1	
10.3		30.2	37.0	
9.8		35.2	21.3	
10.4		39.4	57.8	
9.6		56.7	50.8	
9.5		56.7	32.1	
10.0	56	0.7	32.2	
10.4		9.1	1.9	
9.7		16.7	45.1	
10.0		24.7	23.8	
9.8		25.7	24.9	
9.1		29.7	35.2	
10.0		31.7	12.5	
10.4		35.2	10.7	
9.8		38.7	19.5	
10.4		43.2	2.5	
8.8		44.7	21.0	
9.8		56.7	15.2	
9.9		59.7	3.0	
9.4	57	4.2	12.6	
8.6		8.7	12.1	G
9.0		15.7	42.7	
8.0		26.7	58.2	8.0 GS−
10.4		53.8	15.0	
25pr.	+1	38.3	+2.0	

5461—5520.

	18h.–19h.		−33°	
mag.	m	s	′	
9.2	57	54.1	27.5	
10.4		56.9	51.4	
8.8		58.9	11.7	8.5 G
10.3	58	1.3	31.7	
10.3		2.5	44.4	
8.9		23.5	40.5	9.5
10.3		35.7	54.5	
10.3		42.8	52.2	
10.3		45.5	26.7	
10.3		50.5	55.1	
10.3	59	0.3	55.8	
10.0		4.5	1.3	
10.3		11.0	4.8	
10.2		13.5	5.1	
9.4		13.5	42.3	
9.5		20.7	57.3	
10.3		33.5	20.9	
10.3		34.0	30.8	
9.1		36.5	10.5	9.5
10.3		46.5	30.3	
10.0		50.0	52.1	
9.8		53.5	31.1	
9.1	0	7.3	39.6	
10.0		22.3	16.2	
8.7		23.8	52.0	
10.0		27.8	21.9	
8.0		32.6	59.2	7.6 GS−
10.3		32.7	54.9	
8.7		38.8	32.8	
8.8		56.3	4.7	
9.2	1	16.3	19.6	
10.3		41.8	9.4	
8.8		48.5	1.5	
10.0	2	4.3	17.2	
9.6		7.3	46.1	
10.2		12.3	32.8	
10.3		12.8	26.1	
10.2		17.3	5.8	
9.1		22.8	7.8	
9.9		35.3	46.2	
8.8		52.8	39.2	
9.4	3	4.8	44.1	
10.0		5.8	12.5	
9.2		9.1	57.1	
8.7		29.1	56.9	
9.9		30.8	54.8	
8.4		36.3	33.8	GS
10.0		37.8	42.9	
10.2		41.8	11.3	
9.7		42.8	48.6	
9.6		53.3	30.8	
9.8		56.3	34.2	
9.2		59.3	4.4	
9.4	4	4.8	47.8	
9.8		5.8	27.0	
10.2		10.3	8.0	
8.0		16.6	16.1	
9.8		33.1	50.7	
9.7		46.1	31.9	
10.2		46.1	26.1	
	+1	38.2	+2.2	

5521—5580.

	19h.		−33°	
mag.	m	s	′	
10.3	4	48.5	53.0	
10.3		50.5	57.2	
9.6		52.1	25.7	9.5
10.3		53.1	53.7	
8.9	5	7.1	28.4	9.5
9.9		19.1	28.6	
9.4		22.1	21.1	
10.2		34.1	13.1	
9.5		46.1	26.2	
8.8		51.6	38.7	8.5 G
10.3		52.6	8.1	
9.2		57.1	39.5	9.5
9.8	6	7.1	45.6	
9.9		10.1	32.4	
9.9		13.6	40.1	
8.9		21.6	55.8	8.0 G
10.2		22.1	18.7	
10.2		22.1	41.2	
9.9		27.6	33.1	
10.0		30.1	30.4	
10.2		35.6	40.9	
10.1†		38.8	59.0	
9.6		40.1	14.4	
10.3		44.6	26.2	
9.4		47.1	21.3	
10.3	7	6.1	38.1	
10.3		28.1	38.4	
7.4		36.6	44.7	7.5 GS−
8.0		39.6	47.7	8.5 GW−
10.0		53.6	21.1	
8.4	8	16.6	16.8	
8.0		23.1	31.0	8.5 −
10.2		23.6	44.4	7.0 GS
10.0		27.6	28.3	
9.4		40.1	42.2	
9.5		56.7	56.6	
9.4		57.1	33.8	
10.0	9	2.6	4.0	
9.9		7.1	44.5	
10.2		21.6	19.7	
10.2		21.6	43.0	
10.0		25.1	37.1	
10.3		29.9	36.2	
9.2		35.9	54.8	
10.3		41.9	14.2	
9.9		43.9	24.8	
10.0		44.4	17.9	
10.3		47.9	4.9	
10.3		57.4	28.1	
10.3		57.9	9.4	
9.9	10	2.4	37.9	
7.7		12.9	22.3	7.5 GS−
10.2		15.9	22.0	
10.3		25.9	10.4	
9.2		25.9	22.7	9.0 G
8.7		32.9	43.5	
9.8		45.4	44.1	
9.8		46.9	52.9	
7.7		50.9	29.7	7.5 GW−
9.5		56.4	51.1	
	+1	38.0	+2.4	

5581—5640.

	19h.		−33°	
mag.	m	s	′	
8.2	10	57.4	22.9	GW−
10.0	11	2.4	6.7	
10.2		2.9	56.8	
10.2		3.9	56.3	
10.0		12.4	4.3	
9.9		13.4	8.7	
9.2		37.4	23.9	
10.3		39.9	21.3	
9.7		52.4	21.1	
10.3		55.9	46.4	
9.0		58.9	4.1	
7.8	12	2.9	41.3	8.0 S
10.2		4.9	18.3	
9.1		17.4	31.1	9.0
9.5		36.9	3.9	
8.0		46.4	16.7	7.8 G
8.8		53.9	34.9	
9.2		59.4	15.9	9.2
9.4	13	12.9	33.3	
9.9		14.9	5.1	
10.0		25.9	15.4	
9.9		31.4	53.8	
10.2		33.9	13.8	
10.3		51.4	59.3	
9.9	14	4.4	14.4	
9.1		5.9	44.1	
9.9		13.4	34.7	
10.0		25.9	30.0	
9.8		35.9	52.2	
10.2		40.4	6.0	
7.9		45.9	8.4	8.0 G
10.3		49.9	11.7	
9.6		54.9	16.3	
10.2		55.9	58.7	
9.4		56.4	1.6	
9.9	15	12.9	35.5	
10.0		12.9	27.7	
9.4		24.4	4.0	
10.3		29.9	21.1	
9.1		45.4	52.1	9.5 G
9.1		45.9	35.2	
7.5		52.9	46.8	8.0 GS−
10.3	16	1.9	6.5	
9.1		28.9	7.7	9.5
9.9		31.9	31.8	
9.1		31.9	7.7	9.0
9.9	17	1.4	28.4	
9.8		21.4	18.1	
9.4		53.9	55.1	
10.0		55.9	46.1	
10.3		58.4	50.9	
10.3	18	2.9	16.4	
7.9		15.9	7.7	
10.0		16.9	25.4	
9.7		30.4	6.2	
10.3		31.9	5.6	
10.3		45.9	36.1	
9.9		53.4	39.0	
10.0		53.9	23.9	
9.8	19	9.4	45.3	
	+1	37.7	+2.7	

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5641—5700.

mag.	19h. m	s	−33° ′	
9.9	19	27.4	56.7	
10.3		32.9	30.1	
10.0		37.9	5.9	
9.9		37.9	41.3	
10.0		44.4	25.1	
10.2	20	11.4	6.7	
9.8		21.9	11.4	
10.3		39.4	5.1	
10.3		46.6	50.1	
10.2		47.4	27.1	
10.2	21	3.4	13.7	
9.2		6.9	36.5	
10.2		7.9	13.2	
10.3		32.9	53.4	
10.0		42.4	48.5	
10.3		45.9	2.4	
9.8		51.9	5.8	
10.0	22	20.9	5.4	
10.3		29.9	1.7	
10.3		31.9	15.2	
9.8		36.4	6.4	
9.7-		36.6	22.1	
10.4		41.9	17.1	
9.0	23	24.9	40.3	
10.0	24	3.9	17.5	
8.8		3.9	17.9	9.2
8.6		8.9	26.3	
9.1		16.9	1.2	G
8.4		27.6	9.9	9.0 G
9.6		38.1	0.6	
9.0	25	18.6	3.1	9.0 G
8.4		54.1	24.9	8.8 –
10.4	26	8.1	7.1	
9.2		12.6	21.1	
8.4		47.1	3.7	8.2 G
9.6		52.6	33.3	
9.0	27	2.6	46.3	9.5
8.6		34.1	22.7	9.0 –
8.6		40.1	5.7	8.0 G
9.8		45.1	38.5	
10.0		47.1	24.5	
10.2		54.1	26.1	
9.4	28	18.1	23.5	
10.2		19.1	26.3	
10.4		27.9	1.6	
10.2		35.1	4.1	
9.8		45.6	19.3	
10.4	29	13.1	56.8	
9.6		19.1	40.5	
9.4		34.1	7.0	
9.6		48.1	10.3	
7.6		56.6	11.3	7.0 GS
9.6	30	4.1	0.7	
9.4		32.1	48.1	
8.8		54.1	29.4	
9.6	31	8.6	32.7	
9.8		38.1	43.1	9.5
10.4		39.6	2.9	
9.6	32	14.1	24.3	
10.4		20.6	16.8	
25pr.	+1	37.4	+3.0	

5701—5760.

mag.	19h. m	s	−33° ′	
10.4	32	37.1	42.0	9.5 G
10.4		45.1	32.5	
9.0		46.1	40.9	9.5 G
9.1		49.1	32.7	
9.0	33	1.1	20.3	
9.6		7.1	8.9	
8.1		11.6	9.3	
8.8		36.6	45.1	9.0 –
10.2		40.4	57.8	
8.8	34	21.1	19.2	
9.8		36.9	16.3	
9.8	35	3.9	12.4	
9.8		12.4	32.0	
8.2		15.9	56.2	7.8 GWtπ
10.0		17.9	6.5	
10.2		19.9	26.9	
10.4		26.9	9.7	
10.2		30.9	53.9	
8.6	36	23.9	31.7	9.3
9.8		28.9	19.6	
9.6		52.9	33.0	9.0
10.4	37	16.9	23.5	
10.0	39	11.4	5.4	
9.4		20.9	6.5	10.0
9.6	40	5.4	53.4	
9.6		10.4	4.3	
9.6		44.9	21.3	
9.8		54.9	29.7	
9.8		55.4	38.1	
9.8		56.9	15.0	
8.5	41	13.9	16.6	8.0 G
8.6		19.4	10.6	9.0
9.6		26.4	44.1	
9.8		32.9	32.1	
8.0		42.9	4.2	8.0 G
10.4	42	3.9	25.3	
9.8†		14.5	57.4	
9.6		14.9	51.0	
9.4		33.9	2.4	9.5
9.6	43	2.9	1.5	9.0
10.0		9.4	52.4	
9.6		9.9	20.7	
10.0		56.9	20.4	
9.6	44	7.4	36.1	
9.6		40.4	3.5	
8.2		42.9	5.0	8.2 G
9.4	45	4.7	37.5	
9.6†		18.2	57.6	
10.2		42.1	24.0	
10.0		47.0	45.6	
9.8-		59.4	6.2	
9.5	46	40.0	36.4	9.0
7.2	47	4.2	22.2	6.8 GStπ
10.0	48	3.5	44.7	
9.5		34.0	50.9	
9.6		58.0	56.2	
10.4	49	3.5	27.2	
10.2		23.5	31.4	
9.8		55.5	13.3	
10.2	50	8.0	29.9	
	+1	36.8	+3.6	

5761—5820.

mag.	19h.–20h. m	s	−33° ′	
8.6	50	38.0	5.8	
9.4		39.0	34.7	9.5
9.6		49.5	44.7	–
8.0	51	27.5	2.2	8.3 G
10.0		30.5	22.3	
9.1		37.0	52.5	9.0
9.0	52	21.5	0.4	
9.1		25.5	21.6	
9.4		32.0	58.3	9.5 G
9.8		49.0	5.3	
8.6		55.5	50.4	9.5
9.8		57.0	11.4	
8.7	53	1.5	10.5	8.5
9.6		19.5	17.7	9.0
10.4		38.9	59.9	
9.8		46.0	37.7	
8.0		49.5	17.0	8.5
9.1	54	20.0	21.1	
10.4		31.0	9.0	
10.0		45.5	31.8	
10.4	55	32.0	1.6	
9.8		37.5	36.0	
9.6	56	56.9	45.6	
9.0	57	1.2	56.6	8.8 –
10.4		25.7	33.4	
7.1		33.9	21.0	7.0 GStπ
9.2		43.4	3.9	9.5
9.6		45.4	3.0	
10.0		53.9	2.9	
10.0		53.9	10.9	
10.4	58	18.9	39.8	
10.4		32.9	40.6	
9.4		45.4	32.2	
10.4		58.4	13.0	
10.4	59	14.4	16.6	
10.4		32.4	39.8	
8.4		39.9	41.4	8.0 –
9.2		48.9	12.6	
9.8	0	21.9	13.1	
9.1		34.4	39.5	
10.4		34.9	57.8	
10.4		58.4	50.3	
9.1	1	0.9	22.3	
7.8		15.9	43.5	8.5 –
9.4		22.9	4.8	8.8
9.8		31.9	30.8	
10.0		35.9	46.5	
9.4	2	3.4	47.6	9.2
8.4		32.9	54.6	8.0 G–
9.5		54.2	58.8	9.5 G
10.2	3	2.4	40.1	
9.4		5.4	7.0	
9.4		9.4	48.9	
9.6		9.9	6.6	
10.4	4	1.4	4.0	
9.6		33.9	42.8	
10.4	5	2.9	3.0	
8.8		4.4	6.8	8.7
9.8		18.9	36.6	
8.7		30.9	39.5	9.0 G
	+1	36.1	+4.1	

5821—5880.

mag.	20h. m	s	−33° ′	
10.0	5	57.9	50.8	
9.8	7	15.7	47.8	
10.1†		30.5	59.2	
8.5	8	5.4	38.0	9.0 –
10.2		25.7	46.9	
9.8	9	1.4	21.6	
9.2		22.3	13.5	
9.5-		32.4	6.7	
10.0		54.6	18.3	
9.4	10	16.8	21.0	
9.9		23.9	56.6	
10.1†		36.0	58.4	
9.6		41.5	52.9	
9.9		46.1	9.3	
9.8		52.9	49.8	
9.4	11	1.1	25.5	
7.6		16.1	7.1	7.5 GS
9.6		27.1	32.5	9.5
9.3		49.1	37.3	
8.2		52.1	15.6	8.8
7.5	12	4.9	0.4	7.5 GS
8.4		26.1	20.9	8.5 GS–
10.0		36.1	42.3	
9.9	13	2.6	14.3	
7.8		18.1	7.9	7.8 GS
9.0		22.1	27.3	9.5
9.9		35.6	18.0	
10.0		36.3	44.0	
9.9		41.6	33.6	
9.3		57.6	25.6	
8.6	14	26.1	6.4	9.3
9.9		30.6	24.0	
8.2	15	9.6	39.2	8.5 G–
8.6		11.6	26.8	W–
9.9		22.6	32.6	
8.8		37.1	6.4	
9.6		46.1	31.0	
10.0		49.6	7.8	
9.9		52.6	2.0	
10.0	16	13.6	9.0	
9.3		26.6	28.3	
8.8		27.1	6.2	
8.8		41.6	25.8	9.5 G
9.6		53.1	18.7	
9.0	17	6.6	31.3	
9.0		23.1	46.0	9.0 G
9.0	18	32.6	42.7	8.5 GW
9.6		44.1	23.6	
9.9		49.6	17.4	
9.0	19	33.1	56.7	9.5
9.9		34.1	43.6	
9.6		47.6	20.0	
9.4		56.1	18.0	
9.6	20	16.1	42.5	
10.0		23.1	29.1	
9.4		43.6	14.0	
10.1†		43.9	57.6	
10.0		47.1	20.1	
9.4		59.6	37.9	9.2
8.6	21	9.1	33.0	8.8 G–
	+1	35.3	+4.6	

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5881—5940.

mag.	20h. m s	—33° '	
9·1	21 13·1	52·0	
7·8	49·6	26·2	8·7 G—
9·1	22 0·1	44·9	9·0
9·0	36·1	34·2	8·8
10·1†	44·4	59·8	
10·1†	47·4	58·1	
9·0	23 36·1	1·7	9·2
10·0	24 0·6	38·4	
9·0	26·6	26·3	9·5
8·3	31·6	27·2	9·0 —
9·8	25 17·0	50·2	
9·8	23·5	8·7	
9·3	53·5	38·7	
9·6	56·4	0·5	
9·8	57·0	8·0	
9·4	26 52·5	13·1	
9·1	27 24·5	39·6	
9·8	29·0	55·1	9·5
9·6	28 34·2	2·6	
9·4	46·0	33·8	
9·9	54·7	0·3	
9·6	29 7·5	30·3	
9·9	10·5	49·6	
9·9	13·0	5·6	
10·0	18·0	56·4	
9·3	28·5	38·0	
9·3	55·0	8·8	
9·1	57·5	49·3	9·5 G
9·8	30 2·5	12·8	
7·8	3·5	52·5	8·2 GW—
9·9	14·5	32·0	
9·9	22·5	50·7	
9·6	41·5	8·9	
9·8	31 11·0	33·1	
9·8	15·5	13·6	
9·6	17·5	29·9	
8·3	19·0	36·7	8·0 GW
9·9	25·5	17·6	
9·6	45·0	39·1	
10·0	58·0	34·9	
9·6	32 13·5	45·7	
7·0	28·5	52·4	6·0 GS=
8·2	37·5	17·5	8·5
9·4	41·7	3·0	
9·9	44·4	0·2	
9·6	54·5	28·7	
9·0	33 15·7	53·0	9·5
10·4	23·9	5·0	
10·0	26·4	23·8	
10·2	31·7	41·1	
9·0	46·9	21·7	
10·4	34 16·4	36·0	
8·6	33·2	54·8	9·5 G
8·6	37·7	46·4	
10·3	35 12·4	24·9	
10·2	32·9	6·9	
9·2	55·9	23·1	
9·8	56·9	14·8	
9·2	36 4·9	13·3	
9·9	17·4	7·1	
25pr.	+1 34·3	+5·1	

5941—6000.

mag.	20h. m s	—33° '	
10·8	36 37·4	4·6	
8·6	37·4	56·3	
10·0	54·9	36·3	
10·3	37 5·9	18·7	
10·2	38·4	24·0	
10·3	47·4	11·4	
9·0	38 3·9	9·6	
10·8	28·9	40·2	
10·2	54·9	11·9	
9·9	58·9	51·7	
10·3	59·4	34·7	
10·0	39 26·9	36·0	
10·6	42·9	41·4	
8·0	42·9	25·8	9·0 G
10·2	59·4	30·7	
9·6	40 1·9	1·0	
10·0	2·9	21·8	
8·0	3·4	57·7	9·5
9·8	3·9	51·1	
10·3	39·9	46·7	
10·8	47·4	57·0	
9·8	59·9	34·9	8·5 GW
10·8	59·9	53·0	
8·5	41 16·9	28·4	8·0 G—
10·8	32·9	8·1	
10·8	46·9	52·8	
9·6	58·9	25·4	
9·0	42 16·9	42·4	
8·0	21·9	28·5	9·0 G—
9·4	25·9	42·0	
9·6	28·9	26·6	9·2 G
9·6	43 12·9	23·8	
9·9	21·9	55·0	
10·8	53·4	56·2	
9·2	56·9	43·9	
10·2	44 2·9	8·9	
9·6	4·9	4·8	—
6·4	12·9	38·5	6·0 GSπ
9·8	12·9	34·2	
9·9	13·4	15·2	
10·8	35·9	8·7	
10·8	52·4	53·9	
10·8	54·2	2·1	
8·8	45 11·4	13·5	
10·8	13·9	44·5	
10·0	54·4	23·2	
9·2	54·9	12·4	
9·4	46 3·9	22·9	
10·8	18·9	27·3	
9·0	26·9	19·3	9·5 —
10·8	33·9	2·1	
9·6	36·3	10·9	—
9·8	37·3	13·1	
10·8	44·3	52·2	
9·2	47 10·8	17·9	
10·8	48·3	47·6	
9·8	48 3·3	48·3	
10·8	9·8	40·2	
9·0	34·3	15·0	8·5 —
8·9	37·3	46·7	
	+1 33·7	+5·4	

6001—6060.

mag.	20h.–21h. m s	—33° '	
10·8	49 18·3	25·6	
10·8	31·5	52·6	
9·2	50 0·3	16·7	
9·9	51 6·3	10·0	
10·8	7·4	58·5	
9·6	22·3	29·3	
9·6	25·8	52·5	
10·3	26·3	53·7	
10·8	33·3	44·8	
10·3	43·3	19·9	
10·3	46·3	2·1	
10·8	52 9·8	44·0	
10·0	46·3	30·5	
9·2	56·3	44·3	
8·5	53 12·3	26·6	8·5 G—
8·6	23·3	10·3	—
6·9	44·3	22·8	7·0 GS=
9·8	56·3	0·6	
8·0	54 9·2	58·4	8·8 G
9·8	39·8	59·3	G
10·4	43·3	50·3	
9·8	55 0·8	23·6	
9·9	6·8	50·5	
8·0	16·8	4·7	8·5 G—
9·9	17·8	43·8	
10·4	56 2·8	20·9	
8·6	9·9	0·4	8·7 G
9·9	17·3	46·5	
10·8	27·3	35·1	
9·2	27·8	35·8	
10·2	30·3	8·3	
10·4	34·3	6·2	
10·2	38·8	49·2	
10·3	42·6	29·6	
9·0	52·6	8·8	9·5
9·8	57 3·3	29·9	
7·8	24·8	19·1	8·0 G—
9·6	58 2·0	4·6	
8·6	5·0	58·7	9·0 G
9·4	6·8	55·4	9·0 G
8·8	16·8	20·6	=
10·2	59 26·0	0·6	
10·0	38·9	2·7	
10·2	0 6·0	23·5	
9·9	12·0	32·0	9·5
10·6	1 4·5	53·0	
9·4	10·0	45·8	
9·9	15·5	11·2	
9·8	22·0	28·8	
9·9	27·0	49·3	
10·6	43·0	9·0	
9·4	47·0	41·0	
10·6	2 10·0	50·9	
9·5	23·0	28·2	
9·2	33·5	51·4	10·0
10·6	41·5	45·8	
7·5	42·0	21·2	7·5 GS=
10·0	3 3·0	31·0	
10·2	9·0	6·3	
10·0	4 16·0	29·1	
	+1 32·7	+5·8	

6061—6120.

mag.	21h. m s	—33° '	
9·8	4 46·0	59·4	
8·7	5 2·0	37·9	
10·0	3·0	5·9	
10·0	5·0	58·3	
10·6	7·0	52·9	
9·9	10·0	31·9	
10·0	26·0	8·8	
9·4	30·0	28·8	9·5 G
9·8	6 6·0	13·8	
9·6	10·0	18·7	
8·8	12·0	18·1	10·0
10·6	16·0	8·3	
9·8	32·0	3·0	
8·7	33·0	10·0	9·0 G—
10·6	36·0	0·3	
8·0	46·0	3·2	8·0 G—
9·9	59·5	26·1	
8·7	7 2·0	25·5	
10·6	24·0	18·0	
8·1	38·0	42·1	9·0 —
9·6	42·5	47·6	
8·4	46·0	32·1	9·5
10·0	47·0	55·2	
10·6	58·5	34·0	
9·4	8 6·5	32·0	
9·9	7·0	37·6	
8·2	24·0	14·4	9·0 —
9·9	41·0	43·5	
9·4	9 12·0	32·9	
9·8	23·0	56·6	
9·8	48·0	26·1	
9·2	57·0	52·8	
9·8	10 17·0	43·8	
9·4	24·0	31·4	
8·0	27·0	23·0	9·0 =
9·8	33·0	12·4	
9·8	51·5	14·6	
10·2	52·0	42·2	
10·6	53·0	50·5	
8·1	11 7·0	35·5	8·8 G
9·0	16·0	34·1	9·0 G
10·0	22·0	35·4	
9·8	12 24·0	6·3	
9·9	32·0	5·3	
8·2	42·5	2·4	7·8 G—
10·6	13 6·0	56·1	
9·2	6·0	19·8	
10·2	11·0	48·8	
9·9	16·5	46·2	
8·8	44·0	3·7	9·5
9·9	14 0·5	52·6	
9·9	4·5	49·0	
9·9	8·5	21·0	
10·6	52·5	42·9	
9·8	58·5	26·2	
10·6	15 13·5	32·8	
10·0	22·5	45·7	
9·8	24·0	1·3	
10·6	50·5	24·3	
8·4	55·5	19·1	9·0 —
	+1 31·7	+6·2	

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6121—6180.

mag.	21^h m	s	−33° ′	
10·2	16	2·0	46·5	
10·0		16·0	41·9	
9·9		18·5	49·7	
10·6		37·5	22·8	
10·2		46·0	39·9	
10·6		55·0	42·8	10·0
10·0	17	1·0	34·3	
9·8		3·0	32·8	
10·0		20·0	54·9	
10·2		56·5	50·3	
9·8	18	4·2	39·8	
9·9	19	14·2	40·5	
10·2		35·7	17·2	
10·2		51·9	59·2	
8·2	20	0·7	24·8	8·0 G–
8·8		2·5	2·6	–
9·0		13·2	58·8	
10·6		18·3	0·8	
9·5		23·2	32·4	
10·0		57·7	40·0	
9·8	21	5·2	50·4	
10·0		30·7	20·2	
9·6		54·2	36·4	
10·6		56·2	39·6	
10·2		59·7	9·4	
10·6	22	1·2	21·0	
9·9		12·2	34·8	
9·8		22·3	1·4	
9·6		36·8	59·2	8·8 G
10·0		42·7	44·4	
9·8		52·2	36·6	
9·6	23	7·2	25·2	
10·6		9·8	10·5	
10·6		18·5	54·3	
9·4		26·0	57·0	9·0 G
9·7	24	3·4	49·8	
9·4		18·4	5·9	
9·0		26·4	49·6	9·0
9·4	27	15·4	10·6	9·0 –
10·0		29·6	50·4	
9·0	28	17·4	1·1	9·5
8·8	29	7·6	39·2	8·5 –
6·7		18·1	36·3	6·0 GSπβ
9·0		25·6	48·3	9·5 G
10·0		49·2	59·3	
9·4		54·6	2·5	
9·4	30	20·1	12·3	
10·0		29·1	18·0	
9·4	31	12·1	55·0	9·0
8·6	32	13·1	19·2	8·5 –
8·9		34·6	45·1	G
9·0	33	28·6	28·8	9·5
8·7	34	3·6	9·3	9·0
7·6		12·6	5·8	6·8 GS–
10·0		38·1	17·7	
7·8		46·6	4·4	7·0 GS–
8·6	35	18·6	12·8	9·2 G
8·8		33·6	49·6	9·0 G–
8·6		36·6	12·2	9·2
8·6		52·6	20·3	8·5 G–
25pr.	+1	30·8	+6·5	

6181—6240.

mag.	21^h–22^h m	s	−33° ′	
9·4	36	8·6	3·5	
9·0		55·6	21·0	
8·6	37	23·6	15·8	8·5
5·0		30·6	35·7	4·8 GSπβ
8·6	38	46·6	26·9	9·0
7·9		58·1	17·3	7·0 GS=
9·4	39	20·6	2·4	
9·2		49·6	31·1	8·5 G–
9·4	40	47·6	16·3	9·5 G
9·2	41	1·1	29·9	
9·6		16·6	16·0	
10·0		46·6	53·4	
10·0	42	25·6	55·6	
8·9		47·6	10·0	G–
9·4		56·6	30·4	
9·4	43	32·6	9·6	
9·2		58·3	43·4	
8·0	44	7·8	7·0	8·2 G–
9·4		36·8	11·0	9·0 G
9·4		53·8	12·0	9·5 –
9·4	45	16·8	10·0	
9·4		32·6	48·1	8·8 G
9·2	47	25·0	26·8	8·5 G–
8·4		58·0	35·8	7·0 G–
8·8	48	31·5	4·7	9·2 G–
9·4		36·5	47·2	
8·7		51·5	36·5	9·0
9·8	49	20·3	50·8	10·0
8·3		50·8	3·2	8·2 –
8·8	50	21·5	10·2	8·0 G–
9·9	52	24·0	46·1	G
9·3	54	36·5	37·7	
10·0	56	18·3	54·1	
9·6		34·0	20·1	
9·4		40·0	8·8	G
9·0	57	29·0	9·5	9·0 G–
9·3		44·5	33·9	
9·4	58	14·5	53·1	
9·9	0	1·0	22·1	
10·0		43·5	48·1	
5·3	1	5·0	35·8	5·0 GSπβ
8·0		7·0	33·3	8·0 G–
6·3		25·0	44·2	6·5 GStπ
8·3		38·0	6·2	8·0 G–
9·9	2	41·0	9·8	
8·6		43·0	12·2	8·5 G
6·0		49·5	9·7	5·5 GSπβ
9·6		50·0	14·0	
9·6	3	44·5	48·0	G
9·6	4	37·0	20·5	G
8·6		55·0	9·1	8·0
8·6	5	0·4	1·7	9·0 –
10·0		8·0	2·2	
9·4		28·0	33·2	
10·0		49·0	52·2	
9·9	6	7·0	36·3	
10·0	7	4·0	23·9	
9·2		34·0	45·7	
9·4	8	14·0	48·9	G
8·8		37·0	19·5	9·0
	+1	28·6	[illegible] 1	

6241—6300.

mag.	22^h m	s	−33° ′	
10·0	8	48·0	13·9	
9·2	9	7·2	30·2	9·5
9·9		8·0	7·6	–
9·9		29·2	33·2	
8·2	10	13·7	25·6	9·0
8·2		41·5	5·9	8·5 –
8·2	11	20·0	58·0	8·0 G
8·7		37·0	21·5	9·5 –
10·2		50·5	49·0	
9·6	12	20·0	17·6	
10·3		34·5	37·3	
9·0		37·5	4·7	9·0 –
9·4		43·5	40·4	G
9·5	14	18·0	18·5	9·0 –
9·6		22·0	6·8	
8·4	15	24·5	31·4	8·5 G–
10·2	17	23·5	55·5	
7·8		28·0	53·9	8·0 G–
9·6		49·0	11·9	
8·8	19	57·5	11·2	G
9·5	20	28·0	49·3	
10·3	22	34·0	54·0	
10·0	24	20·0	1·6	
10·2†	25	9·8	57·0	
9·6		53·5	28·2	
8·7	26	53·0	18·3	
9·4		55·5	30·3	
10·3	27	22·5	3·4	
10·2		52·0	24·0	
9·0		55·0	33·8	9·0 G
9·0	28	27·5	24·8	9·0
9·0		39·0	5·3	–
9·1	29	2·5	32·0	9·5
9·4		23·0	28·7	9·0
10·0	30	3·0	52·8	
8·6		11·0	9·3	9·0 G–
10·3		15·0	4·2	G
10·2	31	12·0	18·4	G
6·6		47·5	43·8	6·0 GS–
9·4	32	48·0	33·6	
8·2	33	19·5	17·4	8·0 G=
9·0		41·0	9·1	9·2 –
10·3	35	14·2	6·4	
10·0	37	1·7	46·1	
8·4	39	12·7	27·3	8·0 G–
10·5		43·3	35·0	
7·0		53·2	50·3	7·0 GS–
7·5	40	7·2	19·9	7·5 GS–
10·6†		53·0	41·6	G
9·8		54·2	26·6	
8·2	42	13·2	24·8	8·5 –
8·4		29·7	13·3	–
6·4	43	1·2	27·9	6·5 GStπ
9·7		18·7	29·1	
8·4		34·2	5·3	9·2 –
9·2		55·7	9·1	8·8 –
9·4	44	17·7	37·9	
9·2		27·7	30·5	
4·5	45	34·7	32·3	4·8 GSπβ
9·7	46	8·4	6·2	9·5 –
	+1	25·5	+7·7	

6301—6360.

mag.	22^h–23^h m	s	−33° ′	
5·8	49	1·9	12·2	4·5 GSπβ
9·6	50	45·0	52·1	10·0
7·6		49·9	51·8	8·0 –
10·0	51	22·9	56·0	9·0
9·6	53	14·0	47·6	
8·2		47·4	13·6	–
9·0	56	22·9	16·4	–
8·4	57	23·4	42·9	8·2 –
10·8		35·1	36·7	
7·8		47·6	29·4	7·8 G–
11·2	58	22·6	42·3	
9·0		43·6	18·9	–
8·8		55·1	43·3	9·2
9·2	2	15·6	28·1	9·5
9·6	7	20·6	43·7	
11·2	8	0·1	43·2	
8·0	9	13·1	49·6	9·0
10·2		16·6	34·0	
11·2		26·6	2·0	
10·2	10	21·6	11·8	
9·4		23·6	10·0	–
9·8		51·6	7·7	
11·4		57·0	44·8	
9·0	11	18·6	5·1	8·8 G–
11·4	12	0·1	43·0	
6·2		4·1	12·7	4·8 GStπ
7·9		43·6	42·7	8·5
9·2		55·1	54·4	
10·2	13	8·2	57·3	
10·2		11·1	16·2	
10·4		16·6	5·2	
9·2		33·8	17·5	G–
9·1		36·8	47·9	9·0 G
10·0		56·8	5·0	
11·4	14	18·3	56·0	
11·4	16	4·6	28·8	
10·0	17	12·8	28·8	
11·4		25·1	0·2	
9·2		27·8	36·1	
11·2		36·3	11·8	
8·8	18	11·3	9·0	
10·4		58·8	37·0	
11·2	19	34·3	37·3	
11·2	20	9·8	8·0	
11·4	21	10·8	2·0	
10·8		11·4	1·5	
9·8		12·5	14·0	
10·8	22	9·8	55·0	
10·8		32·8	59·4	
9·8		53·8	16·0	
10·2		58·8	44·8	
8·4	24	25·5	58·8	8·5 G
9·4		36·3	45·6	
10·0	25	27·3	19·3	
10·2		38·3	32·2	
10·8		42·6	37·3	
10·0	26	52·8	0·4	
10·8	28	16·8	35·6	
10·8		42·8	26·4	
10·0	29	0·8	9·4	
	+1	21·3	+8·2	

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6361—6381.

mag.	23h. m	s	—33° ′	
8·1	29	26·3	18·8	8·2 G—
10·6		42·3	54·0	
10·8		46·6	34·5	
9·1	30	13·8	16·8	—
10·0		18·5	58·7	
10·2		37·8	41·4	
10·0		54·3	42·0	
10·8	31	26·8	3·9	
10·8		45·5	59·0	
10·8		51·8	56·2	
9·1	32	18·8	52·0	
10·8	33	4·8	56·1	
10·8		13·9	29·1	G
7·3		14·8	25·4	7·0 GS=
8·4		35·8	22·2	9·0 G
10·8		40·6	40·0	G
9·4	34	53·3	47·7	9·2
10·8		57·8	13·6	
10·8	35	2·8	13·7	
9·8		7·8	5·5	
9·1		35·3	20·2	
25pr.	+ 1	19·5	+ 8·3	

6382—6401.

mag.	23 m	s	—33° ′	
8·5	36	30·3	29·3	
10·8		32·3	40·7	
9·2		35·3	14·8	8·8 G—
10·8		35·8	0·7	
10·2		41·3	5·3	
7·5		48·3	46·5	7·2 GS—
10·0	37	36·3	24·1	
9·1	38	4·3	32·9	9·0 G
10·0		10·3	8·6	
8·8		15·8	34·4	8·7 G
7·5	39	20·3	37·3	8·0 G—
10·6		45·3	20·6	
10·4	40	2·3	54·5	
10·2		18·3	5·1	
9·2		45·3	6·3	8·5 —
10·0	41	31·8	54·3	
10·2		35·8	9·1	
9·0		43·8	28·2	9·5
10·4		45·8	22·7	
10·8	43	3·3	28·5	
	+ 1	18·8	+ 8·3	

6402—6421.

mag.	23h. m	s	—33° ′	
8·8	43	44·8	12·0	9·0 —
10·8	44	37·3	53·0	
7·3		58·1	7·6	7·5 GS—
9·6	45	16·6	44·3	
10·8		18·6	32·7	
7·2		25·1	49·1	7·5 GS—
8·8		26·9	11·3	8·5 —
9·6		52·7	7·4	
10·8	46	25·6	14·0	
10·0		42·0	11·1	
8·4	48	0·7	10·0	8·8
9·4		7·3	49·8	
10·4		58·8	4·4	
10·3	49	1·8	4·2	
10·4		48·3	37·3	
9·2	50	13·3	45·3	
7·5	51	10·3	53·0	7·0 GS=
10·0		18·3	8·8	
8·4		42·3	49·7	9·0
10·4		46·8	41·9	
	+ 1	18·1	+ 8·3	

6422—6441.

mag.	23h. m	s	—33° ′	
10·3	53	55·8	17·4	
10·4	54	6·3	17·7	
9·2		16·8	15·2	—
9·4		23·3	44·6	
8·8		24·8	25·8	8·5
9·2		45·7	27·1	
10·0	55	8·2	57·4	
10·3		21·2	29·1	
10·0	56	49·2	44·8	
9·0	57	46·9	59·9	
9·2		47·2	41·0	
9·8	58	3·7	22·8	
9·2		15·2	12·2	G
8·4		22·2	3·5	8·7 —
8·4		28·7	11·2	8·0 GW
7·8		47·7	9·8	7·2 GS—
8·6		59·7	6·7	8·7 G
10·4	59	13·7	4·6	
10·4		17·6	30·1	
8·4		51·2	30·7	8·0 GS
	+ 1	17·0	+ 8·4	

ZONE — 34°.

1—30.

mag.	0h. m	s	—34° ′	
9·4	0	11·2	20·7	
9·9		24·2	41·5	
10·4		58·7	47·0	
10·2	1	24·9	16·7	
6·4		41·9	13·5	5·8 GStπ
9·8	2	13·4	5·1	
10·0		43·9	29·1	
9·8		58·4	3·1	
8·2	3	9·9	48·3	9·0 —
8·6		29·9	28·9	8·5 G—
9·9	4	13·4	38·1	
10·4		43·4	13·9	
10·4	8	42·9	44·7	
8·6		44·4	16·7	—
10·4	9	39·6	8·8	
9·2	10	1·6	9·8	9·0
10·2		24·6	45·1	
10·2		35·6	27·7	
8·2	12	1·6	52·2	8·0
8·0		37·8	1·2	—
8·2		59·4	36·1	8·5 =
9·8	14	23·9	40·6	
9·4		41·4	55·5	
9·3		51·3	2·6	
8·2	15	16·9	51·8	9·0
9·8		50·9	14·0	
9·8	16	18·4	37·5	
8·7	18	25·9	1·8	9·0
9·2	19	27·7	1·2	
9·6	21	1·0	23·1	
25pr.	+ 1	15·8	+ 8·3	

31—60.

mag.	0h. m	s	—34° ′	
8·6	21	5·0	34·3	8·0 G=
8·7		16·3	59·2	9·0
9·0		19·5	49·9	8·0
8·4	22	25·5	39·6	8·5 G—
9·8		40·5	31·1	
8·8	23	5·0	47·6	9·0
9·6		33·0	1·9	
8·6		40·0	6·5	
9·3		59·0	5·6	
9·6	25	0·0	51·9	
9·8		10·0	57·0	
9·6	26	31·5	59·9	9·0
8·2		43·5	51·6	9·0 G—
8·7		55·0	27·8	
8·4	27	43·5	6·0	8·0 G—
9·8	29	26·5	54·5	
9·8		35·0	53·6	
9·4		40·0	22·7	
8·8	30	5·0	35·0	8·5 G—
9·8		10·0	35·2	
9·6		38·5	47·9	
9·6		41·0	32·4	
9·5		45·0	58·2	
9·5	31	43·5	11·7	9·5
8·7	32	22·5	9·5	9·0 —
7·5	33	49·5	38·7	6·5 GS=
9·0	34	36·5	59·0	
9·5	35	19·5	36·9	
9·2		23·5	25·1	8·0 G
9·8		41·0	20·2	
	+ 1	14·0	+ 8·3	

61—90.

mag.	0h. m	s	—34° ′	
8·7	36	19·0	40·6	
9·8	37	24·5	48·8	
9·8		56·0	3·8	
8·5	38	15·3	33·5	9·0
9·4		26·2	20·3	9·0 —
9·6	39	17·0	1·1	
9·8		25·7	42·1	
9·4	40	2·2	15·7	
10·0		9·7	15·1	
10·0		15·7	11·4	
9·4		39·2	6·3	
9·0	41	51·7	8·9	9·0 —
10·0	42	5·7	16·4	
9·5		20·7	44·0	
8·4	43	4·7	30·5	=
8·8	45	14·7	45·9	8·5 —
10·0	46	1·7	48·5	
10·0		32·7	11·6	
10·0	47	29·7	43·7	
9·6		51·2	57·1	
10·0	48	39·2	44·2	
8·2		39·7	38·1	8·0 G=
9·2	49	42·2	25·7	
10·0		53·2	16·1	
9·4	50	15·7	23·5	
8·8		29·7	29·6	9·5
8·8	51	8·7	32·8	9·0 =
9·6		38·7	37·2	
9·4	54	57·7	21·7	
10·0	55	14·7	30·9	
	+ 1	12·4	+ 8·2	

91—120.

mag.	0h.–1h. m	s	—34° ′	
8·5	55	25·7	2·0	7·5 GS=
9·2	57	53·7	40·8	
9·5	58	22·7	11·5	
10·0		23·2	18·9	
7·5		38·7	12·2	6·5 GS—r
10·0	59	46·4	26·7	
10·0	0	53·4	39·1	
10·0	1	59·4	54·7	
9·4	2	24·9	40·5	
8·8		49·4	59·0	8·5 G
9·6	3	7·3	19·4	
8·2		13·1	16·5	8·5 G—
9·4	4	15·8	24·5	
9·4		29·8	12·9	
9·6	5	29·8	59·6	
9·6		29·8	52·9	
9·8	7	19·8	35·9	
9·2		22·3	25·9	
8·6		50·3	23·5	—
9·4		54·0	1·7	9·5 G
9·2	8	23·3	29·1	
8·6	9	45·3	41·5	9·5 G
7·6	10	18·8	48·6	8·0 GS—t
7·4	12	16·3	47·8	8·0 GS—
9·2		55·3	49·8	
9·6	13	23·3	43·3	
9·6		35·3	46·6	
8·6		55·3	22·6	9·0 —
9·4	14	34·8	49·2	9·5
9·2		47·8	3·6	9·0 G—
	+ 1	10·4	+ 8·0	

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121—180.

mag.	1h. m	s	—34° ′	
9.4	16	1.3	8.9	
9.4		28.8	14.4	
9.2		29.3	51.4	
9.8	17	19.8	5.7	
9.8		19.8	9.1	
9.0		28.8	11.3	9.0
8.8		30.8	8.1	9.2 G–
7.6		30.8	12.1	6.8 GS–
9.8	18	49.4	19.3	
7.1		55.3	47.7	6.5 GS–
9.4	19	9.8	14.9	
9.1		19.3	51.2	9.5
9.6		29.8	6.3	
8.9	20	39.8	14.4	
9.0		39.8	33.6	9.0 –
8.6	21	1.3	48.7	
8.6		29.8	59.3	
9.8	22	35.3	55.9	
9.6		39.3	25.3	
9.4		42.3	38.0	
6.6	23	0.8	24.7	6.5 GS–
9.6		10.8	59.4	
9.8	24	2.8	40.3	
9.4		40.8	33.2	
9.6	25	13.3	51.2	
9.0		15.3	48.7	9.5
9.8		27.8	58.3	
8.9		54.8	47.6	9.0
8.4	26	15.3	3.6	9.0 –
9.8		19.3	1.8	
9.1	28	36.3	58.0	9.0
9.9	30	14.5	36.1	
8.0		41.1	1.4	8.5 G–
9.7	31	2.0	3.7	
9.5		30.5	8.7	9.5 –
9.9	32	1.0	11.9	
9.2		21.0	28.3	
9.8	33	9.6	20.8	
8.5		23.1	6.0	9.0 G
7.1		43.1	12.0	6.5 GS–
9.0		49.1	9.1	9.5
9.2	34	1.9	1.1	9.5 G
9.2		3.1	6.0	9.0 G
7.7	35	34.1	1.9	7.0 GS–
9.7	36	59.1	6.8	
9.9	38	17.6	46.8	9.5
8.4		53.1	28.0	8.5 G–
9.9	40	3.6	1.9	
9.9		19.6	56.2	
9.6		25.1	7.1	–
9.8	42	14.1	26.5	
9.0	43	7.6	51.6	9.5
8.9		10.3	14.1	9.0 –
9.0		37.3	55.1	9.5
9.2		54.8	38.2	
9.0	45	26.8	15.3	–
7.6	47	3.3	48.7	7.5 G–
8.9		18.8	3.0	
9.0		29.3	54.3	G
9.6		50.3	14.9	
25pr.	+1	8.3	+7.8	

181—240.

mag.	1h.–2h. m	s	—34° ′	
7.8	47	54.8	10.9	7.5 G–
9.8	48	20.8	41.4	
8.9		32.3	23.7	9.0 G–
9.0	49	17.3	9.1	9.5
9.8	50	18.8	48.4	
9.7		32.8	20.1	
8.4		51.3	20.6	8.2 G–
9.4	51	23.3	18.6	9.8 G
8.6		33.3	17.8	9.2 G–
7.4		33.8	33.1	–
9.0	52	22.8	1.1	
8.4		29.5	43.0	8.5
8.8		58.8	1.8	–
9.5	53	11.4	3.1	
9.2		52.1	6.6	
9.9	54	37.0	54.6	
9.8	56	33.3	47.0	
8.4		50.8	13.6	9.0 G–
9.9		59.3	4.0	
9.9	57	31.8	53.8	
9.6	58	34.8	4.8	
9.6	0	9.8	32.8	
9.7		33.8	13.0	
8.6		42.3	29.6	G–
9.8		50.8	14.3	
9.4	1	8.8	48.2	9.8
8.5	2	14.3	3.0	9.0 –
9.8		18.0	12.9	
9.0		47.5	35.6	
9.9	3	47.0	15.9	
9.7	4	40.0	24.1	
9.4	5	12.5	28.0	
9.4		55.0	52.7	9.5 G
8.8	6	8.5	31.9	G–
9.7		54.0	46.7	
9.7	7	21.0	29.2	
9.6	8	14.0	56.1	
8.8	9	3.0	54.1	10.0 G
9.9		40.0	25.9	
8.6	10	9.0	20.8	8.5 G
8.4		26.0	20.5	8.5 G
9.6	13	39.7	25.8	
9.4		51.7	39.6	
8.8	14	19.2	11.7	8.0 G–
9.2	15	18.2	29.9	
8.8		41.2	27.6	G–
8.5	18	4.7	39.0	9.5 G–
9.9		31.0	2.1	
8.8		39.2	40.5	G
10.1	19	16.4	15.2	
8.4		28.8	3.3	–
7.2	20	10.4	37.1	8.0 GS
10.0		15.4	22.6	
8.6	21	9.4	10.6	9.5 G–
8.8		23.9	18.0	9.5 –
7.0	22	25.4	27.5	8.0 GS
5.5		44.4	22.3	5.0 GStπ
10.1		51.4	52.3	
9.8		54.4	56.4	
9.8	23	19.4	39.8	
	+1	5.0	+7.2	

241—300.

mag.	2h. m	s	—34° ′	
9.8	24	30.4	54.6	
10.1	25	1.4	21.3	
9.6		32.9	20.2	
10.0	26	11.9	15.4	
10.2		46.4	36.0	
10.1	28	29.4	11.8	
8.0	29	11.4	23.8	G–
8.6		13.9	31.4	
9.0		14.4	40.7	
8.8		18.4	13.4	
9.0		50.4	4.3	9.0 G
10.2	31	21.4	45.3	
10.2		34.9	47.4	
9.6		54.4	9.1	10.0
8.6	32	7.4	11.6	9.0 –
10.2		10.9	28.0	
10.0		29.4	54.0	
7.7		39.6	13.2	7.5 GW–
9.6		59.4	26.2	
10.2	33	14.4	24.4	
9.6		28.4	25.2	
10.0		34.4	58.7	
9.4		39.4	33.1	
8.0	34	34.4	25.6	8.5 –
9.8	35	16.9	17.0	
9.4		18.4	36.1	
9.8		37.9	36.1	
9.6	36	29.4	44.8	
8.6		35.4	44.3	9.0
8.6	37	22.9	20.1	9.0 –
10.2		55.4	13.2	
9.8	38	2.9	0.6	
7.7		14.4	37.4	7.5 G–
10.2		14.5	45.4	
9.4		34.4	39.2	
10.1	39	23.1	59.1	
10.2		43.5	2.8	
9.8		50.5	0.8	
10.2		59.9	0.0	
10.2	40	7.6	59.5	
8.0		26.5	23.5	8.0 GS–
7.9		30.5	24.0	8.0 GS–
9.8		48.9	1.6	
10.0		54.5	45.6	
8.4	41	17.5	28.9	9.0 –
8.6	42	2.0	45.7	G
9.4		9.5	3.5	
10.2	43	8.5	55.3	
7.0		21.5	18.2	7.0 GS–
10.1		53.5	15.9	
9.4	44	49.8	53.8	
10.2	45	0.0	33.5	
9.8		6.0	31.8	
10.1		15.5	56.9	
9.7		48.9	59.7	
10.4	46	20.1	55.0	
10.0	47	15.1	27.0	
10.2	49	28.1	21.7	
7.1		41.5	2.1	7.0 GS–t
9.6	51	26.7	45.0	G
	+1	2.2	+6.4	

301—360.

mag.	2h.–3h. m	s	—34° ′	
9.0	52	1.2	21.0	9.0 G–
8.8		19.7	41.5	9.0 G
10.2		25.0	57.9	
10.4	53	27.5	59.2	
9.8		42.2	25.5	
7.6		57.2	41.2	7.0 GS–
9.9	55	54.3	9.0	
10.4	57	4.3	14.9	
10.4	58	14.8	16.1	
10.4	59	4.3	44.8	
8.8		13.3	53.9	8.8 GW
9.2		40.3	40.0	
9.4		43.3	28.1	G
9.5	1	32.0	21.2	
8.8		46.0	3.9	
10.4		58.0	56.9	
10.2	2	4.2	20.4	
9.2		49.0	16.5	10.0
10.2	3	58.5	45.1	
8.2	4	15.5	24.3	9.0
10.2		59.0	38.9	
9.6	5	11.5	17.4	
8.1		17.5	35.1	9.0 G
9.2	6	43.7	56.4	9.2
8.6	8	8.7	50.8	8.8 G
9.4		10.5	1.8	9.0 G
9.4	9	13.9	4.8	9.0
10.4		21.4	33.2	
10.0		35.4	4.9	
8.2		45.4	19.6	8.5
9.4	10	25.6	6.6	
9.8	11	36.1	20.3	
8.4	14	4.1	33.9	8.5
10.0		15.1	58.6	
9.2		40.1	28.6	9.5
7.7	15	0.1	27.8	8.0 GS
10.0		15.1	58.5	
10.0		40.6	11.0	
8.2		59.3	0.3	8.2 G
10.0	16	21.2	20.0	
10.0	20	7.6	19.5	
8.4	21	14.7	13.1	9.0 G
9.1		49.7	13.8	9.5 G
9.4	22	29.7	56.6	8.5
9.8		49.7	49.8	
9.8		52.2	42.1	
7.6	23	58.0	5.1	7.3 GSt
8.6	24	20.5	46.9	8.5 G
9.8	26	49.5	2.9	
10.0	28	30.8	16.4	
10.0		58.3	20.7	
10.0	30	23.8	1.0	
8.5		52.8	8.6	9.2
10.0	31	35.3	32.4	
10.0		50.3	28.1	
7.1		57.8	11.6	7.0 GSt
8.2	32	24.8	16.2	7.5 GSt
8.8		26.3	26.1	
7.8		38.8	21.6	8.0 G
9.2	33	12.2	31.6	
	+0	59.9	+5.6	

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361—420.

mag.	3h. m	s	−34° ′	
9·6	33	20·7	15·1	
9·5		24·2	44·4	
9·8		44·2	8·5	
8·2	34	10·5	22·4	Gt
9·5		39·7	23·5	G
9·5		44·2	43·9	
9·8	35	6·2	56·6	
7·6		13·0	57·2	7·5 GS
10·8		19·8	42·0	
9·2		49·5	58·8	
10·7		52·3	49·4	
10·8	37	4·6	57·9	
9·2		15·7	0·2	
9·0		19·8	49·3	9·0 G
10·3	38	9·8	31·2	
10·8		54·3	48·3	
9·8		58·8	13·2	
10·6	39	4·8	1·3	
10·7		5·3	38·1	
10·0		11·3	27·2	
10·8		17·8	9·0	
9·6		56·8	6·1	
10·8	40	39·3	29·5	
9·0	41	5·3	44·2	
10·8		49·3	29·5	
9·8		49·8	52·1	
10·8		56·8	29·8	
9·8	42	6·3	5·2	9·0 G
10·7		7·3	15·4	
9·0	43	15·3	6·1	8·8 G
10·2		44·8	51·2	
10·7		46·3	4·5	
9·2		48·8	12·8	9·0
9·2	44	31·3	42·1	
9·6	45	6·8	10·4	
9·8		12·3	0·4	
8·4		13·3	24·4	9·5
10·8		42·3	39·9	
9·8	46	16·7	1·1	9·5
9·5		27·8	51·3	
7·9		28·3	7·6	8·2 G
10·3		31·3	22·1	
9·8		35·3	46·1	
10·7		44·3	28·9	
8·8	47	17·3	34·5	9·5
8·8		32·3	44·2	9·0
9·0	48	18·3	20·7	
8·8		28·3	39·1	8·5
9·8		44·8	41·5	9·0
9·8	49	2·8	24·2	
9·6		9·8	36·7	
10·8		31·3	21·1	
10·8	52	3·6	59·7	
10·3		6·3	13·3	
9·6		20·8	31·2	
9·8	53	4·8	37·2	9·5
9·6		9·8	52·2	9·0 G
9·8		35·8	0·1	
10·8	54	59·8	29·5	
10·7	55	44·8	40·6	
25pr.	+0	57·8	+4·7	

421—480.

mag.	3h.–4h. m	s	−34° ′	
9·2	56	3·8	8·4	
10·3		14·8	36·4	
10·7	57	12·3	8·5	
7·0		15·8	49·9	7·0 GS
9·8		25·3	55·0	
10·8	58	44·8	32·0	
10·6		57·3	29·7	
10·8		57·3	30·0	
9·2	0	9·8	12·3	
10·4		26·3	42·6	
10·3		42·1	15·3	
10·8		51·3	12·4	
10·4	1	4·9	7·4	
10·3		19·9	11·2	
10·2		54·9	58·5	
8·8	2	29·9	37·5	8·5 G
8·6	3	53·9	27·0	8·5 G
9·8	4	18·9	25·7	
9·8		39·9	20·0	
9·8		45·4	4·5	
8·2	5	20·9	49·5	7·5 GS
10·6		29·4	57·2	
10·8		44·7	51·5	
10·6		55·7	26·8	
8·0	6	20·7	26·2	8·5
10·6		52·7	25·1	
10·8	7	0·2	35·0	
10·6		7·2	1·3	
10·8		10·7	5·3	G
9·4		12·7	5·5	9·5 G
9·4		20·7	39·7	
10·3		29·2	39·7	
9·6		45·2	32·2	
10·0	8	0·7	4·8	
10·8		29·7	20·0	
9·8		40·2	52·7	
10·8	10	23·2	59·3	
9·2		34·7	42·1	9·0
10·4		45·2	35·8	
8·8		50·7	28·1	9·5
10·4		59·7	28·3	
10·3	12	13·4	44·6	
10·8		52·9	22·8	
10·8		56·4	56·8	
7·4	13	9·4	29·5	7·0 GS
3·1		9·4	6·4	3·5 GSπβ
9·2		20·0	2·9	9·5
10·4	14	2·4	34·8	
7·9		5·9	25·5	8·0 GS
10·8		12·9	44·8	
6·0		20·4	12·5	6·4 GS
9·6		44·4	30·0	
10·2	16	3·4	29·3	
10·3		19·4	10·6	
9·2		36·4	7·9	9·2
8·8		39·9	13·2	9·2
10·8		48·7	30·0	
10·8	18	46·4	44·5	
10·2	19	9·4	45·3	
9·0		14·4	41·7	
	+0	56·5	+4·0	

481—540.

mag.	4h. m	s	−34° ′	
10·6	19	20·4	37·8	
5·7		20·4	18·5	4·0 GStπ
10·0		33·9	30·1	
10·4		39·9	28·6	
10·8		53·4	48·8	
9·4		57·9	34·5	
9·4		58·9	51·9	
10·8	20	8·9	3·4	
10·8		57·9	45·5	
10·8	21	8·9	2·1	
10·2†		23·8	0·8	
9·0		33·4	59·2	9·5
9·2		37·4	25·5	
9·4		38·9	25·9	
9·8	22	0·4	5·3	
9·6		40·9	6·1	
10·8		48·9	8·5	
10·6	23	10·9	33·1	
10·3		48·9	32·8	
10·6	24	38·4	4·7	
10·6		39·5	13·4	
9·8	25	4·4	41·4	
10·2		25·0	18·1	
10·3		25·9	29·6	
10·8		42·9	6·3	
10·8		55·4	44·8	
10·3	26	18·9	30·9	
9·4		56·9	3·1	9·5
10·8	27	2·4	43·3	
10·6		18·9	43·3	
7·4		19·4	10·0	8·5 G
9·8	28	20·9	22·1	
10·6		21·4	30·9	
10·8	29	27·9	43·5	
9·6	32	24·4	46·0	10·0
9·2	33	16·9	8·9	8·8 G
8·1		31·4	21·5	8·0 G
10·4	34	18·9	57·1	
8·0		49·9	14·9	7·5 G
10·4	35	25·4	9·0	
10·0	36	49·9	45·3	
9·8	37	13·1	57·1	10·0
10·4		27·9	8·9	
9·2	38	9·9	50·7	9·5
8·0		14·9	27·1	8·0
10·8		52·9	9·7	
9·8	39	12·9	40·3	9·5
10·0	40	29·2	21·9	
9·6		41·2	24·1	
7·1	41	11·7	14·0	7·0 GStπ
10·0		36·7	21·7	10·0
11·0†		51·2	0·9	
9·3	42	1·2	21·2	9·5
10·6		6·1	34·4	
10·6		18·2	17·7	
9·8	44	10·3	2·1	
7·6		36·2	31·7	7·0 GS
9·2	45	20·2	49·8	9·5
9·6		20·7	56·0	9·5
8·2		59·7	25·3	9·0 G
	+0	55·7	+3·3	

541—600.

mag.	4h.–5h. m	s	−34° ′	
10·4	46	10·2	48·0	
9·8		13·2	26·7	9·5 G
10·2		17·2	4·8	
8·9		19·7	13·6	
10·0		35·1	39·0	
10·6		41·1	15·6	
10·0		59·6	28·0	
8·4	47	12·1	25·9	9·0 G
7·1		18·6	27·0	6·5 GSct
8·6		19·6	27·8	9·0 G
10·6	48	9·1	38·8	
10·8		49·6	49·2	
10·8	50	3·1	6·4	
10·6		32·5	7·3	
10·6	51	4·7	0·5	
10·6		14·4	51·0	
10·0		40·4	35·1	
10·6†	52	38·5	1·3	
10·6		51·4	14·0	
10·2	53	3·4	32·2	
10·0		24·4	14·4	
10·6		27·2	2·6	
10·6	54	0·4	33·3	
9·4	55	5·9	41·8	
8·7		11·4	18·6	9·5
10·6		17·4	15·1	
10·6		26·9	6·3	
7·2		27·4	21·2	7·5 GS
10·0		51·4	31·7	
10·6	56	32·3	0·0	
10·6		40·4	12·5	
9·8		44·6	54·1	
9·6		45·1	37·7	
10·2		55·1	59·3	
10·6	57	10·1	40·6	
10·6		23·1	39·8	
10·0		49·1	35·6	
10·2		52·1	5·7	
9·8	58	34·1	44·0	
10·6		52·1	49·9	
10·0	59	22·7	57·7	
10·6	0	10·1	4·6	
10·6		13·1	38·2	
9·6	1	2·6	59·1	
10·6		20·1	40·9	
10·6		26·6	26·2	
10·2		27·6	19·8	
10·6		37·6	25·0	
10·4		54·6	2·0	
10·2	2	11·1	44·8	
10·2		42·0	0·6	
10·2		59·1	37·0	
8·7	3	3·1	9·4	8·8 G
9·1		50·6	4·1	9·0
9·4	4	15·1	40·7	
10·6		21·6	36·1	
9·2		44·6	40·9	
10·0		54·6	55·0	
10·6		55·1	49·7	
10·0	5	1·1	4·0	
	+0	54·7	+2·3	

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601—660.

mag.	5^h m	s	—34° ′	
10·6	5	9·1	53·0	
9·4		19·1	59·7	9·0 G
10·4	6	0·1	15·1	
9·4		10·1	33·8	
8·2		56·0	2·0	8·0 G
10·6	7	12·6	46·9	
10·0		17·6	39·1	
8·6		24·1	17·7	8·5
10·4		33·9	4·3	
8·7	8	3·9	37·7	8·5
8·4	9	22·4	33·0	
9·8		33·2	1·0	
10·2		33·4	59·0	
9·4		39·4	43·9	
10·6		50·4	2·9	
10·6	10	8·0	2·3	
10·6		9·9	41·0	
10·6		36·9	27·6	
10·2		45·4	24·7	
10·2		49·9	13·2	
10·2	11	21·4	11·9	
10·2		39·9	18·6	
10·6		49·4	48·3	
10·4		53·9	44·7	
10·4		58·6	57·0	
9·8	12	8·4	15·3	
10·0		11·9	47·1	
10·6		24·4	50·3	
9·6		41·4	37·5	
10·2		54·9	0·8	
10·6	13	3·9	19·7	
9·8		5·4	54·8	
10·6		9·4	44·9	
7·8		29·8	9·7	8·5
10·0	14	18·8	21·2	
10·0		38·3	47·2	
10·6		54·8	25·9	
9·4	15	12·8	5·2	9·5
9·4		21·3	28·9	
10·6		28·8	29·6	
10·4		33·3	41·9	
10·6		40·8	25·3	
8·7		45·3	36·7	
6·4		50·8	49·6	6·5 GStπ
9·9	16	9·1	24·2	
9·6		9·6	54·8	
6·4		45·2	28·1	6·5 GStπ
9·9		51·1	37·2	
8·7	17	3·6	13·8	8·5 G
10·0		23·1	14·4	
9·4		31·1	37·6	
10·1	18	18·5	28·5	
9·6		28·6	23·1	
9·6		31·6	54·8	
10·0		55·6	40·6	G
9·0	19	29·6	23·9	8·5 G
10·0		29·6	6·9	
7·4		36·6	31·9	7·5 GSt
10·0	20	4·1	30·1	
8·0		26·1	19·4	8·0 G
25pr.	+0	54·3	+1·7	

661—720.

mag.	5^h m	s	—34° ′	
7·6	20	50·6	57·7	7·3 G
9·9	21	20·6	14·2	
9·6		24·1	13·8	9·5
9·0		39·6	45·6	
8·7	22	30·1	43·0	9·0 G
7·6		45·1	43·2	8·0 G
8·8	23	34·2	12·1	
10·0	24	23·2	20·0	
8·4		40·7	53·3	8·5
8·2		53·7	36·9	8·5
9·1	25	0·7	53·1	
9·8		21·2	45·5	
10·0		39·2	23·2	
9·4		51·2	27·3	
8·8	27	12·2	51·0	9·5
9·9		18·2	35·2	
9·6		50·7	32·6	
9·4	28	0·7	12·1	
8·7		31·2	30·1	9·0
8·8		35·7	34·6	9·0
7·0		45·7	23·4	7·0 GStπ
8·8		46·7	18·9	9·5
9·9	29	5·7	33·1	
10·0		41·2	3·9	
9·0		43·7	51·0	9·0
8·4	30	5·7	33·6	8·5 G
10·0		37·7	0·0	
9·6		54·2	31·2	
9·6	31	10·7	13·9	
9·1		11·7	13·4	
9·9		30·7	42·4	
9·4		55·7	49·0	
9·6	32	4·6	2·4	9·0 G
8·2		6·2	48·0	8·0 GS
9·0		29·6	18·7	
9·4		49·6	50·3	
9·6	33	0·1	55·8	
7·6		19·6	45·8	7·0 GS
9·0	34	1·6	19·3	
9·4	35	0·6	41·2	
8·8		3·6	49·6	9·5
9·9		4·6	23·6	
3·1		6·6	8·5	2·2 GSπλ
8·7		12·1	42·2	
9·6		32·6	24·2	
9·6	36	34·1	42·0	
10·0		50·6	26·9	
9·0		51·6	25·9	
9·6	37	10·6	42·6	
10·0		41·6	46·4	
5·4		46·1	43·8	5·5 GStπ
9·6		54·1	5·9	
9·1		56·6	3·6	
8·8		58·0	2·9	
9·9	38	3·6	19·2	
9·9		11·1	3·3	
9·3		12·1	46·7	
8·2		19·1	8·4	8·2 G
7·7		21·6	1·1	7·5 GSg
9·1		39·6	43·1	
	+0	54·0	+1·1	

721—780.

mag.	5^h m	s	—34° ′	
10·0	39	6·1	31·1	
9·0		8·6	40·4	
10·0		22·6	58·9	
10·0		25·1	2·6	
9·8		29·1	55·1	
10·0		53·0	0·3	
9·3	40	25·6	49·5	
10·0		32·6	9·3	
9·0	41	5·2	15·0	9·0
9·3		7·9	5·1	
9·8		10·4	58·5	
10·3		45·3	41·2	
10·3		55·1	11·9	
9·9	42	17·6	6·9	9·5
10·6		20·6	56·2	
9·0		21·1	56·8	8·5 G
10·6	43	12·6	11·8	
8·4		31·1	30·7	8·0 GS
10·8		38·4	0·8	
10·7		40·6	16·5	
10·2		42·1	48·0	
8·0		54·3	58·7	8·0 GSg
10·8	44	0·1	17·0	
10·0		27·1	6·5	
10·7		40·6	21·8	
9·4		45·6	35·9	8·5 G
9·8		46·7	52·6	
10·2		50·7	3·4	
10·2		54·7	9·9	9·0
10·2	45	0·2	18·2	
10·7		27·2	22·6	
10·2		33·2	44·5	
8·4		33·7	35·5	7·8 GS
10·8	46	12·2	7·5	
10·7		12·2	41·7	
10·0		34·2	30·1	9·5
10·8		55·7	59·8	
9·6	47	17·2	36·4	8·8 G
10·6		19·2	33·2	
10·7		22·2	53·6	
10·4		50·2	36·4	
10·2		56·2	13·0	
10·0	48	2·7	41·2	
7·3		20·2	35·3	7·0 G
10·4		46·9	5·6	
10·2	49	21·3	2·8	
10·4		22·9	24·9	
9·3		39·4	19·7	9·0
9·4	51	14·4	8·4	
8·8		16·9	26·9	9·0
9·4		35·9	16·4	8·5
10·6		36·4	46·9	
10·4		50·4	6·2	
10·8		54·9	43·5	
9·6		56·4	45·0	
9·9	52	4·4	53·1	
8·7		5·4	45·4	
9·8		26·4	40·6	
10·8		45·4	29·8	
9·8		56·9	0·4	
	+0	53·9	+0·5	

781—840.

mag.	5^h–6^h m	s	—34° ′	
10·2	53	4·9	35·4	
10·2		14·9	59·5	
10·8		22·4	3·6	
10·7		22·9	38·6	
7·6		23·9	29·3	8·5 GSg
9·4		34·9	3·1	
9·8		57·9	31·0	
10·8	54	8·8	38·5	
8·6		26·8	22·1	8·5 GS
10·8	55	3·3	37·9	
10·8		6·3	40·8	
9·4		12·3	38·4	
8·8		30·3	27·5	
10·8		35·8	48·6	
10·8		36·8	59·7	
8·8		42·3	6·3	9·0
10·4	56	13·3	16·5	
9·6		14·3	30·6	
9·2		23·8	13·5	
10·8		29·3	27·8	
9·2		33·3	0·7	9·2
9·4		38·8	16·9	
10·2		54·8	46·9	
10·0		54·8	35·1	
10·8	57	9·3	49·9	
8·4		29·3	30·7	
10·8		33·3	33·9	
9·4		34·3	22·5	
10·8		35·8	38·5	
10·8		37·3	32·2	
10·2		52·8	34·6	
9·3	58	30·8	14·5	
10·7		40·8	8·5	
10·7		44·8	6·4	
9·4		48·0	2·9	
10·0	59	6·3	22·3	
10·6		14·8	40·3	
10·0		23·3	22·0	
10·8		24·8	53·7	
9·6		29·3	14·9	
10·0		38·8	17·7	
10·6		46·8	52·5	
10·8		48·3	51·7	
10·3		49·8	16·7	
9·8		59·8	3·1	9·0 –
10·8	0	19·6	13·3	
10·8		22·6	14·0	
10·8		34·6	53·8	
10·0	1	29·6	14·7	
10·3		30·6	27·5	
9·8		30·6	53·6	
10·6		33·1	13·8	
10·2		44·6	30·9	
8·4		56·1	42·7	
9·9		59·6	57·9	
5·8	2	33·6	17·7	6·0 GStπ
10·0		42·6	50·0	
10·6		54·6	16·5	
10·8	3	11·6	29·1	
8·3		11·6	28·1	8·5
	+0	53·8	+0·1	

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841—900.

mag.	6h. m	s	—34° ′	
7·9	3	12·6	37·4	8·5
9·9		49·1	38·6	
10·4	4	2·6	1·7	
8·2		18·1	23·6	
10·7		27·6	45·6	
9·2		36·6	18·5	
9·0		49·6	4·4	9·0
8·2		59·1	55·8	9·0 G
10·4	5	7·1	27·0	
8·2		7·6	9·4	8·5 G–
10·8		17·1	36·8	
10·8		28·6	19·7	
7·3	6	4·1	47·4	GSct
9·4		14·6	13·1	9·5
10·8		29·1	0·2	
8·6		30·1	27·0	9·0
8·6		30·6	11·5	8·5
10·8		33·6	16·4	
9·6		59·6	18·0	
10·8	7	3·6	13·4	
9·3		4·1	20·6	
9·8		14·4	23·5	
10·1		22·4	12·3	
10·1		25·0	19·7	
10·1		58·9	41·7	
10·1		59·9	4·0	
9·4	8	0·4	44·5	
10·0		7·9	4·2	
10·1		22·4	30·8	
8·2		31·9	32·4	8·0 G
9·4	9	40·9	13·1	8·5
10·0		45·4	45·5	
10·1	10	18·4	53·9	
9·4		24·4	23·4	
10·0		38·4	13·5	
10·0		49·4	22·7	
10·1		49·4	50·3	
8·0		55·9	54·7	8·5 G
10·1	11	14·9	26·0	
8·4		25·4	19·6	9·0
10·1		32·4	3·9	
8·4		41·5	0·7	8·2 G–
9·0	12	39·4	41·4	8·5
10·1		46·4	24·8	
10·1		57·4	22·6	
9·8	13	1·4	8·7	
9·4		22·4	47·1	
10·1		36·4	7·0	
8·6	14	2·9	32·5	
9·4		5·4	35·6	
9·2		29·3	37·3	
10·0	15	9·3	42·8	
6·2		10·3	20·6	6·5 GStπ
10·0		19·8	25·6	
9·5		54·8	43·1	9·0
10·1	16	0·8	4·2	
9·0		4·5	44·7	9·5
5·5		4·8	5·3	6·0 GStπ
10·1		4·8	53·6	9·5
9·0		5·3	8·9	8·5
25pr.	+0	53·9	—0·3	

901—960.

mag.	6h. m	s	—34° ′	
8·9	16	6·3	32·9	
9·4		9·3	52·2	9·0
9·5		12·3	40·5	
10·0		59·8	17·9	
8·3	17	22·3	42·1	
9·0		28·3	27·1	
8·2		37·1	59·1	7·5 GSg
8·6	18	20·8	23·3	
10·0		28·3	48·2	
10·1		34·8	44·9	
7·0		45·3	55·9	GSg
9·8		59·3	22·0	
8·6	19	45·3	0·5	9·0
9·8	20	4·8	41·9	
9·8		9·8	10·5	
9·0		16·8	15·2	
8·5		18·8	2·6	8·5 G–
10·1		33·3	58·6	
9·4		33·8	16·8	
9·0		39·8	55·6	
8·4		46·3	18·3	
10·1		49·3	28·3	
9·8		52·3	38·3	
9·0	21	1·3	9·7	
7·2		2·3	59·5	6·8 GSg
7·4		10·3	58·1	8·0 GSg
10·0		35·6	2·7	
9·8		39·3	25·5	
9·3	22	10·3	19·7	
10·0		24·6	18·9	
9·5		36·6	52·2	
8·8	23	9·6	46·3	
9·2		18·1	26·6	
10·0		19·4	18·1	
9·5		38·6	11·7	
10·1		41·1	11·3	
8·9		47·6	18·1	
10·1		49·6	54·4	
9·8	24	19·6	13·3	
9·5		32·6	26·2	
10·1		32·6	41·5	
10·0		33·6	32·0	
7·8		55·8	0·8	8·5 G–
10·1	25	2·6	10·2	
10·1		14·1	44·2	
10·1		23·6	0·9	
8·8		34·1	54·7	G
9·6		38·6	16·4	
7·5	26	24·1	54·9	7·5 GSg
8·4		47·6	32·9	8·5
9·8		48·6	40·4	
9·2		51·6	29·8	
9·4		56·6	21·8	
8·2	27	13·1	24·6	9·0
9·6		24·6	12·7	
8·5		53·6	7·7	9·0 –
9·6		54·6	14·1	
8·9		59·6	14·5	
8·6	28	16·1	45·7	
10·1		20·0	0·2	
	+0	53·9	—0·8	

961—1020.

mag.	6h. m	s	—34° ′	
10·0	28	27·1	19·0	
10·0		32·1	13·9	
9·0		49·6	38·2	
10·0		52·1	54·3	
10·0	29	16·1	41·4	
9·4		23·1	20·1	
10·1		39·4	58·9	
8·3	30	24·6	44·2	8·5
7·9		31·9	57·2	8·0 GSt
10·1		40·0	33·5	
9·5		42·0	9·7	
10·1		42·1	15·3	
10·1		49·5	33·1	
9·8		56·0	39·2	
9·4		57·3	56·9	
9·4	31	9·5	50·5	
9·6		31·0	11·0	
9·8		50·3	33·5	
8·2	32	3·0	34·4	
9·2		4·3	52·9	9·0 G
10·0		15·4	29·9	
9·2		21·0	38·8	
10·1		22·0	26·3	
9·9		26·2	51·8	
9·8		39·2	42·0	
9·9		42·7	58·3	
9·6	33	0·1	23·2	
9·9		22·2	11·2	
9·9		53·5	2·9	9·0
9·6	34	7·5	38·9	
8·7		30·0	10·8	9·0
9·0		35·5	20·1	
9·0		40·0	54·2	8·5
9·9		58·5	55·6	
9·2	35	2·5	46·6	9·0
9·0		42·5	44·9	
9·0		50·5	41·2	
7·8	36	1·0	5·8	8·5 –
9·9		28·5	14·5	
9·6		35·5	58·0	
8·2		40·0	23·4	8·0
9·9		40·5	33·6	
9·1		54·5	16·3	
9·9	37	21·5	31·3	
8·6		23·5	3·4	
9·2		29·5	28·9	
9·9		30·5	41·0	
9·0		31·5	50·3	8·8
9·2		36·5	25·5	
9·8		48·0	53·6	
8·8		58·5	21·9	9·0
9·2		59·0	38·0	
7·8	38	0·5	14·3	8·5 –
9·9		7·5	58·7	
8·5		11·5	39·4	
9·9		16·5	23·7	
8·7		33·5	36·4	
9·9		59·5	17·3	
8·7	39	10·0	26·5	
9·9		17·5	35·5	
	+0	54·1	—1·2	

1021—1080.

mag.	6h. m	s	—34° ′	
8·5	39	27·5	6·8	9·0
9·9		44·5	28·3	
9·6		56·5	29·6	
7·8	40	29·3	59·7	8·5 G
9·9		48·5	51·4	
9·2		52·0	29·8	
9·9		56·0	38·4	
8·6	41	2·5	34·0	
9·9		5·5	50·9	
9·9		24·2	29·6	
7·2		41·2	6·6	7·5 GS–g
9·9		42·7	27·6	
9·8		49·2	0·1	
9·4	42	37·7	0·4	
9·1		48·2	36·7	
9·8	43	10·2	56·1	
9·8		29·2	27·2	
9·6		33·7	24·0	
9·2		49·2	38·9	
9·9		52·2	1·0	
9·6	44	4·7	31·6	
9·0		9·2	27·3	
9·6		10·7	32·6	
7·2		19·2	47·8	7·2 GSg
9·9		38·7	24·4	
9·9		50·7	44·0	
9·6	45	0·7	45·1	
9·6		31·2	5·0	
9·4		58·2	27·5	
9·0	46	17·2	15·2	9·5
7·1		19·7	13·2	5·0 GStπ
9·6		27·7	59·8	9·0
9·8		29·7	43·4	
8·4		32·7	7·7	8·0 G–tπ
9·8		50·2	4·7	
9·8		50·2	39·0	
9·9		59·1	13·7	
9·6	47	22·2	35·0	
9·9		43·7	20·6	
9·0		53·7	19·2	8·0
9·8	48	11·2	44·8	
9·2		12·2	34·6	
8·8	49	5·2	30·6	9·0
9·0		7·7	34·8	9·0
9·4		32·2	58·8	9·5
7·2		41·2	4·0	7·8 GS–g
9·8	50	15·2	47·5	
8·4		24·2	3·2	8·8 G
9·9		26·2	54·5	
9·9		38·9	39·6	
9·0		39·9	16·9	9·5
9·2		54·4	18·4	9·0
8·0	51	28·9	47·8	8·0 G
8·0		31·4	33·4	8·0 G
9·9		40·4	42·4	
9·5		45·4	52·0	
9·9		46·9	26·6	
9·9		59·9	20·2	
8·5	52	24·9	13·8	–
9·8		32·4	43·5	
	+0	54·3	—1·7	

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1081—1140.

mag.	6h.–7h. m s	—34° ′	
9·0	52 40·9	37·2	
8·6	58·9	53·8	8·5
9·9	59·4	44·0	
9·6	53 4·9	45·3	
9·1	27·9	26·4	
9·9	38·9	31·0	9·0
9·8	41·4	6·9	
9·9	53·4	53·1	
8·8	54 9·9	50·9	8·0
9·4	32·9	48·4	
9·0	56·4	10·8	9·5
9·4	55 2·4	42·3	
9·8	13·4	32·4	
9·6	29·9	19·5	
9·9	56 5·2	49·5	
9·2	5·2	45·1	8·5 G
9·8	5·9	24·1	
9·9	21·4	14·2	
8·5	23·4	58·0	8·8
9·2	37·0	30·9	
9·9	45·6	48·1	
9·9	53·5	24·6	
9·9	58·4	24·7	
9·5	57 11·5	7·8	
10·0	15·1	44·5	
8·8	17·2	15·2	
10·0	20·1	51·8	
8·6	30·1	50·4	9·2
10·1	35·1	2·2	
9·2	40·1	43·4	
9·8	57·1	26·7	
9·4	58 11·1	4·2	
9·2	13·1	17·1	
9·4	25·6	14·5	
10·0	26·1	40·0	
9·8	29·1	10·7	
9·8	38·2	35·4	10·0
10·0	45·2	17·2	
8·2	51·2	34·3	8·0
10·0	52·2	5·4	
10·0	56·2	29·3	
9·8	56·7	2·4	
9·8	59 10·2	48·0	
9·7	11·7	44·1	
9·4	14·2	42·3	
8·6	21·2	4·9	8·0 GSg
9·8	30·2	59·9	
8·9	55·2	50·7	9·5
10·0	59·2	11·7	
9·8	0 8·9	57·1	
9·8	33·2	1·3	
10·0	34·2	25·8	
9·6	43·2	42·1	
10·0	48·2	5·6	
9·2	56·7	35·1	9·5 G
9·2	59·2	50·6	
7·3	1 0·2	35·4	6·5 GSg
9·4	6·2	54·9	
9·2	14·2	16·8	
9·5	16·2	56·1	
25pr.	+0 54·6	−2·1	

1141—1200.

mag.	7h. m s	—34° ′	
10·0	1 26·7	24·4	
8·9	29·7	18·5	
9·4	32·2	26·9	
9·0	49·7	32·4	
9·8	53·2	19·3	
9·0	55·2	50·8	9·0
8·2	59·2	32·5	
9·0	2 3·2	9·7	9·5
9·2	10·2	13·1	
9·2	19·2	11·8	9·2
10·0	24·2	7·3	
9·8	38·2	11·1	
9·2	38·7	12·6	
10·0	41·2	4·6	
8·5	44·2	14·6	9·0
9·4	49·7	15·3	9·5
9·4	50·1	55·0	
10·0	55·2	32·2	
8·6	3 1·2	25·6	
9·2	6·7	0·6	
9·0	18·2	44·9	8·5
8·2	20·2	38·5	8·0
9·4	43·2	26·6	
10·0	50·2	28·4	
10·0	52·7	33·9	
10·0	56·2	0·6	
9·4	59·2	56·2	
10·0	4 0·1	52·6	
9·8	10·1	19·6	
9·3	10·2	38·2	9·5
9·5	15·7	6·0	
9·7	29·2	42·4	9·0
9·0	31·7	58·2	9·2
9·8	32·2	26·9	
9·2	5 10·2	6·0	
9·8	19·7	30·2	
8·8	30·2	26·6	
10·0	34·2	31·2	
9·8	6 9·2	20·5	
9·2	15·2	50·2	9·5
10·0	20·1	16·3	
9·3	25·2	38·4	
10·0	25·2	51·8	
9·3	26·2	45·4	9·5
9·4	40·2	38·0	
7·8	41·2	10·9	8·0 G–
9·6	42·7	23·0	
9·0	45·2	22·4	9·5
9·2	45·2	16·0	9·0
9·7	52·2	7·2	
9·2	7 1·2	54·2	
10·0	20·1	12·0	
10·0	39·2	52·2	
8·8	43·2	53·3	9·5
8·9	47·7	2·8	
9·8	8 5·2	29·1	
9·5	5·7	51·4	
9·2	10·2	36·4	9·0
9·3	16·2	51·8	
9·8	19·7	47·4	
	+0 54·7	−2·3	

1201—1260.

mag.	7h. m s	—34° ′	
9·5	8 20·2	41·0	
9·5	22·7	1·0	
9·8	25·2	47·7	
9·2	38·2	36·2	8·5
10·0	41·2	45·3	
10·0	41·2	19·4	
10·0	41·2	6·6	
9·8	41·2	13·3	
10·0	51·2	25·0	
8·9	9 6·2	11·9	
10·0	9·7	23·8	
9·7	17·2	43·0	
9·5	17·7	54·7	
9·7	10 0·2	6·0	
9·5	12·2	22·2	
9·6	20·2	53·2	
8·7	33·7	11·4	9·0
8·9	35·2	47·6	
10·0	39·2	30·0	
9·8	11 0·2	29·9	
9·4	0·9	0·0	
9·8	6·7	28·4	
10·0	7·7	11·2	
10·0	8·2	50·2	
9·6	9·2	6·3	
9·6	10·2	11·8	
9·5	17·2	19·3	
10·0	19·2	49·2	
9·4	21·2	32·4	
8·8	30·2	31·0	9·0
8·5	31·2	6·0	9·0
9·3	43·2	3·4	9·5
10·0	50·2	55·0	
9·8	58·5	52·8	
9·3	12 18·0	10·4	–
10·0	20·0	32·6	
10·0	34·9	26·1	
9·8	39·0	21·6	
10·0	42·9	3·2	
9·6	45·0	54·2	
9·4	45·0	47·2	
9·0	46·0	10·6	
9·2	55·5	57·8	8·5
10·0	58·5	50·8	
9·6	13 0·0	51·8	
10·0	4·0	2·8	
9·8	15·0	55·3	
9·2	21·5	26·0	9·5
9·8	28·9	46·9	
9·8	30·0	6·3	
10·0	36·5	43·6	
10·0	45·0	45·2	
10·0	45·5	23·5	
9·2	53·0	12·9	
7·9	14 33·0	57·4	8·0 G
8·4	41·0	36·8	8·5
10·0	41·5	26·0	
9·5	43·0	27·3	
8·6	45·0	48·4	8·0
8·8	57·4	1·3	
	+0 55·0	−2·6	

1261—1320.

mag.	7h. m s	—34° ′	
9·8	15 1·5	8·2	
10·0	7·5	58·0	
9·0	23·5	50·4	8·5 G
8·4	38·0	51·2	8·0 G
9·0	42·5	46·0	9·0 G
9·4	16 14·5	5·5	9·0 –
9·8	24·5	20·4	
8·8	33·5	1·2	8·0 G–
10·0	35·0	18·4	
10·0	35·5	47·7	
9·4	51·5	36·1	
10·0	57·0	21·0	
8·5	17 15·5	20·0	
10·0	16·5	8·8	
8·9	21·0	7·6	
9·8	26·0	44·0	
10·0	40·3	32·0	
8·8	44·3	57·0	9·0
8·8	58·3	49·8	9·0
8·8	18 0·3	30·8	9·0
9·2	3·3	41·9	
9·8	24·3	21·4	
9·8	39·3	16·5	
8·2	55·3	16·4	8·0 G
9·4	19 2·3	5·3	
9·7	9·3	6·8	
10·0	10·3	13·9	
10·0	18·3	48·5	
9·0	44·3	37·9	
8·4	44·5	2·1	8·2 –
8·4	50·3	6·8	7·5 G–
10·0	20 8·3	21·4	
10·0	20·8	36·0	
9·3	25·8	52·8	9·0
10·0	30·8	8·5	
9·6	34·3	11·1	
10·0	21 8·3	58·1	
10·0	24·3	12·3	
10·0	41·0	5·8	
10·0	44·0	6·2	
9·2	45·1	23·8	9·5
8·0	48·5	55·7	8·0 GS
9·8	49·8	30·1	
10·4	53·3	31·0	
10·5	55·3	14·5	
10·4	58·3	29·0	
10·5	22 1·3	35·7	
8·2	5·3	41·2	
10·3	8·3	21·2	
10·5	16·3	52·4	
7·5	22·8	3·8	6·8 GS–g :
10·5	35·3	6·6	
9·8	41·8	5·8	9·5
9·8	41·8	44·6	
9·8	54·8	37·0	
9·8	55·8	13·3	
9·8	57·1	8·8	
10·2	59·3	25·0	
10·3	23 0·3	19·8	
9·0	20·3	38·2	G
	+0 55·2	−2·9	

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1321—1380.

mag.	7h. m	s	−34° ′	
10·4	23	21·3	55·1	
10·5		26·8	48·0	
10·5		29·2	50·4	
9·6		31·3	14·1	
9·6		31·3	10·8	
9·8		43·5	1·5	9·0
10·5		45·3	44·0	
9·8		47·4	57·2	
9·0		47·8	17·9	9·5
10·3		49·2	24·2	
9·8		49·8	53·3	
9·8		50·3	4·7	
10·2		50·3	1·5	
10·1		51·3	7·4	
9·2		58·3	4·6	9·5
10·5	24	0·3	7·1	
9·8		20·3	44·1	
7·2		20·3	39·6	GSg
10·2		25·3	6·3	
10·5		37·8	28·1	
9·8		41·3	45·3	
10·5		49·3	51·4	
10·5		50·3	27·2	
10·2		56·3	47·0	
10·5	25	9·2	24·8	
10·3		10·3	20·8	
10·5		15·3	32·9	
10·0		20·3	20·4	
10·4		24·3	33·0	
10·4		31·3	19·1	
10·5		32·3	54·6	
9·4		40·3	28·7	
10·0		45·8	8·9	
10·0		49·8	7·8	
10·3		50·3	11·6	
10·5		54·8	44·6	
8·9		58·9	2·6	9·0
9·3	26	2·8	1·1	9·5
10·2		5·3	42·0	
8·6		6·3	42·2	8·5
9·6		9·8	27·8	
9·4		10·3	44·9	9·0
9·8		12·3	20·7	
9·8		15·3	32·2	
10·3		20·3	34·1	
8·2		25·3	43·2	8·0 Gt
10·3		28·6	2·0	
9·8		28·8	10·0	
10·3		29·3	32·0	
9·8		30·3	6·7	
10·0		31·8	31·4	
10·0		35·3	40·1	
10·5		40·3	37·4	
10·0		44·3	7·2	
9·8		48·8	16·0	
10·4		49·3	50·9	
10·2		51·0	0·3	
9·8		53·3	23·4	
9·6		54·3	14·0	
9·0		54·3	27·4	
25pr.	+0	55·4	−3·1	

1381—1440.

mag.	7h. m	s	−34° ′	
9·6	26	56·8	5·7	9·0
10·5	27	0·3	10·2	
10·1		2·3	29·4	
10·4		2·3	7·8	
9·8		6·3	28·0	
9·8		10·3	32·0	
10·0		12·8	27·0	
9·0		22·6	59·8	9·0
10·1		24·3	21·9	
10·2		26·3	43·4	
10·1		30·3	24·4	
10·4		30·3	24·0	
10·1		31·3	37·1	
10·0		31·3	22·2	
9·8		39·8	47·2	
9·6		40·3	9·6	
10·4		45·3	0·7	
10·5		50·3	27·5	
10·0		55·3	21·5	
9·3		57·3	24·2	9·0
10·4	28	6·3	41·9	
9·8		11·3	55·1	
9·2		12·3	24·8	9·5
10·3		14·3	28·0	
9·5		16·3	19·0	9·0 —
10·5		25·3	40·6	
10·5		28·9	57·4	
10·0		36·3	6·2	
10·4		41·3	36·2	
10·4		41·3	49·5	
10·0		43·3	26·8	
9·8		43·3	29·8	
8·9		46·3	46·0	9·0
10·5		48·3	27·7	
10·5		55·3	6·8	
9·8	29	5·9	59·4	
8·8		6·0	19·1	9·5 —
9·6		6·0	17·8	9·5
10·2		8·5	12·8	
10·4		10·0	6·0	
9·3		10·5	56·9	9·5
10·0		12·0	9·7	
9·6		13·5	53·7	
8·8		19·0	44·4	8·5
10·1		19·0	26·6	
10·0		20·0	30·6	
10·5		22·0	17·0	
9·8		28·0	6·4	
9·6		35·5	39·9	
9·6		47·0	53·0	
10·0		52·5	6·2	
9·0		55·5	39·2	9·5
10·4		58·8	31·0	
10·5		59·0	54·6	
10·1	30	0·0	4·9	
9·6		1·0	28·7	
9·8		3·5	8·2	
9·8		4·5	35·3	
9·6		9·0	29·2	
9·6		9·5	31·8	
	+0	55·6	−3·2	

1441—1500.

mag.	7h. m	s	−34° ′	
9·8	30	12·0	6·7	
10·5		14·0	15·0	
10·5		19·0	54·2	
10·1		20·0	47·8	
10·4		24·5	27·4	
10·4		25·8	52·2	
10·3		26·5	3·6	
9·2		34·5	44·8	
10·0		35·0	22·6	
10·0		40·0	27·7	
10·3		41·0	12·4	
10·4		43·0	51·2	
9·6		47·0	36·8	
9·8		47·0	31·0	
10·1	31	4·5	9·4	
10·0		6·0	45·0	
10·4		9·0	36·7	
10·4		11·0	52·4	
9·5		13·0	58·7	9·5
10·1		14·5	26·8	
10·1		20·0	4·8	
8·6		20·0	8·8	=
10·5		24·5	17·8	
9·2		27·2	59·3	9·5
10·3		38·0	13·9	
10·5		39·0	50·2	
10·4		49·0	37·6	
10·4		50·0	19·6	
10·5		54·5	58·6	
10·1		55·5	40·5	
10·3		56·0	0·2	
10·3	32	1·0	30·5	
9·8		1·0	9·5	
9·3		2·0	8·5	
10·3		5·0	44·4	
9·8		6·5	44·1	
9·5		10·0	0·2	9·2 G
9·5		13·0	49·3	9·0
10·5		15·5	48·8	
10·5		22·0	30·8	
10·5		23·8	59·4	
9·2		24·5	0·8	9·2 G
9·8		29·0	59·8	
9·6		32·5	3·9	
10·4		37·0	19·1	
10·4		42·0	8·6	
4·8		44·5	41·2	4·5 GStπ
9·3		51·0	55·3	
9·8		52·5	35·2	
9·8		56·0	41·0	
10·5	33	0·0	13·0	
10·1		2·0	1·9	
10·3		7·5	39·8	
9·4		8·5	23·1	
8·0		9·0	59·8	7·0 GSg
9·0		17·5	18·0	
10·5		18·0	52·0	
10·0		20·0	8·0	
9·6		20·0	30·8	8·5
10·5		26·0	58·1	
	+0	55·7	−3·3	

1501—1560.

mag.	7h. m	s	−34° ′	
10·3	33	27·0	25·8	
10·2		28·0	17·0	
10·5		28·0	11·6	
9·2		33·7	58·2	9·0
10·1		34·0	7·9	
9·0		37·5	21·8	
7·8		38·0	41·8	8·0 G
10·0		42·5	14·6	
9·0		45·0	22·8	
10·4		48·5	48·8	
10·4		51·0	33·2	
10·2		52·0	36·2	
9·8	34	0·0	57·4	
9·6		0·0	51·1	
10·3		9·0	45·9	
10·3		10·0	45·1	
10·0		11·0	30·0	
10·4		12·5	52·2	
10·5		18·5	35·1	
10·0		19·0	17·9	
9·8		24·0	50·4	
9·5		28·5	35·8	
8·4		40·0	32·1	W
10·5		40·5	49·3	
10·0		41·0	33·0	
10·1		42·0	15·2	
10·5		44·0	49·9	
9·8		48·5	3·7	
10·1		52·0	15·7	
10·1		52·0	58·6	
9·6		55·5	55·8	9·5
9·8	35	1·0	50·0	
8·3		1·0	4·5	8·5
10·5		4·0	8·4	
9·6		9·0	51·4	9·0
10·5		10·0	22·4	
10·2		12·0	49·9	
9·6		15·0	17·2	
9·4		18·0	12·6	
8·9		21·5	30·6	W
10·5		26·5	35·5	
9·4		29·0	37·8	
10·5		31·0	6·8	
10·4		32·5	13·1	
9·6		39·0	49·2	
10·2		41·0	34·2	
9·3		43·0	11·1	9·0
10·3		44·5	47·7	
10·0		45·0	25·2	
9·6		49·0	48·8	
10·2		58·5	51·8	
10·2		59·5	18·2	
10·5	36	0·0	29·0	
10·4		4·5	52·1	
9·2		6·5	19·2	9·0
10·5		10·5	6·0	
9·8		21·5	11·1	
10·4		32·0	27·0	
10·3		47·5	51·8	
9·8		50·0	33·4	
	+0	55·8	−3·4	

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1561—1620.

mag.	7h. m	s	—34° ′	
10.5	36	51.5	15.3	
9.2		57.5	3.8	8.5 G
9.8		59.0	21.7	
9.8	37	0.0	20.7	
10.5		0.4	58.9	
10.0		1.5	9.9	
10.3		2.5	10.1	
9.6		4.0	29.9	
10.3		8.5	11.1	
9.5		16.0	20.9	
9.6		21.0	0.6	
10.4		23.5	5.8	
9.6		24.0	10.0	9.5
10.2		28.0	4.5	
10.0		30.0	3.5	
10.0		39.0	51.5	
9.6		40.0	28.2	
10.2		42.5	34.7	
10.5		50.0	54.9	
9.8		56.0	55.0	
10.0		57.1	47.1	9.5
9.6	38	0.0	17.6	
9.0		4.0	52.0	9.0
9.8		6.8	2.4	
10.1		10.0	19.2	
10.3		14.0	1.4	
10.5		16.0	35.3	
8.8		16.5	34.7	—
10.4		16.5	2.8	
10.5		18.0	51.6	
10.0		31.0	27.6	
9.6		34.5	32.1	
10.0		36.4	1.9	
10.5		40.0	31.2	
10.5		42.0	34.4	
10.1		42.0	25.7	
10.3		44.0	7.0	
9.5		56.0	7.7	
9.8	39	1.0	23.3	
10.5		2.5	35.1	
10.5		2.5	47.5	
10.2		5.0	16.4	
10.2		11.0	27.8	
9.3		12.0	22.5	9.5
9.6		12.5	52.5	9.5
10.4		16.5	19.3	
9.8		23.5	36.8	
10.0		30.5	53.9	
10.5		33.5	26.3	
10.5		33.5	5.9	
10.3		34.0	48.4	
9.6		35.0	21.9	
9.6		37.5	22.2	9.0 —
9.8		38.5	28.9	
10.4		38.5	26.0	
10.0		39.3	59.0	
10.1		42.5	26.3	
10.2		46.2	35.9	
9.6		49.0	19.5	
9.6		49.7	2.1	
25pr.	+0	55.9	−3.5	

1621—1680.

mag.	7h. m	s	—34° ′	
10.2	39	51.0	23.8	
10.3		59.0	24.6	
8.2		59.0	49.9	8.0 G
9.2	40	1.1	58.1	9.2
10.4		5.0	53.2	
10.1		9.5	29.3	
9.8		10.0	33.3	
9.6		10.3	59.6	9.5
10.5		15.0	19.9	
10.5		18.0	23.1	
10.2		21.5	35.0	
10.4		27.0	40.0	
10.5		28.0	11.4	
9.2		29.0	46.2	9.0
10.3		35.0	3.0	
9.2		40.0	3.2	9.0 —
10.1		48.5	14.8	
10.3		58.0	45.1	
10.3		58.5	20.1	
9.8		59.0	24.7	
10.5	41	0.7	59.4	
9.2		4.5	3.9	9.5
9.8		9.5	1.7	
9.8		10.5	53.2	
9.8		16.0	8.2	
10.0		19.0	44.6	
10.4		20.0	4.6	
10.3		22.0	5.9	
10.1		23.5	49.6	
10.0		26.5	37.3	
10.0		26.5	10.1	
10.2		26.5	43.9	
10.3		35.5	30.6	
10.1		41.5	20.7	
10.2		42.5	21.2	
9.8		45.0	0.0	
9.8		49.5	15.1	
10.1		51.5	45.5	
10.5		53.5	4.0	
9.8	42	1.5	12.3	
10.5		2.4	0.0	
9.8		2.5	40.0	
10.2		12.0	24.2	
10.5		13.0	34.3	
10.4		24.0	56.1	
10.4		24.0	25.9	
10.5		25.0	12.9	
9.2		25.0	9.5	9.0 =
8.2		27.2	2.2	8.4 =
9.6		27.5	47.2	
9.6		29.5	40.4	
9.0		30.0	29.5	
10.4		30.0	55.1	
9.8		37.0	8.5	
10.1		38.0	50.9	
10.2		40.0	38.1	
9.6		43.0	23.3	
10.5		49.5	18.9	
9.8		50.0	17.1	
8.6		55.2	1.0	8.6 —
	+0	56.0	−3.6	

1681—1740.

mag.	7h. m	s	—34° ′	
10.3	42	55.5	45.1	
10.5		59.5	47.1	
9.8	43	5.0	48.9	
10.5		5.5	24.0	
9.8		6.0	17.0	
10.3		7.0	18.7	
9.8		8.5	28.0	
10.0		10.1	58.9	
8.5		15.0	31.5	G
9.6		16.5	29.0	
9.6		20.0	11.5	
10.4		22.0	44.3	
10.3		24.0	5.2	
10.3		36.5	1.2	
9.8		40.0	21.0	
10.4		43.5	49.2	
10.2		44.0	32.0	
10.0		44.5	9.4	
9.4		51.5	50.9	
10.3		51.5	57.7	
10.3		52.5	58.1	
10.5		55.5	51.1	
10.5		58.5	44.1	
10.5	44	8.0	23.1	
9.5		12.0	50.4	
9.5		13.0	53.2	9.0
9.8		17.5	9.9	
9.8		20.2	40.7	
9.8		21.5	55.0	
9.6		22.5	32.0	
9.8		22.5	51.2	
10.0		28.0	24.8	
9.6		30.0	10.2	
10.2		30.5	16.3	
9.8		34.5	3.2	
9.8		35.5	43.0	
6.3		35.5	55.9	6.2 GStπ
10.3		41.5	26.0	
9.6		41.5	44.0	
9.6		45.0	24.1	
10.5		50.0	25.3	
10.0		53.5	2.2	
9.6		57.0	18.7	
10.5	45	1.0	56.6	
10.1		1.0	42.6	
10.4		8.5	34.0	
10.0		10.0	1.1	9.0
10.4		10.2	23.9	
10.2		12.0	56.7	
10.4		16.2	35.1	
10.5		18.5	38.6	
9.8		18.5	13.9	
10.5		19.0	10.8	
9.8		19.8	59.0	
7.9		20.0	47.6	7.8 —
10.3		34.5	6.6	
9.2		38.6	33.6	G—
9.0		41.6	17.8	
10.0		43.6	55.2	
10.2		46.6	2.7	
	+0	56.2	−3.7	

1741—1800.

mag.	7h. m	s	—34° ′	
10.5	45	49.6	56.7	
9.6		51.1	46.1	
10.5		53.6	12.0	
10.5	46	0.6	59.2	
9.6		8.6	31.4	
10.1		9.6	41.2	
8.4		14.1	24.0	8.5 G—
8.1		14.6	1.8	8.3 GS=g
9.8		23.6	39.9	
10.2		26.1	10.3	
10.0		27.6	25.3	
10.3		29.1	6.6	
9.2		34.6	11.7	
10.3		39.6	1.0	
9.3		41.1	50.4	
10.3		41.1	48.6	
9.2		42.1	7.0	9.0
9.8		48.6	51.1	
9.8		54.1	37.2	
8.2		55.6	38.2	8.5
9.8		57.6	50.3	
8.6		58.6	18.6	
10.5		58.6	14.4	
9.5	47	0.1	48.8	
10.3		4.6	31.7	
10.3		9.1	23.8	
9.6		13.6	4.0	9.5
10.4		14.1	35.6	
10.2		20.1	10.7	
10.5		23.1	57.0	
9.5		26.4	2.8	
10.4		26.6	15.8	
10.3		27.3	1.6	
9.3		30.1	19.9	
10.4		32.1	44.3	
6.4		35.6	23.4	6.0 GStπ
10.5		47.6	33.5	
10.3		52.6	54.8	
9.8		57.9	34.7	9.0
9.0	48	0.4	11.3	G
9.4		5.4	56.3	
10.2		15.9	46.0	
10.0		29.4	13.7	
9.6		30.4	7.5	9.0 G
7.5		31.9	36.8	7.0 GSg
10.0		34.9	4.4	
10.0		39.9	40.5	
9.8		40.4	3.8	
9.8		45.4	33.5	
9.0		45.9	9.5	9.5
10.2		46.4	47.1	
9.4		54.9	12.0	
9.4		59.9	46.6	
9.8	49	0.6	59.3	
9.3		5.4	46.3	
10.0		30.9	30.7	
10.0		39.9	29.8	
10.2		40.9	7.9	
10.2		48.9	10.4	
9.6		56.9	20.3	
	+0	56.3	−3.8	

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1801—1860.

mag.	7^{h} m s	−34° ′	
9·6	49 58·4	24·6	9·5
7·4	58·9	31·1	6·8 GStπ
10·2	50 6·9	55·1	9·0
9·4	8·4	9·6	
9·0	19·9	59·9	8·8
10·2	19·9	56·9	
9·8	21·9	45·1	
10·0	23·4	23·5	
9·3	33·9	7·3	
10·0	36·4	51·1	
10·0	43·4	58·1	
10·0	50·9	50·7	
10·0	51 4·4	45·5	
10·0	7·9	42·1	
10·2	21·9	48·8	
9·6	27·9	22·8	8·5 –
9·8	31·4	27·3	9·0
10·0	37·4	3·0	9·5 –
9·8	39·9	14·1	
10·2	41·9	49·8	
10·0	48·9	44·0	
10·0	49·9	28·3	
10·2	52 17·9	26·9	
8·0	19·2	2·8	8·0 GS=g
10·2	19·9	17·5	
8·2	27·4	53·0	8·0 –
9·1	38·4	34·6	8·5
9·3	41·9	35·1	9·0
9·0	44·4	3·6	9·0
10·2	44·9	31·1	
10·2	45·9	52·9	
10·2	45·9	17·2	
9·4	46·9	36·1	
9·6	48·4	36·4	
9·3	53·9	34·1	
9·6	57·9	8·1	
8·6	53 2·9	27·8	9·0
8·8	4·9	28·8	9·0
8·8	6·4	35·5	7·8 G–
10·2	11·4	22·8	
10·2	21·0	59·1	
10·2	29·9	39·1	
10·2	49·9	6·1	
10·2	50·9	17·7	
9·4	52·9	30·1	
8·6	54·9	17·0	9·0
10·2	56·4	30·5	
8·2	57·9	36·7	8·5 –
10·2	57·9	30·8	
10·2	58·9	29·3	
10·0	54 0·4	21·9	
9·6	2·9	39·2	
10·0	4·4	42·0	
10·0	4·9	1·3	
10·2	7·4	45·8	
10·2	7·9	16·0	
9·4	9·4	31·0	
9·4	11·4	19·8	9·5
9·6	11·9	43·1	
9·2	11·9	6·1	
25pr.	+0 56·5	−4·0	

1861—1920.

mag.	7^{h} m s	−34° ′	
9·0	54 17·5	2·1	10·0
8·4	21·9	58·0	8·6 G–
9·8	25·4	41·3	
10·2	34·9	42·1	
9·6	41·9	42·1	
10·0	44·9	29·5	
10·2	59·4	32·3	
10·2	55 0·8	42·5	
10·2	1·1	59·6	
10·2	10·9	18·7	
9·8	12·4	11·2	
9·8	14·9	5·7	
9·8	20·4	25·2	
9·6	20·4	45·1	
9·3	25·6	56·5	9·0 G
10·2	30·4	31·9	
10·2	30·9	3·9	
10·0	31·9	12·7	
10·2	38·4	55·7	
9·4	38·9	18·6	
10·0	38·9	9·1	
10·2	39·4	2·9	
9·0	43·1	59·3	9·0 G–
9·1	44·4	44·1	
9·8	45·9	21·7	
9·8	48·9	25·8	
10·2	51·4	17·3	
9·6	59·9	20·3	
10·2	56 3·9	15·6	
9·6	4·9	27·9	
10·2	9·9	48·3	
9·8	15·9	25·7	
7·8	26·4	18·7	8·5 –
9·4	35·4	15·0	
9·8	40·5	1·0	9·0
9·0	43·4	4·0	8·5
9·6	44·9	16·5	
8·7	45·4	14·1	9·0
9·3	48·9	41·4	
9·3	49·9	39·3	
10·2	51·9	8·5	
10·2	54·4	46·1	
7·7	54·9	20·7	8·0 G
10·0	55·9	52·7	
9·6	57·9	3·1	
8·5	57 1·9	8·3	9·0
10·2	1·9	6·7	
10·2	2·4	42·9	
9·6	2·9	9·1	
10·2	13·9	49·1	
9·8	14·9	51·3	
8·1	15·9	57·4	8·0 –
10·0	17·4	24·1	
8·8	19·9	48·1	8·5
10·2	32·4	47·1	
9·0	34·9	16·8	
8·8	36·4	4·6	
9·6	36·9	1·7	
8·8	41·9	13·0	
10·0	47·9	31·9	
	+0 56·7	−4·1	

1921—1980.

mag.	7^{h}–8^{h} m s	−34° ′	
8·8	57 50·9	39·3	
10·2	51·4	29·3	
9·4	57·9	47·5	
10·2	59·9	50·8	
9·6	58 3·4	7·3	
8·4	4·9	11·8	7·5 G–
9·6	5·9	4·1	
10·2	5·9	29·0	
10·2	6·9	10·0	
9·3	7·6	58·7	
10·2	9·9	56·9	
9·0	11·9	12·0	9·0
10·0	11·9	1·9	
10·2	11·9	6·7	–
10·2	13·9	33·1	
10·2	16·4	24·1	
10·2	16·4	5·1	
10·0	18·9	7·8	
10·2	19·9	15·1	
10·2	22·4	35·3	
8·4	23·4	44·1	8·0 G–
10·2	23·9	17·6	
8·4	25·6	1·5	8·8 –
9·6	25·9	31·0	
10·0	26·9	59·7	
10·2	28·4	56·1	
10·0	32·4	0·7	
10·2	35·4	13·7	
10·2	36·2	3·3	
9·1	37·9	22·4	–
10·2	39·4	3·1	
9·8	40·9	38·7	
9·0	42·4	32·3	
9·8	42·7	15·4	
10·2	44·9	3·2	
8·8	59 0·9	14·3	
9·8	6·4	49·6	
9·3	6·4	35·2	
10·2	8·4	57·3	
9·8	10·4	45·0	
10·2	11·9	47·0	
10·2	13·4	44·1	
10·2	19·9	55·3	
9·8	23·4	47·0	
9·6	28·9	12·5	
10·2	30·9	0·1	
9·4	34·9	38·5	
10·0	39·9	34·7	
9·8	39·9	42·0	
9·8	41·4	45·5	
9·8	42·9	42·0	
10·2	49·6	59·9	
9·4	54·9	34·3	9·0
7·9	55·4	32·5	8·2 G–
9·6	0 2·9	42·0	
10·2	4·4	28·1	
10·2	11·9	43·2	
9·2	19·4	27·3	9·5
10·2	24·9	30·1	
10·2	25·4	4·6	
	+0 56·8	−4·1	

1981—2040.

mag.	8^{h} m s	−34° ′	
10·0	0 28·4	28·4	
10·2	32·4	37·9	
10·2	35·4	49·2	
9·6	37·4	16·2	
10·2	39·9	37·3	
8·7	43·4	20·0	9·0
10·2	47·9	5·6	
9·6	54·9	5·3	
9·8	54·9	27·4	
8·5	55·9	33·3	8·5
10·2	1 0·4	22·0	
10·2	4·9	3·9	
10·2	8·4	51·7	
8·1	18·4	23·8	8·5 –
9·4	19·4	24·5	
10·2	20·9	20·3	
10·0	28·4	51·2	
10·0	29·9	43·2	
9·6	31·1	58·2	
10·2	31·4	40·2	
10·2	31·9	48·6	
9·8	31·9	43·3	
9·8	38·9	3·0	
10·2	39·9	27·3	
10·2	42·9	34·7	
9·1	44·4	39·9	9·0
10·0	45·4	36·1	
10·2	48·9	55·2	
10·2	48·9	37·3	
9·8	52·9	4·6	
10·2	57·4	39·1	
9·8	2 2·4	57·4	
10·0	9·9	12·8	
9·4	11·4	38·2	
9·8	18·4	10·8	
9·8	19·4	41·0	
10·2	20·9	26·6	
9·8	33·4	4·1	
9·8	40·3	32·0	
10·0	42·4	23·8	
10·2	43·4	6·4	
9·8	49·4	44·1	
10·2	52·9	27·9	
10·2	53·4	4·4	
9·3	3 3·4	38·1	
10·0	4·9	4·9	
10·2	9·9	6·1	
7·7	16·4	50·9	7·5 GSct
10·2	21·9	5·2	
10·2	27·9	19·3	
10·2	29·4	42·8	
9·0	29·9	15·1	9·5
10·0	34·9	36·3	
9·8	35·4	4·6	
10·2	37·9	39·8	
9·4	40·9	17·1	9·5
9·6	41·9	10·1	
10·2	44·4	45·0	
10·2	44·4	12·6	
9·6	51·4	13·0	
	+0 57·0	−4·2	

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2041—2100.

mag.	8h. m	s	—34° ′	
10.2	3	58.4	48.7	
9.2	4	1.4	4.1	
10.2		9.9	41.1	
10.2		10.9	6.4	
10.2		18.9	27.8	
10.2		29.9	45.7	
10.2		29.9	26.8	
10.0		35.4	28.1	
9.6		40.4	39.0	
9.4		41.9	24.0	
9.3		41.9	16.1	9.5
8.7		42.9	42.9	8.5 –
9.8		48.9	53.4	
10.2		48.9	30.5	
10.2		51.4	31.7	
10.2		51.4	39.9	
9.8		51.4	33.6	
9.8		51.9	52.1	
10.0		55.9	10.6	
10.2		59.4	49.1	
10.0	5	1.9	9.0	
9.4		3.4	45.2	9.0
9.8		7.9	52.8	
9.6		8.4	11.1	
9.8		10.1	1.3	
9.0		11.9	8.4	9.0
9.6		11.9	11.2	9.5
9.8		13.9	18.2	
9.8		13.9	22.3	
10.2		16.4	40.4	
10.0		18.4	19.2	
10.0		19.6	32.6	
10.0		20.1	49.7	
9.6		20.6	14.0	
9.0		25.1	38.3	
10.2		25.6	28.9	
9.4		27.6	0.2	
9.8		29.6	27.3	
10.2		36.1	40.9	
10.2		43.6	28.3	
9.8		44.6	24.4	
10.0		50.6	15.1	
10.0		54.1	55.5	
8.8		55.1	36.9	8.5
10.0		56.8	57.7	
9.4		57.1	21.3	8.0
8.4		59.6	33.0	8.8 G–
9.8	6	1.1	30.3	
10.0		8.6	19.5	
9.4		10.6	44.6	
8.5		20.1	31.0	8.5 –
9.8		24.6	43.1	
10.0		25.1	7.1	
9.6		28.6	3.1	
10.2		28.6	28.3	
10.2		29.6	30.3	
10.0		34.1	31.6	
9.0		35.3	2.5	
10.2		42.6	22.9	
10.2		50.6	23.1	
25pr.	+0	57.1	−4.3	

2101—2160.

mag.	8h. m	s	—34° ′	
9.2	6	54.6	54.7	9.0
10.2		59.6	59.9	
10.2	7	3.1	4.1	
9.6		13.6	42.1	
9.4		14.6	34.5	
10.2		18.1	46.1	
10.2		23.1	19.1	
9.0		24.1	51.4	9.2
9.8		25.1	48.1	
10.2		27.1	28.5	
10.2		27.6	33.9	
10.0		28.6	0.3	
9.0		30.6	49.0	8.5
8.6		33.1	6.9	9.5 –
8.8		37.1	41.4	9.0 –
10.2		41.6	32.6	
10.0		44.1	31.6	
10.2		47.1	33.8	
10.0		47.1	45.5	
9.8		51.6	46.3	
10.2		53.6	55.9	
10.0		55.1	44.1	
9.8		56.6	43.2	
10.2		59.6	25.2	
9.1	8	9.1	35.8	
8.8		9.6	46.5	8.5
8.8		15.6	12.1	7.8 G–
10.2		18.6	52.2	
9.8		19.1	4.1	
10.2		34.1	7.9	
10.2		37.6	10.9	
8.4		39.3	59.7	8.7 G
10.0		42.1	38.2	
9.8		43.6	5.0	
9.0		47.6	6.1	
10.0		54.1	57.8	
10.2		54.6	6.6	
9.4		56.6	20.0	
10.2		58.6	48.9	
8.1		59.6	21.6	–
10.2	9	3.6	1.3	
7.7		4.6	49.8	7.5 G–
9.0		4.6	23.9	
10.2		10.6	1.2	
10.2		11.1	25.1	
10.2		19.6	28.9	
8.7		23.6	24.9	
10.2		28.1	30.2	
10.2		31.6	1.1	
9.3		32.1	26.3	
9.8		36.6	46.3	
10.0		40.6	51.3	
10.0		43.1	11.2	
10.2		48.1	59.9	
10.2		51.1	49.2	
10.0		53.6	3.8	
10.0		57.6	43.5	
10.2	10	2.6	43.1	
9.8		5.6	23.6	
10.2		14.6	41.0	
	+0	57.3	−4.5	

2161—2220.

mag.	8h. m	s	—34° ′	
10.0	10	15.6	31.0	
10.2		16.6	46.4	
10.2		17.6	58.8	
10.0		19.1	46.2	
9.0		19.6	34.0	
9.8		19.6	10.6	
9.1		24.1	15.3	9.5
9.0		25.6	17.0	8.5 –
10.0		27.6	22.2	
10.2		29.1	57.4	
10.0		32.6	29.3	
10.0		39.6	29.9	
9.4		41.6	55.0	
10.2		49.1	17.2	
9.6		51.1	1.5	
10.0		52.1	16.0	
9.6		58.3	57.8	
10.2	11	4.6	38.7	
10.2		8.6	16.4	
10.2		10.6	18.6	
10.2		12.1	54.8	
9.8		14.6	24.0	9.5
10.0		15.6	15.0	
10.2		23.5	22.6	
9.8		24.6	26.5	
10.2		25.6	9.7	
10.0		25.6	36.2	
10.2		26.6	44.2	
10.2		27.6	21.0	
9.4		28.1	30.9	
9.3		28.5	26.5	9.5
9.2		29.6	42.7	
10.0		38.6	16.5	
9.8		38.6	49.1	
10.2		41.1	48.8	
10.2		45.6	0.4	
10.2		47.6	4.8	
10.0		48.6	10.1	
10.2		57.6	17.8	
10.0		59.1	28.8	
8.8	12	5.6	15.3	
8.4		8.1	28.4	9.0 –
10.2		11.8	34.0	
9.4		13.6	52.5	9.5
10.2		15.8	50.1	
10.2		16.8	56.7	
9.8		17.2	23.9	
7.7		17.2	6.8	7.5
9.8		25.4	44.9	
10.2		25.4	49.1	
10.2		25.6	6.2	
10.2		27.6	9.4	
10.2		28.1	1.0	
10.2		30.2	31.1	
10.2		33.4	50.7	
9.3		41.1	18.4	
8.8		43.7	47.0	8.5
10.2		49.8	49.9	
10.8		52.9	2.8	
10.4		53.7	53.5	
	+0	57.5	−4.5	

2221—2280.

mag.	8h. m	s	—34° ′	
10.4	12	59.8	11.5	
10.8	13	0.3	26.1	
9.6		0.8	32.5	
10.8		5.4	12.0	
10.8		8.3	23.1	
10.4		10.3	14.8	
10.6		10.8	54.1	
10.7		13.3	18.5	
10.4		17.3	24.1	–
10.8		22.0	56.6	
9.4		22.8	44.1	
9.0		31.8	32.5	
10.7		32.3	51.7	
10.6		40.3	0.1	
10.4		47.8	1.9	
10.4		48.8	26.9	
10.7		49.3	38.3	
9.8		54.8	51.8	
10.8	14	8.8	31.0	
10.8		10.3	25.3	
10.0		12.8	1.1	
9.8		12.9	57.5	
10.2		15.3	24.3	
9.4		15.8	49.9	
10.8		17.5	55.3	
10.7		19.8	40.9	
9.6		24.3	7.9	
9.8		31.3	40.5	
10.6		34.8	4.5	
10.4		35.8	5.1	
7.1		40.8	11.9	7.0 GS=g
10.0		50.8	23.1	
10.7		50.8	57.5	
10.6		52.8	42.5	
10.0		55.8	6.9	
9.6		56.3	42.0	
7.6		58.3	55.5	8.0 –
10.7		58.8	39.3	
10.2	15	1.8	40.3	
10.7		3.3	21.1	
10.2		4.3	32.7	
10.8		10.8	41.9	
9.0		11.1	1.8	9.0
9.4		11.8	1.6	9.0
10.8		11.8	41.9	
10.0		17.3	13.5	
10.2		19.8	55.7	
10.2		21.8	7.0	
10.2		22.3	39.8	
9.0		26.3	22.3	
10.8		28.8	59.7	
8.6		32.8	3.7	8.5
9.6		35.8	51.8	
9.2		36.8	57.9	
10.8		36.8	37.8	
10.8		40.8	44.1	
8.3		41.8	6.5	9.0
10.8		41.8	14.5	
10.4		45.8	45.5	
9.8		45.8	4.3	
	+0	57.7	−4.6	

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2281—2340.

mag.	8h. m s	−34° ′	
10·2	15 51·3	19·7	
10·7	54·8	10·2	
10·8	57·8	56·0	
10·8	16 4·3	35·7	
9·6	6·3	19·5	
10·4	9·8	0·5	
10·0	12·8	31·9	
10·8	13·8	51·9	
9·4	14·0	1·6	
9·6	14·8	16·9	8·5
9·6	15·8	19·5	
10·7	16·3	5·9	
9·8	16·8	20·4	
9·8	16·8	23·9	
9·8	16·8	25·9	
8·2	19·8	29·7	8·5 –
10·0	21·3	54·5	
10·4	22·8	49·8	
10·6	28·3	43·9	
10·4	29·8	40·3	
10·8	30·3	29·9	
10·8	31·8	29·0	
8·8	34·8	4·6	9·5 –
10·8	41·0	58·7	
10·8	41·3	34·0	
10·7	42·3	5·8	
10·4	44·3	14·9	
10·6	45·8	37·0	
10·7	45·8	8·9	
10·8	52·8	38·7	
9·8	53·8	35·6	
10·8	55·8	40·1	
10·0	57·8	7·0	
10·2	58·8	8·1	
10·4	58·8	47·0	
10·2	59·3	5·0	
10·8	17 0·8	42·5	
9·2	3·3	46·1	9·0
10·8	3·8	48·0	
10·4	5·3	50·0	
10·0	8·8	15·8	9·5
10·6	10·3	48·1	
10·0	10·8	19·1	
10·4	20·3	43·1	
10·2	20·8	32·9	
10·4	26·3	28·5	
10·2	28·3	53·5	
10·6	28·8	34·0	
10·0	29·8	40·1	
9·8	30·8	33·6	
9·4	33·8	21·1	
10·8	39·3	34·9	
10·8	40·3	22·6	
10·6	41·3	20·6	
10·0	43·8	29·7	
10·6	45·8	39·6	
10·0	46·8	20·8	
10·6	47·8	47·0	
10·8	52·2	23·6	
10·6	54·7	28·9	
25pr.	+0 57·8	−4·7	

2341—2400.

mag.	8h. m s	−34° ′	
10·0	17 55·0	1·4	
10·8	55·7	49·4	
10·8	59·7	39·2	
10·2	18 0·7	4·0	
10·0	4·2	33·2	
10·8	5·2	3·0	
10·0	5·7	57·8	
10·6	7·2	9·2	
10·4	8·7	7·0	
10·2	10·7	5·0	
10·2	12·3	58·0	
10·4	13·2	40·8	
10·2	13·7	7·6	
8·4	14·7	33·7	8·5 –
10·4	15·7	11·8	
9·8	20·7	31·4	
9·8	21·7	45·6	
8·4	22·2	16·7	8·5
10·8	23·7	9·2	
9·4	28·7	40·2	
10·0	39·7	41·7	
9·4	43·7	7·0	
10·7	44·2	13·4	
10·7	46·2	14·0	
9·8	48·2	39·6	
10·4	48·7	12·0	
10·4	50·7	24·6	
10·0	50·7	36·0	
10·6	50·7	39·8	
10·8	51·7	52·2	
10·8	56·7	7·0	
10·6	59·5	33·0	
10·7	19 0·5	12·8	
10·8	0·5	29·8	
10·6	8·5	39·8	
10·8	10·0	18·0	
10·6	10·5	21·0	
9·8	10·8	1·0	
10·8	14·0	9·5	
8·2	16·5	33·8	8·2 G–
10·8	17·5	44·3	
10·6	20·0	30·6	
10·8	20·5	14·8	
10·7	22·0	28·8	
10·0	22·0	54·4	
10·6	22·5	14·6	
10·6	26·5	31·8	
10·0	26·5	50·2	
8·7	27·0	46·7	
10·0	27·5	54·2	
10·8	29·0	14·2	
10·8	29·3	57·7	
10·4	31·5	33·8	
9·8	32·5	57·4	
10·8	36·0	18·7	
10·8	36·5	10·4	
10·8	40·5	28·2	
9·0	40·5	34·8	9·0
10·2	50·5	37·7	
10·8	52·5	8·3	
	+0 57·9	−4·8	

2401—2460.

mag.	8h. m s	−34° ′	
10·8	19 53·5	15·8	
10·8	56·5	5·6	
10·0	57·5	41·6	
10·8	58·5	6·4	
10·2	20 0·4	0·4	
10·7	0·4	32·0	
8·9	0·5	25·5	9·0
10·8	1·4	7·4	
10·4	1·9	37·6	
9·4	4·9	19·2	
10·8	10·4	11·6	
10·2	11·4	34·4	
10·7	16·4	39·9	
9·8	20·4	40·8	
9·8	21·9	23·8	
10·8	23·9	15·2	
10·8	24·2	34·6	
10·4	30·4	32·0	
10·2	30·4	35·0	
10·7	30·4	25·6	
10·0	32·4	51·0	
10·2	32·4	46·1	
10·4	33·4	13·3	
10·6	33·4	42·0	
10·7	34·3	58·1	
10·0	35·4	23·2	
10·6	35·9	4·8	
10·8	36·4	53·5	
10·6	37·4	25·8	
10·6	39·4	48·1	9·0
10·4	40·9	35·2	
9·6	41·1	58·8	
10·8	42·4	27·6	
10·6	46·4	56·0	
10·6	47·4	22·5	
10·7	49·4	51·8	
10·4	50·4	2·6	
8·8	52·4	21·1	9·0 –
10·2	52·4	45·2	
9·4	55·4	25·2	9·0
10·2	59·4	18·0	
10·0	21 0·4	10·2	
10·8	0·4	23·1	
10·7	0·4	3·7	
10·0	0·4	5·2	
10·6	0·9	6·4	
10·4	1·9	59·0	
10·4	6·9	52·8	
10·7	8·4	5·9	
10·8	10·4	50·2	
10·6	10·4	54·8	
10·4	10·9	51·2	
10·8	11·4	29·0	
10·6	14·9	3·8	
10·8	15·4	11·0	
10·6	18·4	45·3	
10·8	20·4	35·9	
10·2	20·4	36·4	
10·2	23·9	54·6	
10·2	24·4	39·6	
	+0 58·1	−4·8	

2461—2520.

mag.	8h. m s	−34° ′	
10·6	21 25·4	0·4	
10·8	29·4	6·0	
9·4	32·4	19·8	
10·4	33·9	39·4	
10·0	36·9	2·0	
8·9	38·9	13·8	9·0
10·7	39·4	41·0	
8·6	40·4	14·2	8·5
10·8	45·3	49·3	
10·8	46·3	44·7	
9·6	46·4	28·8	
10·4	52·3	53·1	
10·2	55·8	8·8	
8·2	57·8	11·2	8·2 G=
10·6	58·3	14·1	
10·6	59·0	39·3	
10·8	59·8	52·2	
10·2	22 0·3	33·5	
10·4	0·8	12·3	
10·8	1·8	9·8	
10·6	3·3	11·0	
10·0	9·8	32·0	
10·4	11·3	45·6	
10·7	11·3	43·8	
10·8	12·3	44·0	
10·2	17·8	53·9	
10·7	24·3	1·8	
10·4	25·3	9·6	
8·8	29·8	17·2	7·8 G–
10·8	35·8	23·5	
9·3	41·3	52·6	9·5
8·8	42·3	36·9	8·5 W
10·8	42·3	0·0	
10·2	44·8	56·2	
9·2	48·3	6·3	9·0
9·4	49·8	44·0	9·0
9·2	54·3	36·2	9·5
10·2	55·3	19·0	
10·8	56·0	11·6	
10·4	57·3	0·2	
10·7	59·3	35·0	
10·2	23 0·3	6·4	
10·8	2·0	23·9	
10·4	2·3	2·8	
10·0	6·8	11·3	9·0
10·0	7·8	28·5	
5·6	9·7	42·0	6·2 GS–g
10·4	12·2	29·0	
10·2	16·2	58·6	
10·0	19·7	45·6	
10·7	20·7	50·2	
10·8	24·2	26·0	
10·6	24·2	9·8	
10·2	24·5	58·6	
8·4	30·2	45·2	7·7 GS
10·6	32·7	24·6	
10·2	32·7	23·2	
10·6	33·2	4·0	
10·2	36·2	52·0	
10·8	38·7	44·2	
	+0 58·2	−4·9	

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2521—2580.

	8h.		−34°	
mag.	m	s	′	
10·8	23	38·7	48·6	
10·7		40·2	1·5	
10·8		40·2	28·0	
9·8		43·2	18·6	
10·8		45·2	35·6	
10·7		45·2	45·2	
9·8		46·2	54·8	
9·6		46·7	28·8	
10·8		50·2	42·1	
9·8		51·2	5·2	
8·2		51·2	19·0	8·2 G–
10·8		52·2	35·5	
10·7		54·2	43·2	
10·8		55·2	35·5	
10·8		55·7	11·8	
9·0		56·2	8·2	9·2
10·0		56·2	13·0	
10·8		58·7	12·5	
10·2	24	2·7	17·3	
10·8		3·2	58·8	
9·8		3·2	18·2	
9·3		5·2	4·8	9·0
10·8		8·7	5·9	
10·4		8·7	54·8	
10·2		10·1	56·1	
10·7		10·6	33·8	
9·0		11·1	30·1	
10·8		11·1	30·8	
10·4		11·1	23·9	
10·7		15·6	9·6	
9·8		16·1	42·1	
10·8		18·1	47·6	
10·2		19·6	26·2	
10·4		20·6	15·6	
10·8		21·6	29·4	
10·6		22·1	9·1	
10·8		22·1	54·0	
10·6		24·1	53·7	
9·2		24·3	0·6	
9·2		27·6	17·1	
10·2		30·1	58·2	
10·2		30·6	47·6	
9·8		33·1	23·5	
10·8		34·1	12·3	–
8·4		34·1	17·0	8·2 G
10·8		34·6	23·8	
10·0		40·6	0·3	
9·4		41·1	50·7	
10·8		41·1	43·5	
10·6		44·6	37·4	
9·2		46·6	30·8	
10·2		59·1	21·7	
10·7	25	0·1	10·2	
10·0		2·9	59·9	
10·4		5·6	22·0	
9·8		7·6	50·8	
10·7		8·6	29·6	
9·2		8·6	7·2	
10·4		10·6	13·4	
10·4		11·1	12·2	
25pr.	+0	58·2	−4·9	

2581—2640.

	8h.		−34°	
mag.	m	s	′	
10·2	25	15·6	34·4	
9·8		16·1	39·0	
10·1		16·6	45·0	
9·8		18·1	7·0	
10·0		20·1	43·8	
10·4		20·6	52·9	
10·2		21·1	24·8	
9·6		22·1	27·9	
10·6		22·6	9·3	
10·7		29·1	6·9	
9·4		30·1	57·2	
10·7		31·6	52·2	
10·8		32·6	9·5	
10·6		50·1	7·4	
9·2		50·1	29·7	
10·8		50·6	47·4	
10·8		52·1	5·2	
10·4		55·1	30·8	
10·0	26	3·1	32·2	
9·3		3·6	49·6	
9·0		9·6	49·4	9·0 –
9·2		15·1	18·2	
10·0		15·1	18·6	
9·3		15·4	59·9	
10·7		18·1	58·6	
10·0		22·1	59·6	
9·8		25·1	28·7	
10·6		27·1	54·2	
9·6		28·1	48·9	
10·6		29·1	3·1	
10·8		29·1	47·9	
10·2		31·6	21·1	
9·0		38·6	10·1	
10·8		41·1	41·1	
8·4		45·6	46·6	8·5
10·2		50·1	6·0	
9·6		52·2	2·8	
10·8		52·6	56·1	
10·4		53·6	33·0	
10·7	27	6·1	11·8	
10·7		6·6	31·0	
10·7		9·1	14·0	
10·8		13·6	53·2	
9·8		13·6	32·3	
10·8		15·1	27·0	
10·8		19·1	25·9	
9·8		28·6	42·9	
10·4		29·6	40·1	
10·2		30·1	21·6	
10·8		35·1	1·2	
10·7		39·1	7·5	
10·7		39·6	44·0	
10·0		41·1	18·8	
10·7		41·1	22·0	
10·8		42·1	11·0	
9·8		44·1	4·8	
10·8		47·6	53·0	
10·4		53·6	26·9	
10·6		53·7	37·9	
10·8		55·1	46·0	
	+0	58·4	−5·0	

2641—2700.

	8h.		−34°	
mag.	m	s	′	
10·4	27	56·6	31·9	
10·4		57·6	3·3	
10·6	28	4·1	0·6	
7·5		5·1	12·6	7·0 GS=t
10·7		8·6	25·6	
10·2		10·1	17·6	
10·7		19·1	39·6	
9·8		20·6	9·4	
10·8		23·5	58·2	
9·8		25·6	34·6	
7·8		31·1	13·4	8·0 GS
10·8		31·1	25·5	
10·8		32·1	42·0	
10·0		37·6	55·5	
10·0		38·6	41·0	
10·4		43·6	49·4	
10·7		44·6	49·7	
9·0		44·6	0·4	
10·4		45·1	2·9	
10·8		47·1	7·2	
10·6		51·1	51·0	
10·6		51·1	2·8	
10·2		59·6	38·2	
10·6	29	0·1	35·6	
10·8		0·1	11·0	
9·2		2·1	23·3	9·0
10·8		2·6	12·6	
9·8		5·1	31·0	
10·0		6·1	5·9	
10·7		9·6	24·7	
9·2		10·1	55·0	8·5 G
10·8		11·1	30·1	
9·4		11·1	39·4	9·0
10·0		12·1	7·9	
9·8		12·1	36·1	
10·7		15·1	23·0	
9·8		15·6	18·1	9·0
10·0		16·1	3·9	
10·6		18·6	3·6	
10·8		19·1	54·0	
10·8		20·1	16·9	
9·6		22·1	30·8	
10·4		22·6	13·5	
10·4		28·1	43·8	
10·4		33·1	27·2	
10·6		36·6	40·4	
10·8		39·1	46·1	
10·4		41·1	35·2	
10·6		42·1	48·6	
10·7		49·1	19·2	
9·4		50·1	26·9	
10·8		51·1	13·2	
10·8		52·1	56·2	
10·8		54·6	7·2	
10·6		56·1	14·2	
10·6		57·6	6·9	
10·8	30	2·6	2·5	
10·4		3·6	17·9	
9·2		4·1	38·4	9·0
10·8		5·1	2·0	
	+0	58·5	−5·1	

2701—2760.

	8h.		−34°	
mag.	m	s	′	
10·6	30	5·6	40·3	
10·6		6·1	4·1	
10·8		9·3	42·8	
10·4		9·8	55·8	
10·0		9·8	26·0	
10·2		9·8	57·6	
10·4		10·3	48·1	
10·2		10·8	38·9	
10·4		13·3	26·1	
10·4		17·8	28·4	
10·0		17·8	32·3	
10·7		19·3	51·7	
10·2		23·8	49·2	
10·7		28·8	30·1	
10·8		29·8	53·9	
10·7		31·8	15·1	
10·6		33·8	19·6	
10·4		35·3	47·7	
10·4		36·8	1·1	
10·2		37·8	33·0	
10·2		42·8	4·2	
10·0		45·8	42·9	
10·4		47·3	17·9	
10·0		47·3	42·1	
10·7		51·8	3·2	
10·8		56·8	55·5	
10·7		59·3	24·0	
10·6	31	0·8	12·9	
9·4		1·3	35·1	
10·2		1·8	25·3	
10·7		8·8	39·1	
10·8		9·4	59·1	
10·8		9·8	14·2	
10·0		17·8	14·6	
10·4		19·8	2·7	
9·3		23·5	1·9	
10·0		23·5	17·4	
10·8		24·5	21·0	
10·4		28·5	2·9	
10·8		28·5	9·5	
10·6		28·5	29·9	
10·0		29·5	45·0	
10·4		30·0	47·1	
10·8		30·0	22·6	
10·6		30·5	28·7	
10·8		32·0	33·7	
10·7		32·2	47·2	
10·2		35·0	48·9	
10·8		43·0	47·1	
9·4		49·0	46·5	
10·7		50·5	40·7	
10·2		51·0	37·1	
10·4		52·0	20·7	
10·7		55·7	59·2	
10·0		58·5	34·1	
7·9		59·0	39·3	8·0
9·8	32	0·0	48·6	
10·8		0·5	11·9	
10·7		5·5	0·3	
9·3		7·5	13·2	
	+0	58·7	−5·1	

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2761—2820.

mag.	8h. m	s	−34° ′	
10·4	32	10·5	42·7	
10·8		10·5	51·1	
9·8		15·5	27·0	
10·8		18·0	2·3	
10·4		18·0	16·9	
10·4		20·5	42·4	
10·0		20·7	56·9	
10·4		25·0	29·7	
10·2		29·5	5·4	
10·2		31·0	31·0	
10·8		31·5	39·1	
10·4		32·0	46·1	
10·8		35·0	38·9	
9·4		35·0	32·9	
8·4		36·0	53·2	8·5 –
10·4		42·0	5·5	
10·6		42·5	47·7	
9·8		45·5	20·7	
10·8		49·0	43·8	
10·4		50·0	53·1	
10·0		50·7	58·5	
10·6		56·5	37·9	
10·4		56·5	29·9	
8·3		59·5	26·6	8·5
10·0	33	1·0	35·9	
9·6		4·5	21·5	
10·7		4·5	23·7	
10·6		5·5	32·0	
10·7		8·0	12·1	
10·8		10·0	33·9	
10·7		19·5	14·3	
10·8		11·0	53·5	
10·2		15·0	41·5	
10·0		17·0	56·5	
10·2		17·0	40·1	
9·2		18·5	7·1	9·5
9·8		21·2	57·5	
10·8		22·0	3·3	
9·8		24·5	38·8	
10·7		25·0	9·1	
10·7		25·5	4·0	
9·8		34·0	8·3	
9·8		37·0	9·5	
10·8		39·5	5·2	
10·6		41·5	29·7	
9·6		42·0	38·5	
10·8		46·5	17·7	
10·7		47·0	17·7	
10·8		47·0	42·9	
9·8		49·5	1·1	
10·7		51·0	25·1	
9·8		54·0	16·4	
9·8		56·0	29·2	
9·3		58·5	55·9	
10·8		58·5	15·0	
10·8		59·5	4·2	
10·4		59·5	39·9	
10·0	34	1·0	45·3	
10·6		5·0	37·3	
10·0		5·5	10·9	
25pr.	+0	58·8	−5·2	

2821—2880.

mag.	8h. m	s	−34° ′	
10·8	34	21·0	22·9	
10·4		22·5	33·2	
10·6		25·0	32·7	
10·0		25·5	45·0	
10·0		26·0	2·0	
10·4		28·0	0·5	
10·7		28·0	50·2	
10·7		29·0	56·1	
9·8		31·5	48·9	
10·6		31·5	31·1	
10·4		35·0	22·9	
10·0		35·5	1·9	
10·6		39·5	0·6	
10·8		40·5	8·0	
9·8		41·5	30·8	
10·4		42·5	12·5	
10·0		50·0	51·9	
10·8		50·3	17·9	
10·8		50·5	2·0	
9·2		51·5	30·0	
9·3		54·5	45·0	
10·0	35	1·5	25·0	
9·8		2·0	46·1	
10·7		10·5	18·5	
10·8		11·5	4·0	
5·4		12·5	52·0	4·2 GStπ
9·4		13·5	10·4	
10·6		14·4	59·3	
10·6		18·5	44·6	
10·8		25·0	4·6	
9·2		25·5	37·5	9·5
9·3		26·0	40·9	9·5
10·8		27·0	14·5	
10·7		31·5	21·7	
10·4		37·5	1·2	
9·8		39·5	28·8	
10·8		41·2	58·9	
9·4		44·5	9·6	
10·7		48·0	20·8	
10·8		50·5	9·2	
10·4		52·0	26·0	
10·0		53·0	25·6	
9·8		53·5	29·2	
9·6		56·0	32·5	9·0
9·8		59·5	56·1	
10·8	36	2·0	37·8	
10·0		4·5	25·9	
10·0		8·0	54·9	
10·6		15·0	11·8	
10·7		17·5	16·7	
9·4		17·8	0·0	
9·6		18·5	2·7	
10·0		20·5	18·6	
10·2		23·5	16·3	
10·6		26·5	29·7	
10·8		29·5	52·4	
10·2		30·5	3·4	
10·2		34·0	3·5	
9·4		36·0	15·7	
10·8		37·5	12·1	
	+0	58·9	−5·2	

2881—2940.

mag.	8h. m	s	−34° ′	
10·4	36	39·5	12·7	
10·2		39·5	56·1	
10·8		49·5	13·5	
10·0		54·5	23·4	
10·8		57·5	5·1	
10·4		59·5	40·2	
10·4	37	2·5	21·2	
9·8		4·5	11·9	
10·8		18·5	22·0	
10·8		24·5	26·8	
10·8		34·0	59·8	
10·4		35·0	5·3	
10·8		35·5	53·2	
9·6		42·0	4·7	
10·8		49·2	58·7	
9·2		49·7	14·9	9·0
9·2		51·2	17·1	8·0 –
9·6		54·7	41·7	
9·4		57·7	14·8	
10·8	38	9·0	46·8	
10·7		9·5	15·4	
10·2		10·5	3·3	
9·8		12·2	59·5	
9·8		15·0	39·3	
9·6		19·5	25·8	
10·0		26·9	25·2	
10·2		32·9	5·1	
9·8		34·4	20·7	
9·8		35·4	29·6	
9·3		39·4	8·7	9·0
10·0		39·9	46·9	
10·2		41·4	55·3	
10·0		49·9	17·0	
8·8		55·4	11·1	8·5 –
9·6	39	15·9	44·8	
10·0		18·2	58·5	
9·6		21·4	43·1	
10·2		22·4	6·4	
10·2		29·9	16·1	
9·0		34·9	41·2	9·5
9·8		34·9	38·4	
10·2		35·9	38·1	
9·4		40·4	25·9	
10·2		41·4	33·5	
9·4		42·4	58·5	
9·8		43·9	17·1	
9·6		45·9	40·4	
9·6		46·9	11·2	
10·2		50·4	46·7	
10·2		56·4	22·0	
10·2	40	0·4	8·2	
10·0		5·4	49·8	9·5
9·1		12·4	44·2	9·5 –
9·6		15·9	31·1	
10·2		24·2	24·5	
9·6		25·2	38·7	
9·6		32·2	10·2	
9·3		33·7	10·1	8·5 –
9·4		35·7	48·6	
9·1		59·2	49·7	9·5
	+0	59·1	−5·3	

2941—3000.

mag.	8h. m	s	−34° ′	
9·4	40	51·7	19·7	
10·2	41	6·7	23·9	
9·8		7·2	32·2	
10·2		9·7	24·5	
10·0		11·7	48·5	
8·8		13·7	44·2	9·0
9·8		14·2	33·6	
9·8		23·7	26·5	
9·2		31·0	58·9	
9·3		31·2	48·7	
8·8		32·7	31·1	–
9·6		34·7	35·5	
9·8		35·2	52·8	
10·2		38·2	12·8	
7·3		51·2	9·8	GScgt
10·2		51·7	34·7	
9·4		54·7	55·1	
9·6		55·5	57·1	
9·3		58·7	7·1	
9·6	42	5·2	26·0	
9·3		10·0	59·8	8·8 –
10·2		18·7	55·6	9·2
9·6		19·7	25·6	
7·7		25·7	8·4	7·0 GS–g
9·3		28·7	9·0	Gg
9·8		30·2	45·8	
10·2		39·7	54·6	
10·0		40·2	43·0	
9·4		45·5	19·1	
9·8		50·0	3·6	
10·2		55·0	52·3	
10·0		58·5	3·3	
10·2	43	1·5	18·3	
9·8		10·0	13·9	
8·6		11·5	50·8	8·5 –
10·0		12·5	2·3	
9·4		13·5	37·6	
10·0		21·5	20·0	
10·0		22·0	28·4	
10·2		22·5	45·7	
10·2		23·5	52·6	
10·2		31·0	8·2	
9·3		32·5	37·1	
10·2		46·0	2·0	
: 10·2		50·0	12·1	
8·8		56·5	19·2	8·5
10·2		59·0	0·2	
10·2	44	0·0	17·6	
9·6		12·0	26·6	
9·2		14·0	55·9	8·8 G–
9·4		14·0	18·3	
10·2		14·5	6·1	
10·2		20·5	2·1	
10·2		22·5	2·6	
9·8		29·5	12·0	
10·0		29·5	28·2	
? 10·2		30·5	3·1	
9·6		33·5	21·5	
9·4		42·0	23·0	9·0 –
9·6		47·0	39·0	
	+0	59·4	−5·5	

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3001—3060.

mag.	8h. m	s	−34° ′	
10.2	44	50.0	32.0	
9.4		53.5	17.6	
9.6		57.0	6.3	
9.6		59.5	18.0	8.5
9.3	45	0.5	30.2	
9.8		6.5	12.0	
9.8		8.5	56.0	
9.6		10.0	53.4	
10.2		10.0	12.9	
9.4		15.4	56.4	
9.6		17.0	58.0	
10.0		18.5	11.2	
10.2		20.0	12.0	
10.2		21.0	17.3	
9.4		34.0	30.1	
9.6		38.5	29.8	
10.2		40.0	9.9	
10.2		44.0	34.8	
10.2		45.0	7.1	
10.0		49.5	0.0	
10.2		49.5	6.5	
10.2		49.8	32.3	
9.6		50.5	30.0	
10.2		55.0	36.1	
9.6	46	10.5	18.5	
9.6		19.0	18.4	
10.2		23.0	33.8	
10.2		26.5	47.7	
10.2		30.5	19.0	
9.8		31.0	23.8	
10.2		33.5	13.9	.
9.0		39.0	35.1	9.0
10.0		41.0	30.3	
9.4		44.5	19.0	
10.0		45.5	7.1	
9.4		54.5	54.2	–
9.8	47	2.0	17.4	
10.2		5.5	26.1	
9.0		11.0	45.0	=
10.2		12.5	16.0	
10.0		15.5	41.3	
10.0		16.5	53.3	
10.2		18.0	46.5	
10.2		20.0	26.0	
10.2		37.5	44.8	
9.4		41.5	42.1	
8.8		49.5	36.7	9.0
8.8		54.5	34.5	8.5 –
9.6		58.5	40.9	9.0
8.6	48	7.5	46.2	9.0
9.6		17.5	9.0	
9.8		20.0	46.2	
10.2		22.0	44.7	
9.4		26.5	20.7	–
10.2		26.7	42.1	
9.4		29.5	56.2	
9.8		31.5	19.9	
10.2		36.0	2.2	
9.4		45.5	13.5	
9.0		49.5	46.2	
25pr.	+0	59.7	−5.6	

3061—3120.

mag.	8h. m	s	−34° ′	
10.2	48	50.0	1.0	
9.8		54.5	15.6	
8.8	49	3.0	21.0	=
9.6		9.5	17.8	
10.2		19.5	17.0	
9.0		26.0	56.3	9.0 W
9.8		30.0	27.2	
10.2		35.0	0.9	
10.2		41.5	45.1	
10.2		41.5	41.7	
10.0		43.0	39.5	
10.2		43.0	14.3	
10.2		47.5	18.5	
10.2		51.0	22.1	
9.6	50	2.0	46.5	
9.8		2.5	57.5	
9.8		3.0	45.7	
10.2		3.5	13.7	
9.3		6.0	56.7	
10.2		9.0	53.2	
10.0		10.0	19.8	
9.6		15.5	9.7	
9.8		20.5	24.9	
10.0		22.0	25.2	
9.0		23.5	6.3	–
9.8		29.5	53.9	
9.8		33.5	55.5	
9.3		35.5	22.2	
10.2		42.0	52.7	
10.2		44.5	19.7	
9.6		52.0	38.1	
9.8		57.5	38.1	
10.0	51	3.5	41.9	
10.0		11.0	58.5	
9.4		23.0	30.2	9.5
9.4		31.0	13.9	
10.2		37.5	58.4	
10.0		37.5	8.9	
9.0		39.0	30.7	8.5 –
9.8		44.0	44.5	
9.6		52.0	44.1	
9.6		55.5	24.0	9.5
10.2		56.0	33.9	
9.1	52	2.0	24.2	9.0
9.6		3.5	9.1	
9.8		19.5	21.9	
10.2		21.0	46.3	
9.0		23.5	10.4	
10.0		24.5	43.1	
9.8		28.5	36.7	
9.4		30.5	23.0	
8.8		49.0	25.5	–
10.2		50.0	49.5	
9.3		51.0	41.5	
10.2		54.0	48.7	
10.2		58.5	46.6	
9.4	53	0.0	54.6	
9.6		14.0	24.7	
10.2		16.0	54.5	
9.4		20.4	57.3	8.8 G
	+1	0.0	−5.7	

3121—3180.

mag.	8h. m	s	−34° ′	
9.6	53	21.5	41.3	
10.2		31.0	57.2	
10.2		32.5	19.2	
9.8		34.5	15.9	
9.6		40.0	56.1	
9.6		45.0	2.5	
10.2	54	0.0	26.4	
9.6		3.5	4.5	
10.2		10.0	19.1	
9.6		10.5	50.0	9.5
9.8		13.5	4.1	
8.8		16.5	49.4	8.5 G=
10.0		22.7	59.2	
9.6		32.0	8.1	
10.2		32.0	48.9	
10.0		34.0	46.1	
10.2		44.0	15.7	
10.2		44.5	56.2	
9.6		46.0	12.9	
9.6		48.5	15.9	
10.2		59.0	56.3	
9.6	55	0.0	8.5	
10.0		4.0	45.1	
10.2		4.0	56.1	
10.2		18.7	8.1	
10.2		41.7	48.0	
10.2		44.2	15.4	
10.2		44.7	45.8	
8.8		46.2	4.7	8.5 –
9.4		52.5	0.1	9.0 –
9.8		53.2	28.0	
10.2	56	1.7	38.3	
10.2		3.7	46.6	
10.2		3.7	43.7	
10.2		8.7	42.4	
10.2		11.7	14.9	
8.8		24.7	56.3	8.2 G=
10.0		37.2	45.2	
10.2		39.7	16.5	
10.0		53.7	54.4	
10.2		57.7	2.1	
10.2	57	28.2	56.4	
10.2		28.7	24.9	
10.2		30.7	59.9	
10.2		32.2	39.9	
9.0		39.2	19.2	9.0 –
9.2		49.7	25.1	
9.2		50.2	25.8	
10.0		54.7	50.8	
10.2		59.2	12.3	
10.2	58	3.2	30.5	
9.8		3.7	47.2	
9.0		9.3	6.0	
9.8		9.3	22.6	
9.6		9.3	33.2	
10.2		13.8	1.1	
10.2		30.3	23.1	
9.8		30.3	30.0	
9.8		30.8	32.4	
10.0		31.3	59.6	
	+1	0.3	−5.8	

3181—3240.

mag.	8h.–9h. m	s	−34° ′	
10.2	58	34.8	27.1	
10.2		41.8	27.9	
10.2		45.3	49.0	
9.3		49.8	27.3	
10.2		52.3	13.1	
10.0		52.8	43.9	
10.2		59.3	33.3	
10.2	59	1.3	32.8	
10.2		2.3	39.5	
9.4		7.3	42.4	
10.2		9.8	41.3	
8.4		10.3	32.9	–
10.2		11.3	41.1	
10.2		26.3	48.1	
10.2		41.3	27.9	
10.2		41.3	54.6	
9.3		57.3	19.7	9.5
10.2		57.8	20.6	
10.2	0	14.3	59.5	
9.8		15.3	31.1	
10.0		16.8	15.3	
10.2		22.3	47.9	
10.2		29.3	41.5	
9.4		29.8	18.0	9.0 –
10.2		39.3	56.6	
9.8		41.3	51.7	
10.2		41.8	5.5	
8.2		48.1	2.2	8.0 –
9.6		58.5	59.5	
10.2		59.3	55.7	
9.3	1	2.3	45.1	
10.2		8.8	46.2	
10.2		9.3	22.1	
10.0		11.3	23.6	
9.3		16.3	56.1	
9.4		24.7	38.8	
10.0		24.7	13.1	
10.2		29.2	24.9	
10.2		37.2	55.9	
9.8		41.2	34.9	
9.6		51.2	2.8	
10.2		53.2	34.1	
9.2		54.2	19.4	9.5
10.2		57.0	10.5	
9.4		58.7	37.0	
8.8		59.7	17.4	9.0
9.8	2	0.2	6.2	
10.2		0.2	23.8	
10.0		1.2	22.2	
9.2		2.7	26.7	
7.9		7.2	1.1	8.5 S–
10.0		11.2	46.8	
10.2		13.2	40.4	
10.2		20.7	41.8	
9.0		23.2	15.1	
10.2		25.2	47.2	
10.2		27.7	25.3	
10.2		29.2	42.8	
10.0		29.5	57.0	
9.8		31.2	22.5	
	+1	0.6	−5.9	

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3241—3300.

mag.	9h. m	s	–34° ′	
10.2	2	45.8	33.5	
10.2		47.2	43.5	
9.0		49.0	48.5	
10.4		50.8	29.0	
10.8		51.3	7.1	
10.8		58.3	13.6	
10.8	3	6.5	0.0	
9.8		9.3	50.8	
10.8		15.8	35.5	
10.8		16.0	11.0	
10.6		25.8	56.9	
10.0		29.7	28.8	
10.2		30.5	45.0	
10.8		31.3	33.9	
10.8		34.8	2.3	
10.6		37.8	55.9	
10.8		38.3	49.7	
10.6		45.3	19.7	
8.4		46.5	50.6	8.0 =
10.6		52.5	8.4	
8.1		53.3	48.4	8.0 –
10.4	4	0.3	20.8	
8.8		9.3	21.6	9.0
10.6		19.8	18.6	
10.2		21.3	30.6	
10.8		29.3	48.6	
10.6		29.3	6.0	
10.8		31.8	41.1	
10.6		40.3	34.4	
9.8		49.3	56.4	
9.7		59.3	4.7	
10.8	5	1.3	31.2	
9.0		13.3	24.1	
9.6		17.3	50.7	9.0
10.8		19.8	23.1	
10.6		20.3	40.4	
10.8		21.3	32.8	
10.6		21.3	18.2	
9.0		27.3	6.1	9.5
9.3		33.8	51.0	9.0
10.8		35.3	46.6	
10.8		37.3	23.3	
10.4		45.8	42.9	
10.6		49.3	41.0	
10.8		50.8	25.4	
9.0		56.3	54.8	
10.4		58.8	26.9	
8.9		59.8	12.8	8.5 =
10.8	6	0.3	26.8	
10.4		1.3	46.2	
10.4–		7.8	5.4	
10.8		13.3	20.5	
9.3		19.8	36.4	9.0
9.0		25.3	27.1	8.5
10.8		30.0	59.9	
10.8		31.3	6.9	
9.8		32.3	42.2	
10.8		38.8	6.0	
10.2		40.3	35.0	
10.6		49.8	38.0	
25pr.	+1	0.9	–6.0	

3301—3360.

mag.	9h. m	s	–34° ′	
10.2	6	51.0	58.0	
8.7		51.3	26.0	8.5
9.4		57.8	27.1	9.0
9.8	7	2.8	34.6	
10.0		2.8	37.0	
10.8		5.3	40.3	
9.3		18.8	27.5	8.0
10.6		20.0	57.6	
10.6		20.8	50.6	
10.8		30.3	33.0	
9.5		31.3	53.9	
10.4		31.3	29.2	
10.6		32.3	58.9	
10.8		34.3	22.6	
10.8		36.3	52.3	
10.8		36.8	39.6	
9.8		38.3	44.8	
10.8		40.8	11.0	
10.4		49.3	21.8	
10.8		55.3	53.9	
9.8	8	0.3	49.9	
10.8		10.3	25.0	
10.8		11.8	5.8	
10.8		12.3	46.0	
10.8		13.8	20.5	
10.8		16.8	21.0	
9.6		18.4	1.8	
9.5		18.8	55.1	
10.8		18.8	8.6	
10.8		20.3	25.6	
10.4		25.3	44.0	
10.4		26.3	27.2	
10.8		33.8	50.0	
10.8		39.3	39.0	
10.8		41.8	43.6	
10.2		58.8	33.0	
10.4	9	0.3	1.9	
10.8		6.3	38.4	
10.8		11.3	8.3	
10.8		11.3	52.0	
10.6		11.8	20.3	
9.8		12.3	9.6	
10.8		14.3	35.2	
10.4		18.6	58.3	
10.8		20.3	29.8	
9.0		30.3	22.3	8.5 –
9.5		35.3	17.7	
10.6		35.3	1.0	
10.6		37.3	42.3	
9.8		40.3	4.6	
10.8		40.3	40.9	
10.6		41.3	6.0	
10.4		50.3	20.1	
9.8		50.8	18.6	
10.4		51.8	27.8	
10.0	10	0.3	59.8	
10.6		1.3	19.4	
10.6		9.3	5.0	
10.4		9.3	45.4	
10.8		20.3	6.4	
	+1	1.1	–6.1	

3361—3420.

mag.	9h. m	s	–34° ′	
10.0	10	22.3	27.2	
10.6		38.3	26.5	
10.8		39.3	43.1	
9.8		40.3	56.0	9.5
8.7		45.8	55.0	9.0
10.0		48.3	51.0	
10.6		52.3	31.0	
9.2		54.3	11.8	9.0
10.8		59.3	39.8	
10.4	11	0.1	59.3	
9.8		0.3	50.7	
10.0		6.8	4.6	
10.0		7.8	41.0	
9.8		11.8	31.4	9.5
10.8		21.6	57.9	
10.0		21.8	15.0	
10.6		30.3	24.6	
10.8		31.3	3.5	
10.8		35.8	5.0	
10.8		36.3	42.0	
10.0		45.3	17.5	
10.0		48.8	47.0	
10.4		50.3	52.6	
10.6		58.3	1.0	
10.8		58.3	11.0	
10.0	12	2.8	55.8	9.0
10.6		9.3	56.2	
10.0		10.8	38.5	
10.2		15.3	24.3	
10.8		15.8	28.4	
10.8		25.3	4.5	
9.7		32.8	52.9	
10.8		35.8	41.0	
10.4		36.3	24.0	
10.8		40.3	20.0	
8.4		47.3	50.2	8.5 =
10.4		49.8	29.2	
10.0		53.8	21.0	
10.4		56.3	35.6	
10.8	13	15.3	31.6	
10.8		16.8	10.8	
10.8		18.3	36.0	
10.8		24.8	1.7	
10.8		25.3	22.8	
10.8		25.3	25.9	
10.8		30.3	40.0	
10.8		30.8	49.0	
10.8		46.8	10.7	
10.2		50.3	30.9	
9.4		55.5	0.2	8.8
10.8		58.8	48.2	
10.6	14	20.8	12.2	
10.8		22.3	40.4	
10.4		22.3	24.7	
9.8		30.3	20.0	–
10.0		35.3	16.1	
10.2		36.3	56.2	
10.6		44.3	48.2	
10.2		44.3	52.3	
10.6		45.3	52.8	
	+1	1.4	–6.2	

3421—3480.

mag.	9h. m	s	–34° ′	
7.6	14	50.8	58.3	7.3 G
10.8		52.3	25.7	
10.0		59.3	37.7	
10.2	15	2.3	59.9	
10.4		2.8	50.4	
10.8		2.8	53.0	
9.4		5.3	14.8	9.0
10.0		17.8	6.5	
10.4		18.8	21.3	
10.8		20.8	53.1	
10.0		22.8	25.9	
10.8		29.8	55.5	
10.6		31.3	29.7	
10.0		39.3	41.2	
10.6		47.8	21.1	
10.4		50.3	15.5	
10.0		50.8	25.0	
9.8		53.8	31.2	9.5
10.4		54.3	39.8	
9.8	16	1.3	24.8	
7.6		2.3	49.7	8.8 GW–g
10.8		3.8	46.3	
9.7		14.3	54.3	
10.8		20.3	31.2	
10.8		24.3	43.9	
10.4		30.3	50.3	
9.6		44.3	13.1	
10.8		49.8	8.2	
10.8		54.3	45.5	
8.9		55.3	30.8	
9.6		59.3	50.3	9.5
10.2	17	1.3	14.4	
10.6		9.3	13.2	
8.4		12.3	26.6	7.5 G–
10.2		13.8	23.5	
10.6		16.8	2.9	
10.0		18.3	4.8	9.5
10.8		21.3	55.5	
10.8		25.8	30.1	
10.8		35.8	58.4	
7.8		41.8	59.3	8.0 GW–
10.4		42.3	30.2	
10.6		42.8	16.2	
8.1		45.3	20.3	8.0 =
10.8	18	0.3	54.1	
10.8		0.3	28.5	
10.2		0.3	34.1	
10.8		4.3	26.5	
10.2		5.8	45.7	
10.8		7.3	53.1	
10.6		8.3	20.9	
10.6		11.3	12.9	
10.4		14.8	15.1	
10.8		15.8	25.3	
10.4		24.8	47.1	
10.8		34.3	25.7	
10.8		34.8	19.5	
10.8		40.3	4.7	
7.0		40.3	42.7	6.5 GS=g
10.8		40.3	28.1	
	+1	1.8	–6.3	

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3481—3540.

mag.	9h. m s	−34° ′	
10·2	18 41·3	38·1	9·5
10·8	48·8	14·7	
10·4	50·3	56·1	
10·8	19 2·3	3·9	
10·8	6·3	53·9	
10·4	12·3	38·8	
10·0	16·3	56·1	
10·8	25·3	42·7	
10·6	25·3	43·1	
10·6	25·3	11·1	
10·8	25·3	35·3	
10·6	25·3	35·1	
10·8	31·3	25·2	
10·4	35·8	54·7	
10·8	38·3	39·8	
10·8	40·3	42·9	
10·8	41·3	42·9	
10·8	48·8	33·6	
10·0	54·3	7·9	9·8
9·0	20 1·8	7·2	9·5
10·8	7·8	23·6	
10·4	12·3	40·5	
9·4	13·8	20·5	
9·5	14·8	44·0	
10·2	16·3	25·0	
10·0	17·3	53·3	
10·8	18·8	31·1	
10·8	19·8	10·8	
10·8	22·3	7·9	
10·0	26·3	8·9	
10·2	31·3	44·1	
10·0	36·3	50·4	
10·6	38·3	38·1	
10·6	40·3	37·1	
10·4	48·8	41·6	
10·4	52·3	39·5	
10·6	21 0·3	36·3	
10·6	2·3	29·1	
10·2	10·8	39·5	
9·4	12·3	13·2	
8·8	22·8	37·3	–
9·0	24·8	2·5	–
10·0	28·7	59·0	
10·8	29·8	44·1	
10·8	51·3	42·6	
10·0	51·3	21·2	
10·0	54·3	42·3	
10·4	57·3	1·7	
10·8	58·3	19·9	
10·8	22 1·3	21·0	
10·6	2·8	31·0	
10·4	5·3	1·8	
9·0	6·3	52·6	9·5
10·8	14·8	34·9	
9·7	14·8	51·8	9·5
10·0	20·3	46·6	
10·0	24·3	44·9	
10·8	24·8	46·1	
7·2	27·3	27·8	7·0 GSct
10·0	28·3	5·0	
25pr.	+1 2·1	−6·4	

3541—3600.

mag.	9h. m s	−34° ′	
10·8	22 30·3	37·7	
10·6	31·3	50·4	
10·4	33·8	10·3	
10·8	34·5	58·0	
10·6	34·8	8·5	
10·4	41·3	36·1	
10·8	42·8	24·5	
10·8	48·8	20·9	
10·0	51·3	9·1	
10·8	23 0·3	23·5	
7·5	2·3	21·6	7·5 GSg
10·4	5·3	14·0	
10·8	6·3	23·4	
10·8	11·3	40·0	
10·6	21·3	7·8	
9·3	23·8	29·4	9·0
10·4	27·8	51·9	
10·2	28·3	17·8	
10·6	29·8	29·4	
10·6	32·8	9·2	
10·4	36·3	32·4	
8·9	37·4	1·4	
10·4	38·3	59·6	
10·6	40·8	44·4	
10·0	45·8	24·4	
9·4	54·3	39·3	
10·4	57·8	39·7	
10·8	24 1·3	28·9	
9·0	4·3	3·3	
10·2	5·3	4·9	
10·4	12·3	33·3	
10·4	15·3	29·4	
10·8	16·8	3·9	
10·8	25·0	58·5	
10·8	26·5	59·2	
8·5	34·3	47·7	9·0 –
9·3	34·8	21·2	
10·4	36·3	36·4	
10·8	49·5	57·8	
10·2	51·8	27·0	
10·2	56·8	51·6	
10·4	57·8	21·7	
10·8	58·8	58·5	
10·8	25 0·3	33·5	
10·8	5·3	1·9	
10·6	16·0	59·9	
9·8	16·3	19·5	
10·8	22·3	19·8	
10·8	25·3	54·5	
10·4	30·8	18·1	
10·0	34·3	19·0	
10·2	38·8	22·8	
10·0	41·3	44·3	
10·8	50·2	29·3	
10·4	51·8	52·8	
10·2	55·3	22·9	
10·8	26 3·3	28·9	
9·2	11·3	53·5	
10·4	17·8	13·1	
10·0	51·3	35·7	
	+1 2·3	−6·5	

3601—3660.

mag.	9h. m s	−34° ′	
10·2	26 51·8	17·3	
10·6	55·3	38·7	
10·8	59·8	8·9	
10·8	27 0·3	17·1	
10·8	4·8	16·5	
10·8	13·3	15·7	
10·8	15·3	47·8	
10·8	16·3	41·9	
10·2	16·8	46·5	
10·0	19·3	23·0	
10·8	20·3	9·0	
10·0	25·8	35·9	
10·8	27·8	12·9	
10·8	36·3	31·7	
10·0	41·3	38·7	9·5
9·7	45·3	27·7	
10·8	48·8	42·1	
10·8	49·8	32·3	
10·8	50·3	27·9	
9·1	53·3	44·9	–
10·4	53·8	21·7	
10·8	54·3	53·9	
10·2	54·8	20·7	
10·2	28 0·6	17·5	
10·8	0·8	2·1	
10·0	0·9	11·7	
10·4	2·9	20·6	
10·0	6·1	32·9	
9·6	6·3	54·7	
10·8	9·8	26·1	
10·8	12·8	53·1	
9·1	14·4	25·5	
9·4	16·4	34·7	
9·8	19·4	5·9	
9·2	27·9	36·3	
9·8	28·9	10·5	
9·8	36·1	39·8	
9·7	39·9	3·0	
9·0	40·4	54·9	
9·6	29 8·4	42·7	
9·8	9·4	46·0	
9·0	14·9	22·9	
9·8	20·4	54·5	
9·8	42·4	31·8	
9·2	44·4	33·0	
9·8	44·4	22·0	
9·8	30 8·4	13·9	
9·4	13·9	55·3	
9·2	33·2	57·8	
9·2	37·4	17·1	
9·8	48·4	13·1	
9·8	48·9	31·5	
9·7	31 9·7	57·5	
9·4	10·4	50·9	
9·8	16·4	29·7	
9·1	17·4	42·6	
9·8	17·4	29·5	
9·7	30·4	10·7	
9·8	38·9	9·9	
9·8	32 2·9	35·6	
	+1 2·6	−6·6	

3661—3720.

mag.	9h. m s	−34° ′	
9·5	32 10·9	32·1	
9·8	12·9	24·5	
9·4	15·9	43·7	
8·6	16·4	22·9	9·0 =
9·4	30·4	52·5	
9·2	42·4	7·9	
9·8	42·4	50·5	
8·7	47·9	30·7	8·2 –
9·4	54·4	34·1	
9·8	54·4	23·5	
9·8	33 0·4	42·3	
8·8	1·4	52·1	8·2 G–
9·6	2·2	59·2	
9·4	5·4	27·0	
9·8	14·9	15·9	
9·8	15·9	23·5	
9·4	22·9	45·3	
9·4	39·2	43·5	
9·4	56·2	39·0	
9·8	34 17·2	14·3	
9·7	19·7	32·7	
9·8	19·7	7·6	
9·6	26·7	19·7	
9·4	43·7	15·1	
8·6	57·7	36·9	=
9·3	59·7	20·6	
9·0	35 14·7	9·8	
9·6	14·7	49·9	
9·4	15·7	53·8	
9·8	31·7	56·2	
9·8	46·2	10·9	
9·6	50·2	48·9	
9·7	50·2	40·0	
9·5	50·7	38·2	
9·8	51·7	46·2	
9·4	53·2	45·7	
9·0	57·7	55·0	8·5 –
9·6	36 18·2	15·6	
9·0	23·2	40·0	9·0
8·8	23·7	17·4	–
8·8	47·7	16·1	
9·8	51·7	2·5	
9·8	54·7	40·0	
9·0	37 7·7	39·0	9·0
9·6	10·7	6·7	
9·6	18·2	28·9	
7·4	24·7	55·9	6·8 GS–t
9·7	26·7	29·1	
9·6	36·2	22·5	
9·8	38·7	12·0	
9·6	39·7	52·9	
9·8	42·7	46·4	
9·5	52·7	43·9	
9·8	54·7	24·7	
9·8	38 3·2	5·9	
9·2	7·7	41·8	
9·8	7·7	37·9	
9·2	11·7	12·5	
9·7	20·7	1·1	
9·1	31·2	0·6	
	+1 3·3	−6·8	

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3721—3780.

mag.	9h. m	s	—34° ′	
9·8	38	37·2	55·8	
9·0		42·2	30·9	8·5 G–
9·7		45·2	29·1	
9·0		50·7	29·6	
9·8	39	7·7	45·8	
9·4		9·7	31·7	
9·8		32·7	45·1	
9·8		34·2	51·3	
9·8	40	0·7	42·1	
9·8		21·7	39·3	
9·8		23·7	38·4	
9·2		29·7	4·8	8·5 =
9·8		43·7	54·0	
9·8		48·7	53·6	
9·6		50·7	22·5	
9·6		58·7	59·2	
9·4	41	4·7	11·9	
9·8		5·7	45·6	
9·6		11·2	19·3	
9·7		32·7	22·8	
9·8		44·2	44·9	
9·8		47·7	36·4	
9·0		51·7	38·3	
9·4	42	3·2	51·3	
9·6		4·2	0·6	
9·6		8·2	5·1	
9·5		11·2	36·1	
9·8		11·2	25·2	
9·8		12·7	59·2	
9·4		19·7	2·1	
9·7		24·2	44·5	
9·6		28·7	39·3	
9·8		29·2	33·5	
9·0		38·7	32·5	
9·5		47·2	8·1	
9·2	43	19·7	50·7	
9·7		19·7	44·5	
7·7		25·7	26·3	8·5 GS–g
9·7		53·2	59·3	
8·7		53·7	20·9	8·8 =
9·8	44	1·2	50·9	
9·8		1·7	22·1	
9·6		4·7	55·1	
9·8		6·2	17·6	
9·3		9·7	38·5	
9·8		13·7	19·7	
9·4		13·7	0·5	
9·1		14·7	26·8	
9·8		18·7	4·5	
9·8		24·7	3·9	
9·8		29·7	56·7	
9·4		38·7	29·1	
9·8		40·7	22·9	
9·8		48·7	35·3	
9·2		49·7	31·2	
9·8		59·7	31·0	
9·4	45	0·7	14·9	
9·2		1·2	53·1	
9·5		17·3	57·3	
9·8		23·2	0·7	
25pr.	+1	3·8	—6·9	

3781—3840.

mag.	9h. m	s	—34° ′	
9·8	45	33·7	4·3	
9·8		34·7	0·1	
9·6		44·7	58·1	
9·6	46	5·7	48·1	
9·8		13·7	26·4	
9·8		13·7	11·1	
9·6		16·2	22·9	
8·6		22·7	40·8	8·8
9·8		28·7	46·3	
9·2		30·2	18·9	
9·8		38·2	3·2	
9·0		39·7	39·3	9·5
9·8		42·2	58·6	
9·6		42·7	52·4	
9·8		48·2	32·4	
9·7		55·7	52·8	
9·6		57·7	44·5	
8·3	47	1·7	31·3	8·5 –
9·8		1·7	3·5	
9·6		14·7	46·8	
9·5		21·7	25·9	
9·4		30·7	27·5	9·2 G
9·5		38·7	43·1	
9·5		39·7	2·1	
9·3		40·7	46·9	
9·7		44·7	6·4	
9·8		45·7	27·8	
9·8		59·7	33·5	
9·6		59·7	44·5	
9·8	48	4·2	0·4	
9·8		6·2	4·6	
9·8		14·9	30·1	
9·8		15·9	42·3	
9·8		23·2	54·3	
9·8		40·7	16·9	
9·6		47·7	28·1	
8·0	49	9·7	18·9	8·0 GS=g
9·2		23·2	15·1	9·2
9·4		30·7	57·1	
9·8		39·7	6·0	
9·2		57·7	13·4	
9·6	50	16·7	45·7	
9·6		18·7	58·0	
9·2		19·7	51·6	
9·8		33·7	13·0	
9·8		34·2	11·8	
9·4		36·7	34·3	
9·8		46·2	31·2	
9·5	51	3·9	3·1	
9·8		14·2	38·4	
9·8		24·2	10·9	
9·8		32·7	37·4	
8·2		34·7	13·9	8·0 GS=t
9·4		38·7	27·1	
8·0		50·7	29·4	8·5 –
9·6		51·2	3·9	
9·1		58·2	56·6	9·0
9·8		59·7	20·2	
8·9	52	1·5	6·1	
9·6		22·5	48·0	
	+1	4·3	—7·0	

3841—3900.

mag.	9h. m	s	—34° ′	
9·2	52	36·5	42·8	
9·5		46·0	28·6	
9·8		50·0	35·3	
8·8	53	5·0	54·4	
9·8		5·5	6·1	
9·8		11·5	37·2	
9·6		14·8	51·3	
10·6		21·7	31·2	
9·8		39·0	49·0	
10·6		46·6	26·9	
10·4	54	0·0	32·7	
9·4		4·0	15·9	
9·8		9·2	16·8	
10·6		10·5	56·0	
9·4		21·5	45·6	9·0
9·0		24·5	25·2	9·5 –
10·3		27·5	22·0	
7·7		50·0	42·9	8·0 GW=
9·2		59·0	19·3	10·0
10·6	55	9·9	58·4	
9·2		11·0	5·0	
10·6		17·5	40·9	
9·0		43·5	1·9	8·8 =
9·8		53·0	37·7	
10·6		53·5	13·8	
10·6		58·0	35·4	
8·6	56	10·0	14·4	9·5
9·8		10·0	7·9	
9·4		14·0	10·9	
10·6		25·0	0·0	
10·3		30·5	42·3	
10·6		35·0	41·4	
10·0		38·0	39·0	
10·6		38·0	43·1	
9·8		40·0	57·6	
9·4		41·5	21·1	9·0 –
9·4	57	6·0	12·9	
10·6		20·1	44·2	
10·6		22·0	27·5	
9·8		24·0	44·3	
10·3		35·0	10·0	
10·6		40·0	29·0	
9·8		40·5	52·1	9·5
9·4	58	1·0	42·2	
9·4		23·7	1·3	
10·6		26·0	53·3	
8·6		28·3	16·1	8·5 G=
10·6		30·8	47·5	
10·4		34·8	54·0	
10·4		36·8	22·6	
10·2		38·3	30·2	
10·3		47·8	42·7	
9·8	59	4·8	55·0	
10·4		16·3	7·4	
8·6		28·8	32·7	8·0 G=
9·8		38·8	41·1	
10·0		44·8	43·6	
9·8		48·8	12·5	
10·4		51·8	36·1	
10·3		53·3	45·1	
	+1	5·0	—7·2	

3901—3960.

mag.	9h—10h. m	s	—34° ′	
7·2	59	59·3	16·5	7·0 GStπ
10·6	0	4·3	46·1	
9·6		5·8	23·0	
10·6		10·3	59·8	
10·3		17·3	41·6	
10·6		20·3	16·1	
10·6		21·8	58·0	
10·6		27·8	42·1	
10·0		37·8	24·2	
10·4		43·8	38·0	
9·4		48·8	24·6	
10·4		49·8	22·4	9·5
10·3		53·3	1·6	
10·6		55·3	28·3	
10·6		59·8	54·4	
10·6	1	4·8	14·9	
7·8		5·8	34·2	8·5 =
10·0		9·8	16·5	
9·4		10·3	37·7	
9·4		11·8	48·4	
10·6		23·3	29·2	
9·8		23·8	51·7	
10·6		27·8	9·0	
10·6		28·8	41·9	
10·6		31·8	26·5	
9·8		38·3	17·9	
10·6		40·3	31·2	
9·2		44·3	16·1	8·5
9·8		47·8	18·2	9·5
10·0		57·8	35·1	
10·6		58·8	50·2	
10·6	2	8·3	10·5	
8·4		9·8	37·2	9·0
10·2		9·8	43·8	
10·2		13·3	0·0	
10·4		19·8	6·7	
10·0		23·3	38·3	
10·3		24·3	17·7	
10·6		45·3	44·8	
7·6		54·3	24·1	7·5 GS–t
9·4	3	4·8	33·8	
10·0		11·3	6·6	
10·6		26·8	33·0	
8·2		28·3	19·0	8·5 –
10·4		38·8	17·9	
9·6		39·3	11·5	
10·2		39·8	32·2	
10·6		41·3	43·8	
10·6		41·3	41·7	
8·8		41·8	28·2	
10·0		41·8	41·2	
9·8	4	7·8	22·5	
10·6		11·8	11·9	
9·8		14·8	44·7	
10·6		24·3	22·2	
10·0		24·8	2·3	
10·2		32·8	26·1	
9·6		34·3	48·2	
10·3		41·3	22·2	
9·6		43·3	19·8	
	+1	5·5	—7·3	

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3961—4020.

mag.	10h. m s	—34° '	
9.8	4 45.3	32.5	
10.3	50.3	9.9	
10.2	50.3	45.3	
9.8	52.8	56.1	
10.4	52.8	3.8	
9.8	55.8	27.3	
10.3	5 19.3	32.3	
8.6	21.3	11.6	8.5
10.0	22.3	14.3	9.5
9.8	22.8	5.3	
9.8	40.3	7.4	
10.3	40.8	45.4	
10.3	51.8	55.6	
8.0	53.8	10.5	8.0 –
9.0	55.3	33.5	8.5
10.4	56.8	43.9	
10.2	6 4.8	1.9	
10.6	5.8	13.6	
10.6	10.3	19.0	
8.8	17.8	39.2	9.5
10.6	23.8	13.9	
8.1	24.3	42.5	7.0 GS–t
10.0	32.3	41.8	
9.0	38.8	36.8	9.0
10.0	50.3	44.8	
10.3	52.3	26.4	
8.6	55.8	26.9	8.5
10.6	7 4.8	24.2	
8.6	11.3	36.7	9.2
9.4	15.3	47.9	
10.6	15.8	12.5	
10.4	17.3	48.4	
10.3	22.8	18.8	
9.4	28.8	44.4	9.5
10.6	42.3	38.7	
10.6	8 6.4	59.3	
10.6	9.8	32.6	
10.6	19.3	2.6	
10.4	36.3	32.8	
9.8	37.3	11.9	
8.4	54.8	38.0	8.5 –
10.6	9 11.3	23.5	
10.4	14.8	43.1	
8.6	23.8	19.3	8.5 –
10.2	25.8	47.6	
10.6	38.3	27.9	
10.6	47.3	43.4	
10.4	54.8	21.5	
10.4	55.8	55.8	
8.6	10 2.8	51.6	8.0 G–
9.8	12.3	26.1	
10.4	28.3	32.9	
10.3	34.3	10.8	
10.0	35.3	32.1	
10.3	51.8	48.7	
10.6	59.8	10.4	
10.6	11 1.8	34.3	
10.2	3.3	46.7	
10.4	15.3	25.0	
8.8	19.3	47.3	
25pr.	+1 5.9	–7.4	

4021—4080.

mag.	10h. m s	—34° '	
10.2	11 19.3	38.5	
10.2	21.8	34.1	
9.6	23.3	31.7	
10.6	41.3	40.9	
9.2	45.3	4.5	
10.3	49.8	6.8	
9.8	59.8	44.2	
9.6	12 5.8	53.1	
9.0	6.3	14.3	
10.6	12.8	52.4	
9.8	33.8	53.1	
10.6	35.3	48.7	
10.3	37.8	13.0	
10.4	37.8	42.0	
9.8	44.8	33.6	
10.3	53.8	11.6	
9.8	13 13.3	23.6	
10.3	23.3	59.7	
9.8	35.8	20.4	
9.8	36.8	10.8	
10.6	40.8	6.8	
10.0	46.3	22.8	
10.2	56.8	6.0	
9.4	57.3	43.8	
10.0	14 0.3	9.4	
9.8	0.3	22.7	
9.4	8.8	50.0	
10.3	18.8	1.3	
10.4	33.3	14.9	
10.6	41.8	58.0	
10.2	46.3	49.8	
10.6	54.3	6.5	
10.6	55.3	36.4	
10.4	15 3.3	56.5	
10.3	9.8	51.7	
10.3	9.8	32.1	
10.2	16.8	42.4	
10.3	36.3	46.9	
10.6	37.3	54.9	
10.4	38.3	19.4	
9.8	49.3	9.2	
10.6	50.3	59.7	
8.6	51.3	43.8	9.5
9.8	16 14.3	51.8	
10.6	28.8	58.3	
9.0	33.8	32.8	
10.3	42.3	18.8	
10.6	17 10.3	30.6	
9.0	15.3	4.6	
10.3	24.3	18.7	
10.3	29.3	56.0	
10.6	34.3	18.7	
10.3	52.3	2.0	
10.0	58.8	36.6	
8.6	18 3.0	18.8	
10.6	11.7	23.4	
10.6	15.8	47.3	
10.3	30.3	45.6	
10.3	31.6	57.9	
10.3	34.3	33.4	
	+1 6.7	–7.5	

4081—4140.

mag.	10h. m s	—34° '	
10.6	18 40.3	22.7	
10.4	49.5	3.4	
8.7	19 4.7	59.6	9.2 –
10.4	32.0	41.1	
10.4	37.5	43.1	
9.8	40.5	54.7	
10.0	40.5	26.5	
9.4	48.2	6.6	9.5
9.8	20 0.2	13.8	
10.4	1.2	49.0	
10.2	1.2	45.1	
9.6	1.2	56.2	
10.2	2.2	9.6	
9.2	19.7	7.2	
10.4	20.2	17.8	
9.8	23.7	1.6	
10.0	31.2	16.2	
10.4	55.2	15.0	
9.8	57.7	14.7	
9.0	58.2	3.8	8.5
10.0	21 5.7	56.2	
10.0	12.7	38.4	
9.6	14.7	38.2	
10.2	17.7	28.8	
10.2	20.7	19.0	
10.2	42.2	25.6	
9.6	50.2	40.8	
10.2	51.2	6.1	
9.6	54.7	8.6	
9.4	56.7	24.2	
9.8	58.2	26.6	
10.2	59.7	37.8	
9.6	22 3.7	17.7	
9.0	20.2	45.0	
10.4	29.2	43.2	
10.4	32.7	46.3	
10.4	36.2	9.9	
10.0	38.7	41.5	
10.2	40.2	48.2	
10.2	41.2	15.1	
9.6	41.7	47.2	
10.4	42.2	53.7	
9.4	50.2	22.0	
10.0	54.2	2.4	
10.2	23 1.7	43.1	
10.2	5.5	59.1	
10.0	6.2	6.4	
10.2	15.2	51.9	
10.2	15.7	47.2	
9.6	28.7	36.8	
10.0	34.7	40.7	
10.2	36.7	24.0	
8.8	41.2	23.0	9.0
10.0	51.2	46.4	
10.4	57.7	12.0	
10.0	24 13.7	32.9	
9.8	15.7	30.7	
10.0	17.2	3.3	
10.4	22.5	59.3	
10.4	23.7	57.2	
	+1 7.3	–7.6	

4141—4200.

mag.	10h. m s	—34° '	
10.0	24 39.2	34.9	
10.2	41.2	11.8	
10.4	43.2	25.3	
10.0	45.2	27.1	
10.4	54.2	30.9	
10.4	25 1.7	11.0	
9.6	8.2	12.7	
10.4	12.2	55.2	
9.2	19.7	24.4	8.8
10.4	22.2	32.6	
10.2	24.7	6.2	
10.0	30.2	22.2	
8.6	31.2	15.7	9.5
10.0	34.7	55.9	
10.0	35.2	13.9	
9.4	40.2	10.1	9.2
10.0	48.7	36.6	
8.2	51.2	29.1	8.0 GSt?
10.4	55.7	13.5	
9.4	26 1.2	19.7	9.0
10.2	12.2	41.6	
10.4	30.7	45.3	
10.0	51.7	18.6	
10.4	27 13.7	20.8	
9.6	14.2	12.9	
9.8	14.7	57.2	
9.6	29.7	51.2	9.5
10.4	30.2	6.1	
10.4	37.7	47.0	
10.0	40.2	52.3	
10.0	52.2	14.5	
10.0	52.7	9.2	
10.0	55.2	50.2	
10.4	28 1.7	6.7	
10.0	1.7	49.6	
10.4	1.7	16.5	
10.4	3.2	40.0	
9.8	4.7	17.7	
9.6	4.7	26.6	
9.0	6.7	16.6	9.5
10.2	14.7	11.1	
9.0	15.2	20.0	9.0
9.6	19.2	44.1	
9.8	21.2	43.9	
10.2	25.7	52.0	
9.6	32.1	53.5	
10.4	32.6	7.4	
9.5	45.6	44.6	
9.2	29 2.1	45.6	
10.2	11.6	37.2	
8.7	12.1	26.4	8.2
9.0	15.6	37.4	8.5
9.8	39.6	57.7	
10.4	43.6	26.1	
9.0	45.1	13.9	–
9.8	50.1	29.3	
9.0	30 1.1	55.6	9.0 –
10.4	4.1	18.3	
10.4	10.1	40.8	
9.8	15.6	31.0	9.5
	+1 7.8	–7.7	

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4201—4260.

mag.	10h. m	s	—34° ′	
10·0	30	18·1	8·8	
9·6		24·1	15·7	
10·0		29·6	21·8	
10·4		38·1	30·7	
10·4		39·9	59·9	
10·4		50·1	56·7	
10·2		54·6	21·2	
10·0	31	0·1	21·9	
10·2		5·6	0·6	
10·2		12·1	23·3	
9·8		14·6	14·1	
8·8		20·1	3·0	9·0
9·0		20·1	15·4	8·8
10·4		42·1	16·5	
10·4		42·1	52·6	
10·4		44·2	36·8	
9·1		47·6	49·1	
9·0		53·6	14·7	9·2
9·4	32	11·4	29·4	
10·4		11·4	58·5	
10·0		18·9	2·2	
10·0		41·9	39·0	
9·8		42·4	46·9	
10·4		42·9	25·0	
9·6		45·9	40·7	
10·2		59·9	43·9	
10·2	33	0·9	30·0	
10·0		1·4	23·4	
9·6		3·9	17·9	
8·8		19·9	5·4	8·5 —
9·4		20·9	4·5	
10·4		28·9	30·4	
10·2		44·4	46·1	
10·0		53·4	7·7	
10·0	34	2·9	50·4	
10·0		18·9	2·4	
9·6		21·9	28·9	
9·5		24·9	30·8	
9·0		31·9	13·6	9·0
9·5	35	1·9	51·6	
9·1		19·4	45·7	
10·4		28·9	17·8	
10·2		39·9	29·3	
10·2		44·9	52·7	
10·4		45·0	11·6	
10·4		47·4	33·7	
10·0		50·9	22·8	
10·4	36	1·9	54·9	
9·4		2·9	24·1	
10·4		4·9	31·6	
10·4		13·9	22·7	
8·8		15·9	24·8	9·0
10·4		16·9	6·2	
9·6		19·8	30·3	
10·2		20·3	6·7	
9·0		20·3	16·6	9·2
10·4		30·8	46·7	
10·4		32·6	2·1	
10·4		33·3	47·5	
10·2		37·8	3·6	
25pr.	+1	8·3	—7·8	

4261—4320.

mag.	10h. m	s	—34° ′	
10·4	36	39·3	42·0	
9·6		47·3	0·9	
10·2		48·3	46·7	
10·0		49·8	17·6	
9·0		53·8	51·6	
10·4	37	6·8	10·9	
10·4		8·3	22·8	
10·2		10·8	42·4	
10·2		15·8	28·2	
10·4		19·8	53·9	
8·7		22·1	57·7	—
8·4		24·3	20·8	8·0
10·0		40·8	37·6	
10·4		44·8	42·4	
10·4		55·3	31·3	
10·4	38	9·8	55·9	
10·0		9·8	28·0	
10·2		9·8	39·5	
10·4		10·8	49·9	
10·2		12·3	43·5	
9·4		17·3	24·1	
9·8		19·8	41·3	
10·4		30·8	32·8	
10·2		31·3	42·9	
10·2		53·3	41·2	
9·6		59·8	38·6	
7·8	39	5·8	41·3	8·2
9·5		14·8	37·1	
10·0		16·3	10·0	
10·4		18·3	22·6	
9·1		38·8	3·3	9·5
9·2		49·5	50·6	
10·4		51·5	8·8	
9·1		54·0	49·1	
10·4		59·5	21·8	
10·2	40	4·0	44·6	
9·6		13·0	35·6	9·5
10·4		26·5	51·4	
10·0		26·5	17·8	
9·1		27·5	8·2	9·2
10·2		34·0	38·2	
10·2		34·5	26·2	
10·4		49·0	38·6	
10·4		51·5	27·8	
10·0		57·0	13·3	
10·0		59·5	5·0	
10·4	41	0·5	7·0	
10·2		10·0	34·8	
10·0		21·5	21·9	
10·4		28·0	30·8	
9·5		31·5	8·5	
10·2		44·5	2·0	
10·2		49·0	25·6	
8·6	42	1·0	21·2	
10·4		17·5	14·4	
10·4		19·5	57·9	
10·0		22·5	23·2	
10·4		36·0	2·2	
10·0		39·5	23·0	
10·0		44·5	8·8	
	+1	8·9	—7·8	

4321—4380.

mag.	10h. m	s	—34° ′	
10·2	42	46·5	26·8	
10·2		50·5	32·7	
10·2		57·5	46·8	
10·4	43	12·0	21·2	
9·6		17·0	38·7	
9·8		20·5	41·0	
9·8		21·5	17·2	
8·7		23·0	18·0	8·5
10·0		29·5	23·7	
9·2		37·5	54·8	
10·4		42·5	25·3	
10·2		44·5	56·0	
8·4		57·0	17·1	9·0 —
10·4		59·5	0·9	
8·6	44	2·5	22·2	9·2
10·4		11·5	16·8	
10·0		14·5	52·2	
10·4		14·5	35·4	
10·4		15·5	45·8	
9·8		20·5	55·1	
10·4		39·0	23·8	
10·2		45·0	55·3	
10·4		48·0	46·3	
10·2		50·5	24·4	
10·4		53·0	46·0	
10·0	45	3·7	5·6	
10·4		11·5	50·8	
9·4		15·3	30·0	
10·0		21·3	18·5	
10·2		29·3	0·9	
9·6		34·8	29·9	
10·2		35·3	15·2	
8·6		45·3	44·1	
9·4		54·8	26·5	
10·2		57·3	14·7	
10·0	46	10·3	34·3	
9·0		20·3	31·1	
10·2		35·3	11·2	
9·8		49·3	9·8	
10·2	47	9·3	13·6	
6·7		12·8	49·5	7·0 GS=t
10·2		18·3	13·7	
9·8		25·8	33·3	
10·2		28·3	10·3	
9·5		32·3	39·5	
9·6		35·3	19·4	
10·2		40·4	45·4	
9·8		41·0	57·8	
10·2		51·8	19·2	
10·2	48	0·3	6·2	
9·4		2·0	1·2	
8·8		5·3	34·1	
10·2		5·8	35·2	
10·0		19·3	16·1	
9·2		24·3	38·2	
8·4		28·3	17·8	9·0
9·6		36·8	28·8	
10·2		59·3	19·3	
9·6	49	2·3	47·1	
9·5		2·3	51·2	
	+1	9·5	—7·9	

4381—4440.

mag.	10h. m	s	—34° ′	
10·2	49	5·3	14·7	
9·8		11·3	18·0	
9·5		12·3	41·5	
10·2		14·8	39·5	
9·6		16·8	39·0	
10·2		22·3	56·1	
10·2		29·8	41·9	
8·0		30·3	49·9	8·5 G≡
9·0		30·3	50·5	9·5 G
9·5		35·8	0·5	
10·2		49·5	27·4	
9·8		51·0	57·5	
9·0		53·8	45·2	9·0
10·0		54·8	12·2	
7·8	50	3·3	26·7	8·0 G
9·4		10·3	40·0	
9·2		17·8	12·5	
10·2		46·3	7·8	
10·2		47·8	40·3	
10·0		51·8	0·9	
9·6	51	21·3	22·6	
10·2		23·8	58·0	
10·2		36·8	32·5	
9·2		45·8	52·9	
10·2		52·3	15·1	
10·2		54·8	27·0	
7·8	52	0·0	58·4	8·5 G=
9·6		5·8	36·3	
9·6		6·3	9·3	
9·8		8·3	1·6	
8·2		15·3	53·8	8·5 —
9·6		23·3	48·2	
10·2		30·3	54·7	
10·2		34·3	25·4	
10·2		48·8	48·9	
9·0		52·8	55·0	
10·2	53	0·3	15·3	
10·2		6·3	7·2	
7·6		11·8	12·3	8·0 GSt
10·2		17·3	2·2	
9·5		28·8	28·7	
9·2		29·3	17·9	9·5
10·2		43·8	46·1	
9·6		47·3	36·9	
10·2		50·3	7·1	
10·2		52·3	12·0	
9·8		53·8	21·7	
7·4		55·3	28·3	7·8 GSt
9·2		55·3	44·1	
10·2		56·3	6·9	
10·2		57·8	24·5	
9·5	54	6·3	56·8	
10·2		20·3	49·7	
9·6		21·5	56·9	
10·2		35·3	39·3	
9·8		44·3	27·5	
10·0		50·3	10·0	
8·8		55·3	9·8	8·8
8·2		59·8	53·4	8·5 =
10·2		59·8	49·9	
	+1	10·1	—8·0	

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4441—4500.

mag.	10h–11h. m	s	−34° ′	
8·6	55	0·3	17·3	8·5
9·0		3·3	7·8	9·0
9·6		12·3	33·0	
9·6		30·3	37·2	
9·2	56	10·3	53·1	
10·2		17·8	19·8	
10·2		18·5	57·3	
10·2		19·3	46·8	
10·2		30·3	56·6	
9·6		33·3	41·2	
9·6		34·3	3·0	
9·6		44·8	23·4	9·0
9·4		54·8	23·9	9·8
10·2	57	1·3	51·2	
10·2		11·3	37·3	
10·2		16·8	11·1	
10·0		25·3	1·6	
9·2		32·3	42·4	
10·2		35·3	5·9	
9·6		35·8	38·5	
9·0		41·1	15·6	9·5
10·2		55·8	35·9	
9·6		59·3	37·8	
10·2	58	0·3	6·7	
9·6		2·3	49·5	
9·6		20·3	8·7	
10·2		21·3	39·5	
9·8		31·3	12·2	
9·4		40·3	6·1	
10·2		40·3	32·8	
10·2		45·3	10·6	
10·2		56·3	8·3	
10·2	59	1·3	17·7	
10·2		2·8	25·8	
9·2		6·3	56·0	9·0
9·8		6·3	47·9	
10·0		9·3	44·8	
9·5		12·3	35·5	9·0
9·8		18·3	27·4	
10·2		35·8	20·0	
10·0		39·3	30·1	
8·5		49·8	47·9	8·2 G
10·2		51·2	50·3	
9·8		55·3	33·1	
9·0	0	1·3	52·7	8·9 –
10·2		2·3	8·6	
10·2		6·8	1·9	
9·6		10·3	21·6	
8·9		18·3	12·1	9·2 –
10·2		32·8	46·0	
9·2		38·3	35·0	9·5
10·2		46·3	8·4	
10·2		50·3	46·1	
9·8		51·3	9·8	
9·6	1	10·3	50·4	9·0
9·6		14·3	51·4	
10·2		19·0	59·7	
10·0		19·8	25·8	
10·2		39·8	37·6	
10·2		51·3	31·4	
25pr.	+1	10·8	−8·1	

4501—4560.

mag.	11h. m	s	−34° ′	
10·2	1	51·8	19·4	
10·2	2	11·3	5·2	
10·0		16·8	11·1	
10·2		45·3	18·1	
9·2		49·3	12·2	
9·6		56·3	6·3	
10·2	3	15·8	26·0	
10·2		20·3	16·2	
9·4		24·8	48·4	
10·2		32·8	25·2	
9·8		34·8	6·1	
9·6		38·8	1·1	
8·4		50·3	43·6	8·5 G
9·5		57·8	51·3	
9·8	4	12·3	22·7	
10·2		12·3	6·3	
10·2		20·3	10·9	
8·6		20·8	43·2	8·0 G–
10·2		24·8	18·7	
10·2		30·3	18·8	
10·0		38·3	18·1	
10·2		41·3	40·1	
10·2		42·3	1·4	
9·6		46·3	7·6	
10·0		58·0	57·6	
9·5		58·8	21·2	
9·4	5	3·8	14·4	
10·2		5·8	14·1	
10·0		19·3	0·2	
10·2		25·8	20·2	
8·9		38·3	48·9	
9·4		49·3	26·1	
8·3		50·8	8·3	8·5 –
9·8		51·3	15·7	
10·2	6	0·8	58·8	
10·0		5·3	51·6	
10·0		5·3	10·6	
10·2		10·0	58·1	
10·2		10·3	18·7	
10·2		20·3	32·6	
10·2		20·3	35·9	
9·5		30·3	45·3	
10·2		38·3	17·6	
7·7		38·3	43·4	7·5 GS–g
10·2		53·3	52·5	
10·0		56·3	54·2	
10·2		59·8	16·1	
9·4	7	1·3	22·1	9·0
9·6		12·5	0·1	
10·0		25·3	43·0	
10·2		37·3	44·8	
10·2		56·3	15·0	
10·0	8	9·5	59·4	
9·2		15·0	58·2	
10·0		15·8	40·8	
8·5		23·3	17·9	7·5 G–
10·0		25·3	37·7	
9·6		27·3	41·9	
10·2		34·8	27·1	
10·2		40·3	13·0	
	+1	11·4	−8·1	

4561—4620.

mag.	11h. m	s	−34° ′	
9·6	9	3·8	29·6	
10·0		4·3	2·1	
9·6		10·3	3·9	
10·2		11·3	52·9	
9·8		15·8	17·0	
10·2		19·3	23·2	
8·6		26·8	38·0	9·0
10·0		34·0	57·1	
9·8		36·0	4·7	
8·3		36·3	49·9	8·0 G=
10·2		41·3	15·1	
10·2		46·5	37·9	
10·2		48·0	7·9	
10·2		57·2	13·9	
10·4	10	10·4	31·8	
10·4		10·6	43·6	
10·4		19·6	40·1	
8·8		25·1	54·7	
9·7		31·6	29·6	
10·4		35·1	36·5	
8·2		45·1	25·0	7·5 G
8·6		55·6	51·6	
7·4		57·1	14·7	7·0 GS
9·0	11	3·1	28·0	
6·6		37·8	3·3	6·8 GS–t
10·0		46·6	19·7	
10·4		49·6	16·7	
10·2		51·1	2·0	
9·8		53·1	32·0	
10·4	12	9·6	29·1	
10·0		15·6	5·8	
10·4		17·1	47·4	
10·0		29·6	18·4	
10·0		50·6	47·5	
8·4		55·1	31·1	9·0
9·8	13	0·1	45·2	
10·4		4·1	50·1	
9·8		4·6	49·6	
10·0		10·6	52·6	
10·2		30·6	44·1	
10·0		35·6	56·4	
9·6		44·6	47·4	
9·0	14	0·6	34·3	8·5
10·4		2·6	53·2	
10·4		5·1	41·2	
10·2		15·1	42·0	
10·4		16·6	40·5	
9·7		25·6	9·2	
10·4		40·2	58·0	
8·7		41·2	58·4	9·0
9·2		42·1	35·8	
10·4	15	0·6	21·3	
6·9		7·6	50·4	7·5 GS≡t
10·4		21·1	10·6	
9·8		29·6	1·2	
10·2		34·6	35·8	
10·4		42·1	32·9	
9·0		49·1	39·3	
10·4	16	0·6	7·3	
9·0		3·6	41·1	
	+1	12·0	−8·2	

4621—4680.

mag.	11h. m	s	−34° ′	
10·0	16	7·1	6·4	
10·0		20·6	5·4	
10·4		23·1	55·1	
9·7		24·6	15·5	
9·0		34·6	43·0	
10·4		46·1	31·2	
9·7		50·6	35·3	
8·8	17	5·6	17·8	
10·2		10·1	10·3	
10·2		10·6	44·5	
9·8		25·6	42·1	
10·2		36·6	13·2	
9·6		41·7	58·9	
10·2	18	10·6	42·2	
9·4		20·6	51·1	
9·4		28·6	17·4	
9·6		41·6	30·4	
8·6		42·6	36·5	9·5
10·2		49·6	21·4	
9·8		49·6	38·1	
9·2		51·1	27·3	9·0,
9·4		51·6	40·1	9·5
10·4		59·6	54·1	
10·2	19	6·1	3·3	
9·2		14·1	53·6	
9·8		19·1	52·7	
10·4		22·1	36·5	
9·8		23·6	8·6	
9·7		25·6	9·5	
9·4		26·6	45·7	
10·2	20	0·1	43·7	
9·0		4·1	20·5	
10·4		10·6	23·6	
9·2		15·1	31·1	
10·2		19·1	3·2	
8·6		19·6	19·5	–
10·0		33·1	13·6	
10·0		38·6	31·7	
10·4		41·1	7·1	
10·4		43·1	9·1	
10·0		45·6	21·8	
9·0		50·6	55·2	
10·4		52·6	7·1	
10·4		57·6	56·5	
10·0	21	0·6	20·1	
10·0		5·1	16·9	
9·2		15·6	55·6	
9·4		16·6	21·2	
10·4		20·6	45·1	
10·0		27·6	49·1	
9·0		28·6	33·9	9·0
10·2		35·1	8·4	
10·4		40·6	3·1	
10·0		43·1	39·0	
9·6		48·6	58·6	
10·2		50·1	59·2	
8·0		50·6	51·8	7·5 GS=
7·5		52·1	38·4	7·0 GSg
8·4	22	0·6	30·6	9·0
9·6		17·6	21·1	
	+1	12·8	−8·2	

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4681—4740.

mag.	11h. m	s	—34° ′	
10·4	22	19·6	50·1	
10·0		25·6	8·3	
10·0		32·6	23·4	
10·4		33·6	4·2	
10·0		40·6	30·0	
10·4		41·6	25·4	
9·8		45·6	13·9	
8·7		54·1	58·9	9·5 G–
10·0		59·6	12·8	
10·4	23	7·1	51·3	
10·4		18·6	4·6	
10·4		19·6	19·5	
10·4		19·6	21·5	
10·4		40·1	18·0	
10·4		48·6	8·9	
10·4		50·6	11·1	
10·2		59·6	3·3	
10·0	24	2·1	22·1	
10·2		17·6	7·0	
9·2		25·6	44·8	
10·4		25·7	35·9	
10·4		29·6	21·0	
10·4		31·1	0·7	
9·6		44·1	46·8	
10·0		47·6	51·1	
9·8		56·6	29·0	
10·0		58·6	2·8	
8·4	25	5·6	57·5	8·5 ≡
10·4		7·1	35·5	
9·8		14·6	2·0	
9·7		14·6	33·0	
10·2		15·6	18·0	
9·8		16·6	16·0	
10·2		30·6	42·3	
9·4		32·6	43·8	9·5
10·4		34·6	3·9	
9·4		37·6	27·3	
10·4		47·1	17·0	
10·0		47·6	55·1	
9·7		50·6	2·5	
10·4		51·1	42·9	
10·4	26	0·1	32·4	
9·8		9·6	40·5	
9·8		21·6	17·3	
10·4		49·6	51·6	
10·0		57·1	15·7	
9·2		59·1	9·3	9·2
9·2	27	4·6	5·7	9·5
10·2		26·6	42·8	
9·4		39·6	40·9	
9·4		46·1	51·0	
9·7		51·1	38·6	
10·4		59·6	7·6	
10·4	28	0·6	40·6	
9·8		1·6	36·5	
9·4		23·6	33·2	9·5
9·0		23·6	28·6	9·0
10·0		24·6	28·2	
10·0		25·6	56·5	
10·4		29·6	3·4	
25pr.	+1	13·3	—8·3	

4741—4800.

mag.	11h. m	s	—34° ′	
9·7	28	41·6	58·4	
10·4		41·6	36·9	
10·4		45·6	32·4	
10·4		50·1	3·7	
10·4		59·6	42·9	
10·0	29	0·1	23·8	
10·4		2·1	14·9	
7·0		5·1	55·3	7·0 GS≡g
10·0		5·6	35·0	
10·4		7·6	53·1	
10·4		18·6	0·0	
10·2		21·1	58·1	
10·4		22·6	20·3	
10·2		24·1	27·9	
9·4		33·1	54·0	
9·0		36·1	43·0	
8·6		38·6	5·8	8·0 Gtπ
10·2		42·6	2·3	
10·0		51·6	2·1	
9·8		58·1	48·1	
10·4	30	1·6	7·8	
10·4		4·1	37·3	
10·2		4·1	20·1	
10·2		12·1	12·3	
9·4		26·1	27·3	
9·8		26·6	30·8	
9·7		30·1	10·3	
9·7		38·1	39·7	
8·8		55·1	53·7	8·5 W=
8·7	31	6·6	22·7	8·5 W
10·2		14·6	16·7	
10·0		15·1	15·0	
10·0		21·1	36·1	
9·8		22·1	36·6	
9·8		39·1	18·0	
10·4		46·1	41·9	
10·2		47·4	58·2	
9·4	32	1·6	43·5	
9·8		9·1	10·2	
10·0		21·6	53·9	
9·7		26·6	35·0	
10·4		28·6	45·6	
10·0		40·6	17·1	
10·4		42·6	52·1	
9·4		44·1	55·3	
10·4		45·6	22·8	
10·4	33	0·1	0·2	
10·4		1·1	46·1	
10·4		7·1	28·2	
9·4		12·1	4·1	9·0
10·4		20·6	59·5	
7·9		27·1	32·4	G–
8·4		33·1	17·3	7·5 GStπ
10·4		50·6	33·8	
10·4		56·7	16·0	
4·6	34	1·0	3·1	5·0 GSπβ
9·2		2·2	32·8	8·5
10·4		50·6	7·9	
9·5	35	10·4	32·6	
7·2		10·7	54·7	7·2 GS≥t
	+1	13·9	—8·3	

4801—4860.

mag.	11h. m	s	—34° ′	
10·0	35	15·7	58·8	
10·0		23·3	53·7	
9·2		26·2	13·6	
10·0		30·2	14·6	
10·0		38·7	45·5	
9·8		48·2	31·8	
10·0	36	6·2	57·0	
10·0		15·2	56·8	
10·0		16·2	44·9	
9·0		43·7	36·8	8·5 G
9·7	37	0·2	54·0	
9·5		20·7	30·4	
9·8		25·2	17·2	
8·7		36·2	33·2	9·0
10·0		36·7	14·2	
10·0		44·7	15·9	
9·5		49·7	54·5	
9·6	38	15·2	30·2	
10·0		34·2	10·1	
8·8	39	2·7	7·0	9·0 –
9·6		10·7	38·8	
10·0		14·2	59·9	
8·2		22·2	54·8	8·0 G≡
9·2		39·7	37·7	
10·0		51·2	20·7	
10·0	40	0·2	50·7	
7·3		6·2	3·5	8·5 GS–g
10·0		9·7	45·0	
9·7		11·2	17·0	
9·0		11·7	7·4	
9·5		20·2	52·8	
9·7		28·7	39·4	
9·8		34·2	57·9	
10·0		40·2	49·1	
7·9		55·2	42·1	7·5 G–
10·0	41	1·2	10·5	
10·0		2·7	4·1	
10·0		3·2	9·6	
10·0		8·2	25·7	
10·0		10·2	24·7	
10·0		10·2	20·3	
9·2		21·2	40·7	
10·0		22·2	30·4	
9·7		31·2	47·2	
7·6		49·7	31·7	7·0 GS–t
9·8		52·7	17·2	
9·5		59·2	31·5	
10·0	42	9·2	49·7	
9·5		14·2	11·5	
9·3		15·2	43·3	
10·0		39·3	4·1	
9·5		40·8	51·2	
9·6		42·3	58·5	
9·3		43·3	38·6	
10·0		44·3	13·8	
10·0		49·8	15·4	
10·0		49·8	13·8	
10·0	43	1·3	32·2	
9·7		1·3	39·4	
10·0		5·8	4·6	
	+1	14·8	—8·3	

4861—4920.

mag.	11h. m	s	—34° ′	
9·8	43	7·3	51·2	
10·0		8·8	20·4	
9·0		15·3	16·5	9·0
9·3		29·8	40·2	
10·0		33·8	37·1	
8·7		48·8	15·2	9·0
9·0		54·8	37·1	
10·0	44	9·8	49·1	
9·8		19·8	43·8	
9·8		20·3	30·7	
9·5		30·8	21·5	
9·3		54·3	55·7	
9·3		57·3	13·5	
9·5	45	2·3	39·1	
10·0		2·3	42·2	
9·0		4·8	49·6	
9·7		29·8	51·8	
9·2		34·3	34·9	
9·6		39·8	22·4	
9·5		42·3	22·9	
9·8	46	8·3	41·2	
8·6		9·8	17·6	=
10·0		11·8	23·8	
10·0		15·8	50·1	
10·0		19·8	25·1	
9·2		31·8	53·0	
9·8		33·3	40·0	
9·6		34·3	0·9	
9·2		40·3	18·5	
9·4		50·8	36·3	
10·0		54·8	47·3	
7·0	47	8·8	22·2	GSctπ
9·0		22·3	56·9	
10·0		38·3	13·0	
9·5		53·3	26·7	
8·7		57·8	11·0	
10·0	48	1·3	17·5	
9·8		3·3	52·2	
10·0		8·8	20·9	
9·7		9·8	9·3	
10·0		19·8	17·4	
8·8		30·8	34·5	
9·3		40·3	6·4	
8·6		59·1	58·6	8·8
9·8	49	11·3	51·6	
10·0		19·8	54·0	
10·0		45·8	2·0	
9·7		45·8	36·0	
9·5		48·8	9·6	
10·0		54·3	40·0	
10·0		59·8	53·9	
9·8	50	3·3	11·6	
10·0		5·3	43·2	
9·4		17·3	11·9	
10·0		23·3	3·9	
10·0		29·8	50·4	
10·0		35·3	41·2	
9·6		36·3	18·4	
9·8		40·6	35·2	
8·4		44·6	12·2	8·0 G–
	+1	15·5	—8·3	

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4921—4980.

mag.	11h. m s	–34° ′	
8·4	50 54·6	29·8	7·5 GS–g
9·6	51 11·6	11·8	
10·0	49·1	44·9	
9·8	51·1	12·1	
9·8	52 8·6	8·2	
10·0	24·6	48·1	
10·0	38·1	11·9	
10·0	41·6	43·8	
9·0	59·1	27·1	9·0
7·8	53 10·1	36·8	7·5 GSgt
9·0	24·6	53·0	9·0
9·8	24·6	11·7	
10·0	30·6	16·9	
9·8	39·6	19·3	
10·0	39·6	2·3	
9·7	44·6	23·4	
9·5	48·6	49·2	
9·6	50·1	10·9	
8·7	54 1·6	4·7	9·5 –
9·5	15·6	28·1	
9·2	18·6	20·6	
9·4	18·6	14·1	
10·0	25·1	21·2	
9·7	34·6	32·1	
9·2	55 9·6	29·6	
8·9	17·6	53·2	9·0 =
10·0	41·1	53·1	
9·6	48·1	6·7	
10·0	49·6	15·8	
8·5	59·6	15·2	9·0
9·6	56 6·1	27·3	
9·8	16·6	25·0	
9·8	25·1	2·6	
9·4	40·9	25·0	
10·0	44·4	8·4	
10·0	49·4	15·2	
9·2	49·4	16·0	9·5
9·7	57 0·4	52·2	
9·6	19·4	51·7	
10·0	20·9	16·6	
9·8	21·4	43·0	
8·5	28·9	6·7	8·2 G–
8·9	29·9	15·2	
9·7	39·4	4·0	
8·5	43·4	38·8	9·0
10·0	51·1	0·9	
9·7	52·4	9·0	
9·0	58 14·4	26·0	9·5
10·0	19·4	16·2	
10·0	25·9	42·9	
8·1	26·9	5·0	8·5 –
9·8	27·9	8·2	
10·0	29·4	15·1	
8·6	35·9	57·2	8·5 =
9·2	40·9	20·0	9·5
9·5	52·9	29·5	
10·0	59 9·8	51·4	
9·5	19·4	29·3	
6·8	31·2	59·9	6·5 GS=g
9·5	41·9	28·8	
25pr.	+ 1 16·4	–8·4	

4981—5040.

mag.	11h.–12h. m s	–34° ′	
8·7	59 42·2	12·6	
10·0	45·4	52·3	
10·0	46·4	52·9	
10·0	0 1·2	37·6	
9·7	1·9	37·9	
9·6	4·0	12·3	
9·4	8·7	17·0	
10·0	9·5	32·4	
10·2	22·3	36·0	
9·6	25·4	29·7	
9·9	40·9	7·2	
9·0	58·0	15·3	9·0
9·6	1 9·5	51·8	
9·9	28·5	5·7	
9·4	31·0	49·6	
9·9	40·0	25·1	
10·0	46·0	47·7	
10·1	58·0	49·7	
10·2	2 0·0	8·9	
10·2	0·0	32·0	
10·2	1·5	38·9	
9·2	6·0	47·9	
10·2	12·5	29·0	
9·7	20·5	11·3	
9·8	21·5	28·6	
9·4	25·0	10·0	9·0
10·0	25·0	4·4	
9·7	39·0	52·5	
9·4	39·5	14·1	
9·7	40·0	50·8	
9·9	41·0	29·4	
9·8	45·0	18·8	
9·7	51·0	47·8	
9·6	3 1·5	31·4	
10·2	2·5	20·5	
10·0	3·5	53·6	
9·7	14·5	39·3	
10·0	18·5	28·8	
10·1	24·6	43·3	
9·6	29·6	14·7	
10·0	33·1	29·1	
6·6	35·1	0·6	6·5 GStπ
8·2	49·6	21·5	8·0 G
10·2	51·1	23·5	
8·1	54·1	32·3	8·0 G
10·2	4 0·6	3·5	
9·4	20·1	59·0	
9·6	29·6	54·6	
9·6	34·1	21·9	
10·0	37·1	20·5	
9·7	39·6	5·0	
10·2	41·6	1·9	
9·6	49·6	3·9	
9·8	50·1	53·0	
9·6	50·1	16·5	
9·9	50·1	28·0	
10·2	54·1	40·4	
9·7	59·6	23·8	
8·8	5 12·6	8·4	
10·0	15·1	30·3	
	+ 1 17·1	–8·4	

5041—5100.

mag.	12h. m s	–34° ′	
9·6	5 19·4	57·7	–
9·7	28·1	17·0	
9·7	32·1	35·4	
10·2	37·6	16·6	
9·7	40·1	18·0	
10·1	48·1	14·1	
10·1	50·1	23·1	
9·9	52·1	29·7	
9·6	6 8·1	51·4	
8·2	10·1	24·1	–
10·0	15·1	19·2	
10·2	31·1	53·6	
10·2	39·6	53·9	
10·2	44·1	58·2	
8·8	44·6	40·2	9·0
10·1	49·6	29·8	
10·1	57·6	1·0	
10·2	7 2·1	21·4	
10·1	4·1	6·0	
9·4	35·6	51·0	9·5
10·1	48·6	11·5	
10·0	51·1	13·0	
10·2	59·6	12·1	
10·1	8 9·6	31·6	
10·1	12·9	59·6	
9·6	16·6	27·0	
10·1	22·1	13·9	
9·4	22·1	12·8	
9·8	31·6	13·8	
9·9	32·6	5·3	
9·2	32·6	40·2	
10·1	34·6	47·4	
10·2	34·6	40·7	
10·2	40·1	29·6	
10·1	40·6	44·1	
10·0	44·1	31·5	
8·9	48·6	22·1	
9·9	54·1	31·1	
8·8	54·6	19·0	
9·7	54·6	29·4	
9·0	59·6	22·7	
10·1	9 0·1	6·6	
9·7	31·1	22·4	
10·1	44·1	25·2	
10·0	47·6	6·8	
9·9	48·1	12·8	
10·1	49·6	37·0	
10·2	51·1	8·2	
9·0	52·1	2·3	
9·9	57·1	34·7	
10·1	10 11·6	48·1	
10·2	15·1	10·2	
10·1	50·6	49·1	
10·0	54·1	8·2	
9·2	11 2·1	34·2	
9·8	4·1	12·6	
10·2	13·6	31·0	
10·1	29·6	57·1	
9·7	30·1	41·0	
9·6	38·6	30·0	
	+ 1 17·7	–8·3	

5101—5160.

mag.	12h. m s	–34° ′	
9·4	11 39·6	10·3	
10·0	40·6	34·5	
10·0	51·6	51·1	
10·0	54·1	47·3	
9·9	12 4·6	47·0	
9·4	9·1	0·9	
10·1	11·1	41·7	
10·2	15·6	35·2	
9·4	26·1	1·4	
9·4	31·6	33·2	
9·6	34·1	45·9	
9·8	35·1	34·6	
9·9	37·6	42·3	
10·2	39·1	31·5	
9·7	56·1	10·1	
9·2	59·1	44·5	
9·6	59·6	9·0	
9·7	13 1·1	13·7	
9·4	1·6	1·8	
9·4	16·6	7·2	
10·2	17·1	23·5	
9·9	17·1	1·3	
10·2	17·1	56·3	
10·0	19·6	39·5	
9·6	41·4	59·3	9·0
9·8	43·1	28·6	
10·0	44·1	43·9	
10·1	58·6	6·5	
9·0	59·6	5·8	9·5
9·2	14 2·6	32·1	
10·2	26·1	55·2	
10·2	27·6	52·2	
10·0	31·1	14·3	
9·4	38·1	22·9	
10·2	38·1	25·9	
10·1	40·1	32·8	
8·6	43·6	17·0	8·5
9·9	54·6	1·1	
10·0	15 1·4	56·7	
10·2	4·1	20·1	
9·2	14·6	5·1	9·5
9·6	20·1	56·2	9·0
8·1	35·1	49·1	7·0 GS=
10·2	38·1	11·0	
10·2	50·1	8·8	
9·7	16 15·1	42·1	
10·2	21·6	26·2	
9·9	21·6	48·1	
10·2	35·6	31·2	
10·0	37·6	4·7	
10·2	41·6	33·5	
10·2	58·6	21·5	
9·0	59·1	30·8	
5·0	17 0·6	43·1	5·5 GStπ
10·1	7·1	7·0	
10·0	10·6	30·2	
10·2	19·0	28·2	
9·8	24·1	41·8	
10·2	34·1	52·4	
9·6	36·1	4·5	
	+ 1 18·2	–8·3	

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5161—5220.

mag.	12h. m	s	−34° ′	
8·9	17	37·4	56·4	=
9·9		39·6	36·4	
9·7		43·1	18·6	
10·2		49·1	19·1	
10·1		55·1	17·0	
10·2		56·1	48·5	
9·0		58·1	39·1	8·2 G
10·2	18	3·1	12·7	
9·7		8·1	54·6	
10·2		18·6	21·4	
10·2		20·6	11·0	
9·7		31·1	43·6	
9·6		39·1	55·0	
9·8		44·6	37·6	
6·0		47·1	29·5	6·0 GStπ
9·9		50·1	56·9	
9·7		54·1	40·2	
10·1	19	4·6	50·0	
9·6		11·6	8·9	
9·2		24·6	6·8	9·5
9·4		28·6	2·4	
9·6		30·1	9·5	
10·0		39·1	49·8	
10·1		44·1	13·0	
9·6	20	9·6	43·9	
9·9		9·6	43·1	
10·2		14·1	1·8	
9·6		15·1	39·3	
10·2		15·1	28·6	
9·7		17·1	49·6	
10·2		17·8	57·3	
9·0		28·1	16·8	–
10·1		28·1	42·0	
10·2		30·8	57·8	
10·2		31·1	55·5	
9·6		51·1	39·9	
9·6		51·1	51·0	
10·1	21	12·1	9·9	
9·8		13·1	10·5	
8·9		26·1	44·4	9·0
10·2		29·6	14·1	
9·4		29·6	14·8	
9·7		40·1	47·0	
10·1	22	3·1	9·7	
10·2		4·1	7·7	
9·2		6·3	58·7	
10·2		7·6	23·5	
9·8		17·1	56·9	
8·0		31·1	8·6	7·2 GS=t
10·2		37·6	44·1	
9·9		39·6	51·7	
10·0		44·1	0·1	
9·4		59·6	44·9	
9·8	23	11·6	40·3	
9·9		12·6	7·5	
10·2		16·1	58·4	
9·7		19·6	6·0	
9·2		26·3	58·4	
9·2		28·6	6·7	–
9·7		28·6	37·1	
25pr.	+1	18·8	−8·3	

5221—5280.

mag.	12h. m	s	−34° ′	
10·2	23	31·6	12·3	
9·9		34·1	55·0	
10·2		35·6	24·9	
9·6		37·1	53·8	
10·2		39·1	33·5	
10·1		41·6	13·9	
9·7		41·6	23·9	
10·1		48·6	5·3	
9·4	24	1·6	26·4	
10·2		15·1	9·1	
9·6		23·1	25·3	
9·6		31·9	52·9	
9·8		39·4	51·3	
10·2		44·1	34·8	
10·2		50·1	32·7	
10·2		55·0	14·9	
9·6		55·6	44·9	
9·6		59·6	39·2	
10·1	25	5·1	8·3	
10·2		6·1	11·9	
9·8		9·9	31·7	
8·6		18·9	57·7	9·5
9·2		19·6	52·0	9·5
10·2		19·6	32·3	
10·2		21·1	19·0	
9·6		21·4	59·7	
10·2		33·1	23·7	
10·0	26	4·9	0·9	
9·8		4·9	44·4	
8·9		9·7	47·5	9·0 –
10·0		41·9	44·3	
10·0		54·2	32·0	
10·0		55·2	41·0	
9·8	27	9·7	32·1	
10·0		21·7	27·0	
10·0		27·2	3·9	
9·1		29·7	2·6	9·0
9·6		35·7	21·6	
9·8		40·3	41·4	
10·0		41·8	42·1	
10·0		57·8	16·1	
9·2	28	5·3	5·2	9·0
10·0		10·8	15·1	
9·2		14·8	35·6	
9·2		50·3	13·1	
10·0		50·3	53·0	
8·3		55·3	11·3	8·0 –
10·0	29	9·3	47·9	
9·2		11·3	10·9	
8·8		13·8	31·4	
8·1	30	10·8	44·5	8·0 G–
10·0		15·8	19·7	
9·2		19·3	16·2	
8·8		28·8	21·6	9·0 G
8·8		31·3	17·5	9·0
8·0		33·3	24·7	8·5 GS=
9·6		43·8	52·8	
9·8		52·3	1·1	
9·4	31	10·1	59·8	
10·0		15·3	7·4	
	+1	19·4	−8·3	

5281—5340.

mag.	12h. m	s	−34° ′	
9·6	31	23·8	56·0	
10·0		30·3	25·9	
9·6		31·8	8·8	
9·4		42·5	36·3	
10·0		43·3	58·0	
10·0		44·3	34·8	
8·1		59·3	28·5	7·8 G=
9·6	32	12·8	10·4	
10·0		21·8	25·3	
10·0		28·8	24·0	
10·0		30·5	51·7	
10·0		31·3	8·8	
9·6		41·3	11·9	
10·0		46·8	8·2	
10·0		49·2	2·2	
10·0		51·2	36·2	
10·0	33	5·8	11·5	
9·6		20·7	58·9	
10·0		22·2	53·7	
10·0		25·2	29·5	
10·0		29·2	24·9	
9·6		30·2	39·4	
10·0	34	2·2	29·0	
9·1		20·7	16·6	–
10·0		22·0	56·3	
10·0		36·2	35·8	
9·2		50·2	50·1	10·0
10·0		55·7	11·4	
10·0	35	0·7	10·9	
9·8		9·2	27·9	
10·0		12·2	36·2	
9·6		15·7	22·7	
10·0		18·7	31·2	
9·6		26·7	1·7	
9·2		37·2	24·5	9·5
9·6		47·2	34·2	
10·0		47·8	26·1	
10·0		55·7	28·9	
9·4	36	2·7	2·6	
8·8		8·7	10·1	–
10·0		8·8	53·8	
9·4		20·7	15·3	
10·0		28·2	57·7	
8·9		31·2	17·1	9·0
9·4		37·7	5·4	
9·6		39·7	48·0	
10·0		41·7	24·7	
9·8		54·7	27·6	
7·9		55·7	43·7	8·0 GW=
10·0	37	2·2	33·6	
9·4		7·2	9·1	
10·0		10·7	42·4	
8·4		14·2	26·0	8·5 GS–g
10·0		25·2	5·2	
9·8		25·7	58·3	
10·0		35·7	33·6	
10·0		40·9	29·0	
9·4		49·9	18·7	
9·8		49·9	34·5	
9·8		57·9	16·3	
	+1	20·3	−8·3	

5341—5400.

mag.	12h. m	s	−34° ′	
9·4	37	58·4	21·0	
9·8	38	1·4	19·1	
10·0		6·4	6·6	
10·0		16·6	58·0	
10·0		44·4	18·7	
10·0		46·4	16·8	
10·0		59·9	15·1	
9·0	39	8·9	40·8	9·0
9·8		21·9	36·1	
10·0		27·9	43·9	
10·0		36·9	24·9	
10·0		40·9	52·7	
10·0		42·2	59·1	
10·0		42·4	51·9	
9·8		43·4	3·7	
10·0		48·4	44·6	
10·0		53·4	35·1	
10·0	40	0·9	44·4	
9·6		19·4	49·7	
8·8		20·4	1·7	9·2 –
9·0		28·4	29·2	
10·0		50·4	53·5	
9·8		51·4	1·5	
9·4	41	13·4	19·8	
9·2		36·9	42·9	
9·8		42·9	26·7	
9·4		53·9	16·6	
10·0	42	16·4	1·1	
10·0		18·4	49·0	
10·0		25·4	48·2	
9·8		36·2	8·8	
7·8		45·7	6·6	7·8 GS=g
9·8		46·7	19·1	
9·6		51·2	5·0	9·5
10·0		58·2	53·3	
9·8	43	9·2	10·0	
10·0		18·2	19·7	
9·8		28·2	3·4	
9·6		46·2	20·0	
10·0		48·7	52·5	
10·0		54·2	15·0	
10·0		57·2	33·9	
10·0		57·2	42·0	
8·7		59·7	57·2	
10·0	44	1·7	7·4	
9·8		6·7	55·2	
10·0		11·2	55·9	
10·0		26·2	46·6	
10·0		31·2	39·0	
10·0		33·2	39·8	
9·6		47·2	41·3	
10·0		49·7	43·1	
9·8		49·7	40·0	
10·0		54·2	53·9	
7·8	45	8·7	24·0	7·0 GStπ
9·4		25·2	50·0	
9·8		28·7	0·7	
10·0		35·2	57·0	
10·0		36·7	9·1	
10·0		41·2	34·7	
	+1	21·1	−8·2	

5401—5460.

mag.	12h. m	s	—34° ′	
9.8	45	43.7	29.1	
10.0		51.2	35.0	
9.6	46	0.2	46.0	
9.6		1.2	13.0	
9.8		11.2	46.6	
10.0		23.7	5.2	
9.6		45.8	31.9	
9.8		51.3	44.1	
9.6		51.3	36.8	
10.0		55.3	12.6	
9.4		59.8	30.7	
9.6	47	9.8	15.8	
10.0		11.3	3.0	
9.4		16.8	25.1	
9.8		21.3	55.8	
10.0		26.8	28.2	
8.8		31.3	25.1	9.5
10.0		41.3	7.3	
9.6		46.8	38.4	
9.1	48	6.8	28.8	9.5
9.2		10.3	51.9	
9.2		21.3	32.0	9.0 G
10.0		32.8	46.5	
10.0		33.8	41.6	
10.0		40.8	20.4	
9.4		41.3	42.9	
9.6		46.3	9.7	–
10.0		48.8	24.9	
10.0	49	11.3	26.5	
9.8		16.3	16.1	
10.0		31.3	14.5	
10.0		37.3	55.2	
9.6		41.3	28.6	
8.6		41.8	26.5	8.5 –
9.0		43.1	57.4	8.5 G–
9.4		43.8	10.9	9.5
9.8		45.3	33.9	
10.0		46.3	44.1	
8.4		49.0	9.8	8.5
10.0		52.8	34.9	
10.0		53.3	41.2	
10.0		53.6	58.8	
10.0		55.9	53.0	
9.6	50	0.3	41.2	
9.8		1.3	43.5	
9.4		2.0	41.7	
10.0		2.3	50.5	
9.4		5.8	28.7	
9.8		9.0	33.7	
9.2		9.2	1.1	
10.0		14.0	5.5	
10.0		35.0	41.1	
10.0		39.0	59.5	
9.9		58.8	46.9	
10.0	51	1.0	46.7	
9.6		12.6	24.8	
9.6		13.6	6.0	
9.8		39.6	45.2	
10.0		49.6	42.1	
9.4		51.6	39.6	
25pr.	+1	21.7	–8.2	

5461—5520.

mag.	12h.–13h. m	s	—34° ′	
10.0	51	57.1	17.9	
9.6	52	10.6	28.2	
9.0		10.6	3.0	
8.9		41.6	58.6	8.2 =
9.9		43.6	26.7	
10.0		45.6	22.9	
10.0	53	0.1	32.8	
9.5		3.2	57.6	9.2
10.0		14.6	15.0	
10.0		30.6	9.9	
9.3		52.6	48.3	
10.0	54	16.1	39.4	
9.6		35.6	50.9	
9.6		42.1	50.9	
10.0	55	6.6	8.1	
10.0		23.6	41.7	
10.0		25.1	21.7	
9.9		26.1	55.8	
9.6		33.6	37.0	
9.0		39.6	26.5	–
10.0		39.6	16.3	
9.0		40.1	2.6	9.0 –
8.8		41.1	10.9	9.0 –
9.9		55.6	22.1	
10.0	56	2.6	39.9	
10.0		26.1	35.5	
10.0		40.6	19.4	
9.8		51.1	15.8	
9.8		58.1	51.0	
9.6	57	0.6	18.7	
9.6		16.1	52.7	
9.6		16.1	58.9	
9.9		29.6	46.9	
9.8		30.6	52.6	
9.9		31.6	22.0	
9.9		43.1	16.2	
10.1		52.1	38.9	
9.0	58	4.1	9.2	9.5
9.6		10.6	30.2	
9.6		12.6	50.5	
10.0		17.6	25.2	
9.8		25.1	20.1	
10.0		25.6	15.1	
8.8		42.6	32.2	9.0 G–
8.3		52.1	26.4	8.0 GW–
10.0		54.6	54.3	
10.0	59	5.6	48.8	
10.0		10.6	57.9	
10.0		11.1	41.8	
9.6		13.6	7.7	9.5
9.8		36.6	47.1	
9.8		45.6	36.1	
9.6		52.1	7.2	
9.5		53.1	2.8	
9.2		54.1	48.8	
10.0	0	15.1	59.3	
9.6		22.6	12.4	
10.0		24.6	40.9	
10.0		30.6	3.9	
9.8		39.1	57.9	
	+1	22.4	–8.1	

5521—5580.

mag.	13h. m	s	—34° ′	
8.7	0	58.6	30.3	8.5 –
9.9	1	0.6	15.1	
10.0		4.6	18.9	
9.6		10.6	17.1	
8.6		13.6	50.0	8.0 G–
9.6		16.1	33.6	
9.6		30.6	28.7	
8.9		34.1	41.9	
10.0		40.6	46.6	
9.9		41.6	5.5	
8.9		47.1	52.5	–
9.6		55.6	6.9	
9.9	2	5.6	35.4	
10.0		23.6	54.9	
10.0		39.6	6.1	
9.9		39.6	38.9	
9.9		51.1	50.4	
10.0		52.6	43.5	
9.8		53.6	6.6	
9.8	3	6.1	38.6	8.5
9.6		14.6	55.8	
9.6		22.6	26.7	
8.3		24.1	6.7	8.5
10.0		32.6	19.4	
10.0		34.6	58.7	
8.8		43.1	22.7	8.5 –
8.3		45.1	58.5	8.0 =
10.0		50.6	38.0	
9.3		50.6	19.2	9.0
9.8		54.6	20.9	
10.0	4	6.6	32.5	
9.8		30.6	27.8	9.5 G
7.8		32.6	27.7	7.0 GS–
10.0		36.1	57.9	
8.6		47.6	57.2	9.0 =
9.6		51.6	7.7	
9.5		59.6	57.9	9.5
9.0	5	5.9	59.5	9.5
9.2		34.6	4.9	
8.0		36.1	4.5	8.0
10.0		38.4	59.5	
9.4		54.2	22.7	
9.3		57.7	33.5	9.5
9.6	6	0.2	2.2	
9.6		0.2	9.1	
8.9		12.2	40.3	8.5 G
8.9		13.7	19.9	=
9.8		24.7	53.1	
10.0		29.2	53.9	
10.0		33.2	6.0	
9.3		33.2	41.9	9.0 G
7.8		50.5	0.7	8.0 G–
10.0		58.7	20.9	
8.4		59.7	29.2	9.0 –
9.4	7	12.2	1.3	8.5 G–
10.0		21.2	26.5	
9.8		25.2	34.7	
7.8		25.7	46.6	8.0 –
9.8		38.2	50.1	
10.0		45.2	40.7	
	+1	23.1	–8.0	

5581—5640.

mag.	13h. m	s	—34° ′	
9.8	7	52.2	48.5	
9.9	8	0.2	3.7	
9.9		9.2	44.0	
10.0		33.7	52.9	
9.6		35.2	5.8	
10.0		54.2	59.1	
10.0		58.0	4.4	
10.0	9	0.0	37.2	
10.0		1.3	57.4	
9.0		2.7	2.1	
9.2		4.7	26.7	–
10.0		29.2	43.4	
8.6		41.1	46.6	9.0
10.0		49.6	57.4	
9.4	10	1.1	36.8	
10.0		13.6	29.6	
9.5		29.6	39.4	
9.2		40.6	5.0	9.0
9.9		43.6	48.6	
8.5	11	7.6	0.1	8.8 –
10.0		10.1	4.1	
10.0		14.6	38.2	
10.0		15.6	23.0	
10.0		17.1	49.2	
9.8		26.6	10.8	
10.0		42.6	41.5	
9.2		59.6	37.2	
10.0	12	10.1	40.8	
8.7		46.6	11.2	
10.0	13	4.1	31.4	
10.0		7.1	46.0	
9.6		33.6	31.2	
10.0	14	15.6	17.3	
10.0		18.6	22.8	
9.6		26.1	50.9	
9.8		31.6	20.3	
8.3		39.1	14.4	8.5 =
10.0	15	9.7	56.9	
9.4		38.8	33.0	
9.2		41.6	7.2	9.0 –
10.0		46.1	4.6	
9.5		47.5	58.0	
9.4		51.5	16.5	
10.0	16	2.0	34.0	
10.2		8.5	49.0	
10.3		14.2	57.5	
10.2		15.5	56.6	
10.3		23.5	34.4	
10.4		38.5	49.7	
10.4		48.5	9.0	
8.4		59.5	54.1	9.0 =
9.6	18	1.0	33.0	
10.2		2.5	18.6	
10.0		17.5	1.2	
10.3		19.4	43.1	
10.4		24.9	14.0	
10.2		30.4	1.4	
7.6		53.4	25.4	7.5 GS t
9.3	19	7.4	42.0	10.0
9.3		7.4	39.3	
	+1	24.0	–7.9	

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5641—5700.

mag.	13h. m	s	—34° ′	
9.0	19	36.4	15.8	9.5
10.4		43.4	42.1	
10.0		45.9	34.3	
9.6		49.4	40.5	
10.2		53.4	2.0	
8.2		56.4	58.2	W=
9.6	20	11.9	25.4	
9.8		16.4	44.5	
9.6		19.4	32.0	
9.4		20.9	37.2	
9.8		27.4	27.6	
9.8		31.4	2.5	
10.0		34.4	40.5	
9.0		35.4	41.0	9.0 –
9.3		37.4	28.3	
10.3		48.7	59.5	
9.6		51.4	34.0	
10.3		53.4	28.8	
10.2		59.4	7.2	
10.4	21	9.9	12.2	
10.4		19.4	49.0	
9.2		35.4	32.6	
9.8		39.4	47.6	
10.4	22	4.4	25.4	
9.2		14.2	12.3	8.8 –
7.6		16.2	55.3	7.2 GW=
9.8		22.2	9.9	
9.8		23.1	58.1	
9.8		27.2	22.8	
10.4		34.7	9.1	
10.2		37.2	24.5	
10.0		39.2	10.1	
10.0		46.2	6.6	
10.0	23	1.7	38.1	
10.0		2.7	18.6	
9.4		9.7	30.7	9.5
9.6		30.6	59.9	
10.4		31.2	4.1	
9.8		42.2	30.1	
10.3		44.2	10.0	
10.3	24	3.7	18.1	
10.4		7.2	4.1	
10.0		23.7	24.3	
10.4		24.7	26.9	
10.3		28.2	31.0	
9.6		29.2	25.9	
9.2		35.2	38.9	9.0
9.6		45.2	26.3	
10.2	25	8.7	48.2	
10.0		9.2	10.1	
10.3		12.7	4.7	
9.4		15.2	38.1	
10.4		25.7	20.3	
10.4		26.1	59.2	
10.4		26.2	50.3	
9.0		27.7	12.5	9.0 –
10.2		31.6	27.4	
9.6		54.1	32.2	
9.6	26	6.1	0.0	
10.4		19.1	27.2	
25pr.	+1	25.0	–7.8	

5701—5760.

mag.	13h. m	s	—34° ′	
10.0	26	28.1	29.9	
9.6		30.1	4.2	9.0
9.6		39.1	25.1	9.5
10.0		40.1	13.8	
10.0		44.1	25.2	
9.8		50.3	56.8	
9.8		52.1	45.4	
9.8		54.1	55.1	
10.4		59.1	51.2	
9.4	27	1.1	42.3	9.0 –
10.3		1.6	39.2	
10.0		13.1	23.1	
9.4		14.6	8.9	
10.4		24.1	26.6	
9.6		28.6	19.4	
9.8		47.6	20.2	
9.3		52.6	13.4	
10.4		57.1	35.9	
10.2	28	7.1	16.6	
8.9		11.3	0.1	8.8
9.0		12.6	29.4	9.5
9.4		14.6	32.5	
9.0		18.6	24.0	9.0
9.4		20.1	46.3	
9.8		21.1	30.4	
10.4		26.1	13.9	
10.0		28.1	20.7	
9.8		45.1	34.7	
9.8		48.1	28.0	
10.3		53.6	57.4	
10.4		56.1	33.8	
10.4	29	16.5	33.2	
10.0		19.0	53.4	
9.4		41.5	43.0	
10.2		49.0	4.6	
10.3		58.0	27.0	
9.8		59.0	39.1	
10.4	30	17.4	59.8	
9.6		22.0	24.2	
9.6		23.5	28.8	
7.6		24.0	24.6	7.0 GS–t
10.2		29.5	38.1	
9.3		39.0	48.8	
7.7		39.0	25.5	7.0 GS–t
9.0		45.0	12.4	8.5
9.4	31	3.5	45.5	
10.2		11.5	30.2	
10.2		12.5	28.3	
9.6		15.5	52.2	8.5 –
10.3		19.0	16.1	
10.4		22.0	1.3	
9.8		23.0	26.1	
9.8		28.0	46.4	
10.4		33.0	20.4	
10.4		33.5	51.1	
9.6		34.5	33.7	
10.4		37.0	50.9	
10.3		39.0	47.8	
9.8		39.0	30.9	
9.8		45.0	40.3	
	+1	25.5	–7.7	

5761—5820.

mag.	13h. m	s	—34° ′	
10.3	31	45.0	58.6	
9.8	32	1.9	9.6	
10.4		7.8	2.1	
10.0		8.9	25.4	
8.8		9.4	41.0	8.5 –
10.4		10.9	31.7	
10.4		11.4	31.1	
9.2		49.9	47.6	9.2
10.2		53.9	51.4	
10.0	33	8.4	4.5	
10.3		18.9	8.3	
9.8		22.9	33.8	
10.4		27.4	49.3	
10.3		28.9	53.6	
10.4		48.9	0.2	
10.3		56.9	57.9	
10.4	34	4.4	21.4	
10.4		16.9	32.5	
10.4		28.8	33.3	
10.3		30.9	51.5	
10.4		33.4	39.7	
9.2		39.9	8.9	–
9.6		44.4	15.5	
10.4		50.4	15.1	
9.0		58.4	56.5	9.5
10.0	35	16.5	58.4	
10.4		25.4	53.7	
9.8		25.4	23.2	
9.3		35.4	17.7	–
9.8		35.9	34.8	
9.6		39.4	8.8	
10.0		42.6	48.1	
9.3		56.6	35.2	9.5
7.4		59.6	39.5	7.5 G–
10.0	36	7.6	1.2	
9.0		18.1	42.6	9.0
10.2		19.6	19.0	
10.2		20.8	59.0	
10.4		21.6	43.2	
10.4		29.1	5.8	
8.4		47.6	41.2	8.5 –
10.4	37	12.6	35.9	
10.4		16.6	40.4	
10.4		19.1	38.1	
10.3		28.6	34.4	
8.8		30.6	59.0	9.2 –
10.0		47.1	20.1	
9.8		58.6	39.2	
9.6	38	3.1	49.8	
9.6		14.6	19.1	
9.0		19.6	20.0	
9.8		21.1	41.0	
10.3		23.1	40.5	
8.6		32.6	7.0	8.5
10.4		38.1	16.9	
10.4		38.1	5.3	
10.4		45.6	41.0	
9.4		46.6	31.4	9.0
8.1		58.1	32.7	8.0 GW–
10.4	39	3.6	57.0	
	+1	26.1	–7.6	

5821—5880.

mag.	13h. m	s	—34° ′	
10.4	39	8.6	43.8	
9.8		13.6	38.1	
10.3		34.6	50.2	
9.6		35.1	40.0	
9.4		36.1	49.1	
10.4		40.5	20.3	
9.6		48.0	35.9	
10.4		55.0	11.8	
9.6	40	19.2	7.4	9.5
9.2		34.3	29.2	8.5 –
9.8		38.7	10.8	
10.4		39.5	5.6	
10.0		47.7	57.2	
9.8		48.7	35.6	
10.3	41	5.0	46.0	
10.4		24.9	44.4	
10.4		36.0	30.8	
10.4		47.3	32.0	
10.4	42	2.0	9.9	
9.0		9.0	10.1	
9.6		10.0	40.0	
10.4		15.5	50.1	
9.6		30.5	9.9	
9.6		35.0	13.4	
9.3	43	0.7	51.8	9.5
9.4		2.7	44.2	9.5 –
9.5		4.2	14.1	
10.4		11.2	2.2	
10.0		12.7	47.2	
10.0		24.7	3.7	
10.4		56.7	29.6	
8.9	44	29.7	2.9	9.5 –
10.4		30.7	32.6	
9.3		32.7	45.4	
10.2	45	15.7	49.6	
8.4		16.2	27.0	9.0 –
10.4		31.7	33.5	
10.4		40.7	18.3	
10.4		43.2	2.4	
10.4		45.7	13.7	
9.3		46.7	36.1	
9.0		53.2	44.0	9.0
8.8	46	11.7	0.1	8.0 G–
10.0		20.7	31.5	
10.4		21.7	33.2	
7.8		25.7	2.8	7.8 G
7.0		37.2	41.7	5.6 GS–
10.0		42.7	8.0	
9.8		56.2	12.4	
8.4	47	2.2	46.8	8.5 =
10.4		8.2	19.4	
8.4		8.7	50.2	8.5 G
8.2		10.0	26.5	
9.4		10.5	16.9	
9.6		21.5	23.5	
10.0		28.5	52.0	
10.2		32.5	9.0	
9.7		46.5	14.0	
9.3		52.5	46.0	
9.8	48	0.5	36.1	
	+1	26.9	–7.5	

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5881—5940.

mag.	13ʰ. m	s	—34° ′	
10·4	48	10·0	15·5	
9·0		11·5	20·5	9·5
10·0		20·5	0·5	
9·2		45·5	22·3	9·5
8·8	49	0·5	56·0	9·5
10·4		3·5	34·3	
8·6		4·5	29·3	8·0
9·7		10·0	47·9	
8·4		16·5	42·1	
10·4		35·5	35·4	
8·1		50·5	17·4	7·5 GS=
9·7		59·5	47·1	
10·0	50	5·5	45·5	
10·4		10·0	1·8	
8·6		11·0	49·8	9·0
9·0		27·0	34·6	
8·8		33·0	22·8	9·0
9·5		57·0	34·0	
10·4		59·5	30·6	
9·8	51	0·5	15·8	
10·4		1·5	45·2	
10·4		17·5	49·1	
9·0		20·5	49·6	
8·9		22·5	20·6	8·5 G—
9·5		36·0	10·0	9·5
10·4		56·5	5·7	
10·4	52	15·0	21·7	
10·2		20·4	24·7	
8·5	53	2·4	40·2	—
10·4		5·9	35·2	
10·4		10·5	41·2	
10·4		11·4	25·2	
10·4		14·4	14·2	
8·2		14·4	4·6	8·0 G—
10·0		20·4	49·7	
8·9		23·4	52·2	
10·0		24·4	49·6	
10·4		35·9	22·0	
9·7		45·9	59·9	
9·5		46·9	48·0	
10·2		49·4	36·1	
10·4	54	2·4	33·1	
10·4		8·9	19·1	
9·8		12·9	27·2	
10·4		15·4	32·1	
9·8		17·0	59·2	
9·8		21·4	17·3	
9·5		22·4	14·2	
10·2		31·4	11·8	
9·5		44·4	7·9	
9·8		58·4	30·2	
10·4	55	20·4	59·8	
10·4		23·4	54·6	
8·0		32·9	34·6	8·5 G—
9·8		32·9	41·3	
10·4		44·9	37·1	
9·8		48·9	7·0	
9·5		52·4	2·5	
10·2		56·4	26·3	
10·4		58·4	12·8	
25pr.	+1	27·7	—7·4	

5941—6000.

mag.	13ʰ.–14ʰ. m	s	—34° ′	
9·7	56	12·4	33·7	
9·4		25·4	11·1	
10·0		33·9	49·5	
9·6		50·4	21·0	
10·4	57	8·2	25·3	
10·2		10·2	5·3	
10·4		11·2	1·1	
10·4		28·2	16·1	
10·0		32·2	6·0	
10·4		37·7	53·8	
10·4		44·2	31·4	
9·8	58	11·2	28·1	
10·4		11·7	24·2	
10·4		22·2	31·8	
10·4		23·7	11·1	
10·4		31·2	0·3	
10·4		40·2	28·3	
9·4		45·2	17·1	
10·4		55·2	22·5	
9·0		56·2	6·7	
10·4		57·7	6·1	
9·8		59·2	17·1	
8·8	59	0·7	18·2	
10·4		4·7	41·6	
8·2		7·7	17·9	7·5 GS=t
10·4		8·2	50·0	
9·7		15·2	46·3	
10·4		26·7	33·3	
9·c		36·2	23·9	
10·2		40·2	48·7	
10·4		43·4	3·5	
8·0		43·7	53·8	GS=t
10·2		51·7	36·3	
10·4	0	0·4	51·5	
10·2		11·2	39·3	
9·0		19·7	9·2	9·0 —
7·8		24·2	21·1	7·5 GS—t
10·4		27·2	58·8	
10·4		29·2	46·1	
8·7		55·7	22·5	8·5 G—
10·0		58·0	9·7	
8·8		59·0	42·2	8·5
9·7	1	22·5	39·7	
9·8		25·5	42·8	
10·4		31·0	6·9	
10·4		31·5	57·5	
10·2		33·0	37·3	
9·8		40·0	58·9	
10·4		41·0	37·6	
10·4		44·5	7·9	
10·4		47·0	31·2	
9·6		52·5	48·6	
10·2		53·5	41·4	
7·8	2	1·0	17·2	GS—t
10·0		23·5	44·6	
10·4		33·5	49·9	
9·0		41·0	19·2	
9·8		46·0	30·0	
10·4		58·5	1·1	
10·4	3	1·5	58·1	
	+1	28·3	—7·2	

6001—6060.

mag.	14ʰ. m	s	—34° ′	
10·2	3	3·5	32·8	
9·8		4·0	11·4	
10·2		10·0	42·8	
10·0		19·0	16·0	
10·4		36·0	19·8	
10·2		40·0	44·9	
10·4		45·0	41·3	
9·8	4	0·5	44·1	10·0
9·8		4·5	40·4	9·5
9·5		29·0	59·5	
10·4		40·2	59·7	
10·4		43·8	41·0	
9·5	5	5·3	3·1	9·5
8·8		7·8	49·1	8·5 —
8·9		15·8	46·9	
8·9		21·8	46·8	—
8·4		37·0	1·9	8·5 —
10·0		37·8	13·3	
10·4		39·8	25·1	
10·4		47·8	34·8	
9·7		48·0	27·0	
10·4		53·8	45·9	
10·4		59·8	44·4	
10·0	6	18·8	23·3	
10·2		20·8	16·4	
10·0		22·8	44·2	
8·9		29·8	31·0	9·0
10·4		30·8	0·4	
10·4		40·1	59·2	
10·4		40·8	56·0	
8·0	7	5·5	30·8	8·0 =
9·6		10·5	52·1	
9·9		20·5	40·3	
9·1		22·5	9·7	9·2 —
9·8		40·5	31·6	
8·5		49·5	32·7	
9·7	8	17·0	7·3	
9·5		58·5	11·8	
7·9	9	15·5	25·5	7·5 GS=
9·8		18·5	24·0	9·5
9·5		20·5	40·2	
9·7		47·0	40·4	
9·9		48·5	20·0	
8·6	10	2·5	10·1	8·5 —
9·4		11·5	24·5	
9·2		16·5	53·6	
9·6		44·5	17·8	9·5
9·7		49·5	12·3	
10·0		50·5	15·6	
9·9		50·5	0·2	
10·0	11	39·5	41·7	
9·7	12	4·5	19·4	
8·6		6·5	38·7	9·0 —
8·6		9·5	30·6	9·0 —
9·8		32·5	7·8	
10·0		47·0	29·9	
8·6		48·0	48·8	≡
9·7		48·5	11·9	
7·8	13	9·5	6·1	8·0 GS—t
9·4		22·5	58·8	
	+1	28·9	—7·1	

6061—6120.

mag.	14ʰ. m	s	—34° ′	
9·3	13	30·1	59·6	8·5 G
9·5		31·6	31·1	
10·0		37·1	8·4	
9·6		44·6	26·5	
10·0	14	45·1	11·7	
7·0		50·6	12·8	6·0 GStπ
9·5	15	2·1	24·0	
10·0		8·1	32·7	
9·7		13·6	28·9	
9·7		22·1	33·3	
8·8		52·1	34·9	9·5 —
9·1	16	22·1	41·5	
9·3		27·1	55·3	9·5
9·6		40·1	18·2	
9·7	17	14·4	35·2	
9·2		49·9	46·3	9·0 =
10·0		57·9	2·0	
9·8		59·9	31·8	
9·2	18	27·4	6·5	9·0 —
10·0		31·4	4·2	
10·0		34·4	12·1	
9·5		49·9	38·8	
10·0	19	1·9	6·1	
9·2		18·1	58·7	
9·6		45·4	25·6	
9·9		49·9	38·6	
9·8		54·4	14·9	
7·8		58·9	53·0	7·0 GS=t
9·4	20	5·4	31·7	
8·4		13·9	41·4	7·5 G—
9·7		24·1	59·4	
8·6	21	1·8	27·0	9·0
10·0		31·8	25·9	
9·9	22	7·3	8·7	
9·2		12·3	12·4	9·0 —
9·4		15·8	39·5	
10·0		23·8	22·2	
9·7		35·3	10·0	
9·8		35·3	44·0	
9·1		41·0	58·6	9·0
7·7	23	40·3	7·4	8·0 GS—t
9·8		40·8	48·0	
10·0		48·8	16·0	
9·6		49·8	11·1	
8·4		56·8	47·7	8·5 =
9·0		59·8	43·8	9·5
10·0	24	33·3	28·5	
10·0		33·3	26·0	
10·0		41·3	1·3	
9·9		49·3	25·9	
9·4	25	6·8	38·4	
9·5		11·3	55·9	
10·0		11·8	25·3	
8·8		20·0	58·5	9·0 —
9·8		23·8	27·2	
9·7		30·8	27·7	
8·5		35·8	8·6	8·5 —
9·4		38·3	47·1	
8·8		38·8	9·9	8·0 G—
8·9		47·3	23·9	
	+1	30·0	—6·8	

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6121—6180.

mag.	14h. m	s	−34° ′	
9·4	26	12·8	2·7	8·8
9·6		14·5	57·8	
9·3		30·8	36·3	9·0
9·0		53·1	3·3	8·0 G–
7·8	27	9·6	54·8	8·0 GS–
8·7		18·6	34·9	8·8 –
9·1		27·6	27·0	9·5
9·8		29·6	8·7	
10·0		39·6	11·9	
10·0		40·1	9·2	
9·8	28	2·6	3·2	
9·5		4·6	20·7	
9·8		13·6	42·1	
9·2		15·6	16·0	
9·8		18·6	48·2	
9·7		30·6	16·2	9·0 G
8·5		31·1	21·4	9·5 GS–
8·6		31·6	13·0	8·0 G–
9·2	29	1·6	49·8	
9·8		15·1	12·0	
10·0		15·2	59·3	
8·0		15·6	14·9	8·0 GW–
9·5		20·1	56·5	
10·0		28·7	17·3	
9·7		59·0	4·6	
10·0		59·2	29·5	
10·0		59·2	16·1	
10·0	30	0·2	9·7	
10·0		0·7	23·0	
10·0		1·7	25·4	
9·7		4·2	15·0	
8·2		6·8	58·5	8·0 G=
9·2		27·2	22·1	
9·8		30·7	55·2	
7·5		49·2	43·8	7·0 GS–t
9·4	31	21·2	55·9	
9·8		38·4	42·3	
9·6		40·4	15·3	
10·0	32	9·9	3·1	
10·2		44·4	15·8	
10·2	33	19·4	59·2	
10·2		40·4	3·4	
9·3		40·4	4·6	8·7 –
10·2	34	34·9	55·0	
8·8		41·4	12·3	8·8 –
9·8		50·4	18·6	
9·8		52·4	13·0	
10·2		56·4	51·5	
9·8	35	11·4	36·6	
9·6		12·4	24·9	
9·8		20·9	7·0	
9·8		24·9	39·0	
9·8		26·9	23·4	
10·0		45·4	27·3	
6·6	36	0·4	38·1	4·0 GStπ
9·8		6·4	56·3	
9·8		21·4	29·9	
10·0		32·4	12·4	
9·1		36·4	39·9	9·5
8·8		58·4	22·0	
25pr.	+1	30·8	−6·6	

6181—6240.

mag.	14h. m	s	−34° ′	
9·6	37	10·9	9·7	
9·4		11·4	30·5	
9·8		20·4	13·0	
5·8		20·4	39·6	5·5 GStπ
10·2		44·4	55·1	
10·2	38	17·4	33·6	
9·8		20·9	8·8	
9·6		28·4	6·5	
9·1		36·4	49·2	9·0 G
10·2		48·9	0·6	–
10·2	39	27·4	10·2	
10·2		35·4	50·6	
9·4		50·4	15·8	9·5
10·2	40	0·4	56·0	
10·2		0·4	54·0	
8·0		0·9	12·4	8·0 G=
10·2		1·4	19·4	
10·2		11·4	46·3	
9·6		22·4	12·0	9·5
9·4		35·9	58·8	
10·2		36·4	42·9	
9·8		43·4	20·8	
10·2		44·4	21·4	
9·8		48·4	9·9	
10·2		51·4	33·7	
9·8	41	10·9	44·0	
9·8		13·9	6·1	
9·6		28·9	31·6	
9·6		41·9	25·5	9·5
9·6		46·4	5·7	
9·8		58·9	11·8	
10·0	42	0·4	36·6	
9·6		10·4	30·2	
10·2		19·4	3·9	
10·2		22·9	57·7	
9·4		38·8	22·2	
10·0		44·8	35·6	
7·9		49·8	34·3	9·0 –
9·8		56·8	35·9	
10·2	43	17·8	1·3	
10·0		19·3	42·3	
9·4		20·8	14·0	
10·0	44	0·8	31·0	
9·8		3·3	40·5	
10·0		5·3	33·9	
10·2		11·8	35·3	
10·2		13·8	32·1	
9·6		20·8	30·6	
9·4		29·8	30·4	
10·0		31·8	2·3	
10·2		33·3	3·0	
9·6		49·0	59·0	
9·6		54·8	30·2	
9·4		59·8	40·1	
10·2		59·8	37·2	
10·2	45	9·8	6·7	
8·8		9·8	52·0	9·2
10·2		21·8	47·9	
10·0		34·8	27·2	
9·4		49·8	47·8	
	+1	31·7	−6·4	

6241—6300.

mag.	14h. m	s	−34° ′	
9·4	45	49·8	27·1	
9·8	46	3·8	35·7	
9·8		8·8	43·7	
10·0		23·8	8·8	
9·6		30·8	8·1	
9·8		36·0	59·9	
8·8		48·8	24·4	–
9·6		51·8	51·1	
9·8		58·8	39·4	
10·2	47	8·8	42·6	
10·2		13·0	14·6	
10·2		19·5	26·9	
9·4		40·5	9·6	
10·0		41·0	8·1	
10·2		41·5	13·7	
10·2		43·5	55·1	
9·4		50·0	12·6	
10·2	48	13·5	15·0	
10·0		23·0	14·6	
9·4		27·5	52·9	9·5 =
7·5		49·5	7·4	7·8 GS–g
9·8		50·0	6·7	
9·8		54·5	59·0	
8·3		57·5	43·9	9·0 G–
10·2	49	1·5	24·4	
9·3		14·5	22·3	
10·2		15·0	30·0	
10·0		20·5	36·0	
9·6		33·5	51·9	
9·6		36·0	13·6	
10·0		40·0	4·1	
9·4		48·0	34·1	
8·2		49·5	52·8	7·5 G=
9·6		50·5	22·8	
9·3	50	37·5	16·4	
9·6	51	4·0	17·6	
9·4		13·0	19·2	9·0 G–
10·2		19·5	34·6	
9·4		24·5	20·2	
10·2		29·3	41·5	
10·2		31·5	12·4	
10·2		44·5	52·5	
10·0		57·2	1·5	
9·8		57·3	34·4	
10·0		59·5	25·6	
10·2	52	2·0	20·3	
10·2		8·0	44·8	
9·6		17·0	42·5	
8·8		29·5	36·3	
10·2		34·0	41·0	
10·2		49·5	14·8	
9·0		50·0	33·2	9·5 –
9·6		50·5	33·7	
10·2		50·5	54·8	
10·2	53	0·0	8·6	
9·4		9·5	26·2	
10·2		10·0	53·2	
10·2		17·5	6·1	
10·2		33·5	56·5	
9·2		42·5	55·1	
	+1	32·3	−6·2	

6301—6360.

mag.	14h.–15h. m	s	−34° ′	
10·0	53	49·6	46·0	
10·0		54·3	57·2	
10·2		54·5	52·1	
10·0	54	4·5	27·2	
10·0		7·0	12·2	
9·8		10·5	34·5	
10·2		19·5	32·5	
10·2		43·5	5·1	
10·0		57·5	49·0	
10·0	55	23·0	29·1	
9·2		29·5	19·1	
8·4		35·5	13·0	9·0 G
9·0		36·0	23·5	9·0 –
9·8		55·3	46·6	
9·2		56·8	51·8	9·0
10·0	56	7·5	17·7	
9·6		9·3	25·7	
10·0		24·0	58·0	
10·2		33·0	12·8	
9·4		50·8	41·2	9·0
10·2	57	15·0	56·0	
10·2		29·5	13·8	
10·2		37·5	20·2	
9·8		38·6	53·9	
9·6		50·6	3·1	8·6
8·4	58	30·6	55·1	8·5 –
9·1	59	0·6	35·7	
9·8		58·6	58·7	
9·2	0	2·3	24·4	8·5
9·6	2	22·3	40·5	
9·0		54·3	34·4	9·0 –
9·6	3	4·3	43·9	
9·5		15·3	53·0	
9·6		25·3	45·6	
9·2		47·6	22·0	
9·2		55·1	54·2	9·0
7·9	4	2·1	17·2	8·0 G
9·8		4·6	48·4	
9·0		5·1	56·3	9·2
7·7		31·1	29·6	8·0 –
9·1	5	4·1	23·5	
9·6		30·1	41·8	8·5 G
9·8		53·1	0·1	9·0
9·0	6	51·1	17·4	8·5
9·8	7	41·1	30·0	
9·1	8	0·1	20·1	8·0 G–
7·9	9	21·2	6·8	8·0 G=
9·4	10	38·7	44·9	9·0
9·8	11	18·7	25·2	
8·1	12	22·2	28·0	8·0 GS–
9·1	13	33·2	43·9	9·0
9·8	14	1·2	17·3	9·0
8·6		31·4	10·3	8·8 –
8·6		33·4	15·3	7·5 GS=
8·2	15	41·4	17·6	7·5 GS=
9·8	16	33·9	33·1	9·0
9·8		51·4	19·4	
9·8		52·4	22·1	
9·6	17	16·9	32·2	
9·6		54·9	3·0	9·5
	+1	33·2	−5·9	

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6361—6420.

mag.	15h. m	s	−34° ′	
8.4	18	14.9	10.8	8.7 G–
9.6		25.0	39.7	
9.8		39.0	37.2	
9.2	20	15.0	23.9	9.0
9.0		19.0	29.0	9.0
9.2		19.0	16.0	9.0 G
9.6		43.0	46.8	
9.8	21	0.3	7.6	
9.8		28.5	4.3	
8.6		30.3	58.1	8.3 =
9.3		38.2	25.9	
9.7		53.7	20.0	
9.0	22	43.3	5.8	9.5
9.6	23	59.2	9.6	
9.4	25	46.7	56.3	9.0 –
9.7	26	52.0	2.1	
9.7	27	20.5	21.9	9.5
9.7	28	35.5	18.9	
8.6		55.5	16.6	9.0 –
9.7	31	11.0	59.2	
8.6		28.5	22.2	8.2 –
8.4		30.5	13.3	7.8 G
6.6		50.5	0.2	5.0 GSπβ
8.4		56.0	14.8	8.5 –
8.2	33	55.5	29.0	8.0 –
9.7	34	18.0	55.0	
5.0		43.5	18.3	5.0 GSπβ
8.4	35	0.0	17.6	8.5
8.3		17.5	50.4	8.5 –
9.0		42.5	36.9	
9.0		51.1	57.8	9.0
9.0	36	16.5	52.9	8.2 G–
7.7	37	6.5	42.3	7.5 GS=g
9.0	38	25.0	41.2	9.0
6.1		45.5	17.3	6.0 GStπ
9.2	39	19.9	9.4	
9.7		47.1	6.7	9.5
9.4		49.4	17.7	
9.2	40	1.9	13.0	
8.6		33.9	21.4	9.0 –
8.6		34.9	0.8	8.5 –
9.4	41	44.4	7.2	9.5
8.0	42	54.4	39.9	8.0
9.7	43	17.6	0.7	
9.6		34.4	20.9	9.0
9.7		39.9	29.2	
8.6		59.9	26.9	8.8 G–
9.4	44	25.4	54.8	
9.4	45	4.4	51.4	
9.2		12.4	30.1	
8.8		19.9	48.1	9.0 –
9.0		53.9	53.2	9.0
9.4	46	16.1	1.7	9.0
9.6		42.3	3.0	
9.4	47	18.9	16.6	
9.3		44.1	6.5	
9.2		49.9	25.8	
9.7		50.1	26.2	
9.7		51.8	41.6	
9.7	48	7.6	31.7	
25pr.	+1	35.4	−4.9	

6421—6480.

mag.	15h.–16h. m	s	−34° ′	
9.0	48	27.3	57.5	8.5
8.5		41.8	3.7	8.8
9.7	49	4.8	23.7	
8.6		41.9	48.9	9.0 –
9.7		44.9	50.2	
9.3	50	28.4	26.2	
9.7		32.9	20.3	
9.3		55.9	20.1	9.0
9.4	51	38.4	25.9	
9.2		44.9	14.8	9.0
9.4	52	45.9	56.4	
9.4	53	7.4	5.6	
9.7		21.9	28.0	
9.7		31.4	19.5	
9.7		41.6	35.7	9.5
8.6		44.4	16.3	7.5 GS
9.4		55.4	41.1	
9.7	54	4.9	21.1	
8.3		13.9	55.0	8.8
9.7		28.9	58.4	
9.6		29.9	32.2	
8.2		33.4	54.1	8.8 –
9.3		35.4	26.8	
8.0		38.9	51.3	8.7
9.6	55	3.9	32.0	
9.2		7.4	21.6	
7.9		8.9	56.2	8.2
9.7		19.4	3.0	
8.8		39.9	53.0	9.5
8.8	56	1.9	49.7	9.0
9.7		26.6	35.0	9.5
9.7		39.6	49.1	
9.0	57	28.6	11.8	9.5
9.2		55.1	31.2	
8.6	0	20.1	10.8	8.8
9.3		25.1	15.9	9.0
8.0		25.1	49.6	8.0 =
9.2		52.1	26.5	9.5
9.2		54.1	24.7	8.5
8.1	1	19.6	38.1	8.0 –
9.1		25.6	49.2	8.5
9.2	2	22.1	3.2	
9.3		40.1	8.8	
9.7		55.8	1.6	
9.2	3	24.6	38.0	
9.4		29.3	47.2	
9.2		43.8	9.8	8.5
9.2	4	49.3	19.8	
9.1		49.3	9.7	9.0
9.6		59.3	38.8	
9.4	5	16.3	16.1	9.5
9.7		19.3	17.0	
9.6		46.3	33.7	
9.7	6	3.3	2.4	
9.7		26.3	16.3	
9.6		58.7	31.2	
9.2	7	8.3	31.8	9.5
9.1		22.3	56.9	9.2
9.7		30.3	11.2	
9.6	9	14.3	21.4	9.0
	+1	36.5	−4.3	

6481—6540.

mag.	16h. m	s	−34° ′	
8.0	9	19.3	30.5	8.0 GS–
9.3		36.8	25.6	
9.1		55.8	18.8	8.5
8.3	10	6.8	36.2	7.5 GS–
9.6		30.8	33.4	
9.4		45.8	30.9	
9.2		46.8	26.7	8.5 G
8.6	11	47.8	12.8	9.0
10.0	12	3.4	47.6	9.5
9.8		19.6	40.4	9.0 W
10.0		51.1	54.6	
9.2	13	41.6	35.6	9.2
10.0	14	6.6	20.4	
9.8		11.1	18.8	
10.0		19.6	2.7	8.5 –
9.5		32.6	50.5	
6.6	15	2.6	37.5	7.5 GS–
8.5		5.1	16.0	8.5
8.6		24.1	22.0	9.0
9.4		24.6	39.1	
9.1		30.1	22.5	9.0
9.6		54.9	44.2	
9.2	16	9.9	53.9	
7.4		21.4	53.0	8.0 GS=
9.6		24.9	45.0	
7.0		34.4	36.1	7.5 GS
10.0	17	10.4	39.0	
9.6		11.6	0.2	
7.9		59.9	41.5	8.0 GS=
9.0	18	2.9	39.4	8.5 G
9.4	19	2.6	2.6	8.5 G
9.8		12.4	6.7	
9.4		23.4	10.0	
9.6		39.9	55.1	
9.4		40.9	50.2	8.5
9.6		41.9	21.5	
10.0	20	31.4	47.4	
9.8		32.9	10.5	
9.1		39.9	17.1	9.0
9.8	21	21.4	47.9	
10.0		35.9	13.8	
9.6		37.9	3.1	
9.8		38.4	49.8	
9.8	22	20.4	19.6	
9.6		47.4	17.5	
10.0		59.1	21.8	
7.3	23	1.9	3.5	7.2 GStπ
4.1		12.9	25.8	5.0 GStπ
9.2		33.9	37.9	
10.0		39.4	38.1	
9.4		39.9	30.8	
10.0		49.9	11.0	
10.0	24	0.4	8.9	
10.0		13.9	54.6	
9.2		17.4	43.6	
9.8		21.9	36.1	
10.0		28.4	38.1	
10.0		42.9	55.7	
9.5	25	4.2	34.1	
10.0		9.7	34.5	
	+1	37.6	−3.6	

6541—6600.

mag.	16h. m	s	−34° ′	
9.4	25	22.2	4.9	
8.8		28.2	7.7	8.0 –
7.7		39.7	10.4	7.2 G–
9.5		50.7	11.7	8.8
10.0		54.7	41.4	
9.4		58.7	34.2	
10.0		59.7	35.4	
10.0	26	21.7	49.3	
10.0		27.7	37.1	
9.6		29.7	22.2	9.0
10.0		30.7	0.5	
9.4		49.7	8.1	
9.4		52.2	4.0	
9.6		54.7	29.0	
8.3		59.2	8.5	9.0
10.0		59.2	9.3	
10.0	27	5.7	16.5	
10.0		9.7	33.1	
8.4		18.7	24.1	8.0 –
10.0		20.2	24.3	
10.0		20.7	17.2	
9.8		31.7	22.7	9.0
10.0		52.2	10.0	
9.2		52.7	50.2	8.5
9.6	28	0.2	4.3	
6.4		9.7	59.9	5.0 GStπ
9.1		19.7	32.7	9.0
9.4		20.2	22.2	
8.8		23.7	33.7	9.0
9.6		35.4	58.1	
9.6		37.2	16.8	
9.2		42.2	32.3	9.0
9.6		45.7	9.5	
10.0		53.7	29.6	
9.2	29	1.7	18.8	
8.8		5.2	2.3	
9.6		11.7	51.6	
10.0		14.7	44.1	
9.0		19.2	16.6	9.5
10.0		24.2	45.0	
10.0		34.2	8.9	
9.2		47.7	50.2	
8.6		50.2	7.3	8.5 G
9.4		52.2	33.2	
10.0		59.6	7.9	9.5
10.0	30	8.6	11.9	
9.5		12.6	18.7	
10.0		21.1	3.9	
10.0		27.1	10.8	
10.0		29.6	43.9	
9.4		32.6	35.1	
9.1		32.6	30.2	
8.6		40.6	5.7	8.5
10.0		45.1	45.7	
8.5	31	5.1	37.5	
10.0		11.6	45.3	
10.0		28.1	35.0	
9.4		40.1	35.7	
10.0		57.6	27.2	
8.3	32	21.1	3.2	8.0 G–
	+1	38.0	−3.2	

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6601—6660.

mag.	16h. m	s	—34° ′	
8·8	32	21·1	13·2	
9·6		41·1	28·1	
10·0		48·6	14·3	
9·8	33	8·1	45·4	
9·6		39·6	15·1	
8·5		58·1	13·0	8·5 –
9·6	34	0·1	25·5	
10·0		13·6	29·0	
9·6		24·1	0·3	
10·0		25·6	9·2	9·0
9·0		29·6	30·2	
10·0		32·6	21·6	
9·2		49·6	17·8	
10·0		54·1	24·4	
9·4		58·3	57·7	9·5
10·0	35	15·1	18·2	
9·8		16·1	49·9	
10·0		24·6	55·7	
9·8		45·1	37·6	
10·0		57·1	5·8	
9·4	36	8·6	12·0	
8·6		51·1	3·9	9·5
8·6	37	15·4	22·7	9·0 –
10·0		22·6	41·9	
9·8	38	11·4	52·6	
10·0		20·6	24·7	
10·0		30·7	55·3	9·5
9·2		54·4	54·2	9·2
9·4		54·7	15·4	
9·4		57·7	19·6	
9·4	39	19·7	40·9	
9·6		27·2	56·4	9·5
9·6	40	41·7	51·2	
9·6		44·2	38·5	9·5
5·0	42	3·2	3·8	2·0 GSπβ
9·2		22·7	2·7	
9·6		40·2	58·3	9·5
9·6	43	5·2	11·6	
10·0		49·7	33·0	
10·0	44	41·2	17·4	
9·8		49·2	29·5	
9·8	45	26·2	28·8	
10·0		30·2	34·7	
9·6		47·9	0·9	
9·4		50·2	13·0	10·0
10·0		55·2	19·7	
10·0		57·7	8·2	
10·0	46	11·2	15·3	
10·0		41·7	5·4	
10·0	47	14·7	22·4	
9·2		36·2	17·2	8·5
9·8		38·7	51·5	
10·0	48	16·7	22·5	
10·0		21·7	20·9	
8·8		24·2	5·1	
9·8		43·6	0·0	
10·0		44·7	24·0	
10·0		49·2	39·4	
10·0	49	14·2	32·3	
10·0		34·2	3·7	
25pr.	+1	38·4	−2·9	

6661—6720.

mag.	16h. m	s	—34° ′	
9·6	49	39·7	8·0	9·5
8·4		39·7	12·3	9·0 –
8·6	50	9·7	23·4	9·0 –
10·0		14·7	46·7	
10·0		31·7	20·6	
9·8		39·2	1·7	
10·0		51·2	15·7	
10·0		51·7	14·0	
9·6	51	9·2	34·1	9·5
10·0		9·2	17·3	
9·1		19·2	37·8	9·5
10·0		19·2	12·1	
10·0	52	7·2	30·2	
10·0		21·2	10·3	
9·4		59·2	17·8	
10·0	53	21·2	42·0	
10·0		23·2	31·5	
9·4		37·9	1·3	
9·6		46·7	20·0	
10·0		57·7	43·1	
9·4	54	39·2	56·5	
10·0		43·7	41·2	
10·0		43·7	12·5	
9·6	55	2·7	51·1	
10·0		3·4	34·0	
10·0		3·7	15·0	
9·0		9·7	36·7	9·5
10·0		10·7	12·1	
9·6		17·2	24·6	
10·0		17·2	10·1	
9·4		20·8	23·4	8·5
10·0		42·3	32·0	
9·4		48·3	25·4	
10·0		59·1	40·4	
9·8	56	2·3	14·1	
10·0		4·3	35·2	
9·8		30·8	33·2	
9·2		48·3	19·1	
9·8		49·8	41·1	
9·2		58·8	24·3	
8·6	57	8·8	54·2	8·8 G–
10·0		12·3	38·0	
9·6		13·8	14·9	
9·6		18·3	57·5	
9·6		26·8	49·2	
8·6		32·8	47·8	9·0
9·1		36·8	43·1	9·5
9·2		39·8	25·4	
10·0		44·8	32·7	
9·6		50·3	10·6	
8·8		58·8	31·2	9·0
8·8	58	2·8	25·9	
9·1		5·8	18·2	
9·0		18·8	30·5	9·0
10·0		26·8	1·4	
9·8		32·3	41·8	
9·8		40·3	18·4	
10·0		48·8	44·3	
10·0		51·1	4·0	
10·0		52·3	25·7	
	+1	38·8	−2·3	

6721—6780.

mag.	16h.–17h. m	s	—34° ′	
8·8	58	56·8	49·1	
9·4		56·8	20·5	
9·4		58·3	51·4	
9·1	59	6·3	18·4	
8·0		17·8	20·2	8·5 –
9·0		18·8	52·2	
10·0		30·8	28·8	
9·2		36·8	16·5	9·5
9·2		42·8	18·7	
9·1		43·8	16·0	9·5
9·8		51·3	38·9	
9·6		54·3	3·0	
7·4		57·3	50·2	7·5 GS=
10·0	0	16·3	46·6	
9·1		31·8	40·4	9·0
9·8		36·8	1·0	
9·4		42·3	56·2	
10·0		50·8	33·6	9·5
9·2		53·3	7·5	
10·0		58·8	25·9	
10·0		59·3	1·1	
9·2	1	6·8	35·3	8·0 G–
10·0		13·3	22·7	
9·4		16·8	27·1	
10·0		26·8	34·4	
9·4		36·8	30·5	
10·0		58·8	3·2	
10·0	2	5·8	18·9	
9·8		20·3	18·1	
9·8		40·8	3·4	
10·0		58·8	46·6	
10·0	3	1·8	8·5	9·5
8·6		6·0	5·1	9·2–
9·8		20·2	32·7	
9·8		22·5	0·4	
9·6		23·8	47·4	
9·2		39·7	51·0	9·2
9·8		41·6	33·5	
9·8		57·9	20·5	
8·2	4	6·1	12·8	8·5
9·8		21·8	0·1	
9·4		30·1	6·4	
10·2		41·1	26·9	
10·2		49·1	12·1	
10·0	5	1·1	7·9	
10·2		4·1	8·0	
10·2		10·6	10·1	
10·2		41·6	38·1	
9·5		55·1	23·8	
8·0		59·4	58·8	8·0 G–
9·6	6	2·1	0·9	
10·2		10·6	35·3	
9·8		11·6	12·8	
9·6		13·6	39·5	8·0 G
9·6		25·1	19·1	
8·8		25·1	14·1	
9·4		27·6	13·1	
9·6		43·1	24·5	
10·2		54·1	16·0	
10·2	7	9·1	12·9	
	+1	39·1	−2·1	

6781—6840.

mag.	17h. m	s	—34° ′	
8·8	7	18·6	20·8	
7·4		24·1	12·3	8·0 GS
9·6		28·6	11·9	
8·4		29·6	47·7	G–
9·1		29·6	3·0	
9·8		47·6	7·2	
9·8		52·1	39·0	
10·0	8	14·6	22·4	
10·2		29·6	38·1	
10·2		33·6	7·7	
9·6		38·1	4·9	
9·6		41·1	3·9	
9·2		57·6	8·3	
9·6	9	1·6	6·5	
9·5		5·1	42·2	
9·4		20·6	26·2	
10·2		34·6	37·0	
9·6		37·6	32·0	
8·3		45·1	5·1	8·0 G–
9·2	10	7·6	16·2	
9·4		19·1	3·0	
10·2		28·1	6·0	
7·2		29·6	50·9	6·0 GSC
9·6	11	41·1	6·0	
9·6		57·6	21·6	
9·8	12	4·1	0·0	9·5
9·8		28·6	4·0	
9·6		53·1	14·0	9·0
9·0	13	8·1	13·8	9·0
10·2		32·6	17·2	
9·2	15	12·1	22·0	9·0
7·4		50·6	40·3	7·0 GS
9·5	16	13·1	48·7	
9·6		15·6	20·4	
10·2		29·6	51·9	
9·6		37·6	37·5	
6·6		44·6	34·6	6·5 GS
7·2		50·6	26·5	7·5 GS
7·5		57·6	18·6	7·0 GS
7·7	17	2·1	7·9	7·5 GS=
10·2		23·6	21·8	
8·7		36·1	44·0	9·0
8·7		52·1	26·5	8·5 S
10·2		57·6	28·2	
9·2	18	10·1	10·1	
10·2		35·1	20·8	
10·2		46·1	33·5	
10·2		49·6	30·3	
9·6	19	15·3	59·0	8·8
10·2		26·7	16·3	
9·4		27·2	29·4	9·5
9·4		34·2	51·1	9·0
9·8		39·2	36·0	
10·2		46·9	59·8	
10·2		56·2	34·8	
9·5		57·7	30·0	8·5
10·0		59·2	42·4	
10·0	20	3·7	26·0	
9·2		34·7	39·2	
10·2		42·2	28·0	
	+1	39·3	−1·7	

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6841—6900.

mag.	17h. m	s	−34° ′	
9.8	20	57.7	52.0	
10.2		57.7	35.8	
10.2	21	33.7	24.2	
10.2		44.9	57.2	
9.0	22	2.2	22.6	8.5
8.5		13.2	26.2	8.0 G
9.8		44.2	8.0	
10.2		59.2	54.0	
10.2	23	2.2	53.9	
10.2		29.2	57.3	
10.2		29.2	30.1	
9.0		30.2	2.1	9.0
10.0		32.2	12.4	
10.2		36.7	53.2	
10.2		55.7	56.4	
10.2	24	1.2	17.6	
7.0		8.2	11.0	6.5 GS—
10.2		17.7	3.3	
8.4		19.2	54.6	8.8
10.2		19.2	41.4	
9.8		27.7	40.4	
9.6		44.2	29.4	
9.8		46.7	47.6	
9.6		57.7	27.0	
10.0		59.2	45.7	
8.8	25	2.2	17.2	G
9.6		17.2	49.7	9.0 G
9.8		19.2	11.1	
10.2		20.7	24.1	
9.4		24.4	0.0	9.0
9.6		30.2	11.7	
9.6		54.2	36.9	
9.6	26	7.7	27.0	
7.6		29.2	49.1	8.0 G—
9.1		45.2	1.9	9.0
9.6		49.2	22.5	
9.8		55.2	39.5	
9.5		56.4	2.1	
9.4	27	3.2	8.7	
9.6		6.9	1.7	
9.5		27.7	46.7	
9.8		32.7	45.9	
9.8		39.7	33.1	
10.2		43.4	58.9	
10.0		44.7	53.1	
10.2		48.2	26.2	
10.2		54.7	18.7	
9.6		57.2	56.6	
10.0	28	1.2	10.3	
9.0		10.2	31.1	8.5
9.8		19.9	0.9	9.0
10.2		24.2	6.4	
9.6		30.2	55.2	
10.2		33.7	7.7	
10.2		34.2	30.2	
10.0		38.7	24.8	
10.2		42.2	51.7	
10.2		48.4	24.0	
9.6		57.2	9.2	
9.5	29	1.7	57.8	9.0
25pr.	+1	39.5	−1.3	

6901—6960.

mag.	17h. m	s	−34° ′	
9.6	29	6.0	11.4	
9.6		9.5	7.6	
9.4		10.0	33.5	
9.4		10.5	45.9	
9.6		11.3	1.0	
9.2		14.0	33.9	8.5
9.2		15.5	55.9	9.0
9.6		16.2	56.9	
8.8		18.3	21.6	9.0
7.6		19.6	16.3	7.0 GS
9.4		21.5	42.6	
8.9		36.0	42.9	
9.4		37.0	44.1	
9.4		45.0	8.6	
9.6		56.5	45.1	
9.6	30	0.0	5.8	
9.2		2.0	50.7	
9.2		4.5	13.9	
9.2		7.5	53.0	
9.2		18.0	39.2	
9.5		22.5	6.8	
9.6		22.5	50.5	
8.8		29.0	39.1	9.0
9.2		30.0	37.7	
9.2		33.0	43.7	
9.2		33.0	52.0	
9.6		38.5	20.0	
8.0		41.0	24.3	8.0 G
9.2		45.0	42.5	
9.1		45.5	44.2	
9.5		48.5	37.0	
9.4		51.0	50.7	
9.1		51.0	48.9	9.0
9.6		54.0	45.0	
9.6		59.0	8.8	
9.6		59.0	27.2	
9.0	31	2.0	48.7	9.0
9.2		3.0	12.2	
9.0		4.0	17.5	
8.8		7.0	3.9	9.5 —
9.2		11.0	29.4	
9.4		12.0	7.8	
9.4		15.5	24.5	
9.2		15.7	59.5	
9.4		16.0	42.3	
9.4		20.0	7.1	9.0
9.4		26.0	59.2	
9.4		29.5	13.2	
9.5		44.5	16.3	
9.4		50.0	7.6	
9.2		51.0	32.6	
9.4	32	2.0	43.7	
9.4		3.0	37.1	
9.4		19.5	44.7	
9.6		24.5	35.3	
9.6		29.7	58.1	
9.6		32.0	9.5	
9.6		36.5	11.5	
9.4		40.0	15.5	
8.4		45.0	49.4	8.5
	+1	39.6	−1.1	

6961—7020.

mag.	17h. m	s	−34° ′	
8.3	32	56.0	53.9	8.0 G
9.6		58.0	37.6	
9.5	33	0.0	36.3	
9.4		9.0	34.3	
9.6		12.0	41.9	
7.9		14.0	0.3	8.0 G=
9.2		14.5	52.3	
9.6		16.0	25.1	
9.6		21.0	7.9	
9.0		21.0	18.0	
8.6		24.7	57.3	8.7 —
9.6		25.5	36.2	
9.0		27.0	32.5	
9.6		30.0	9.3	
9.6		31.0	48.0	
9.6		34.0	23.8	
9.6		34.0	34.3	
9.2		38.5	7.0	
9.4		50.0	14.1	
9.6		54.0	46.1	
9.6		56.0	0.7	
8.9	34	0.0	3.7	9.0 G
8.1		16.0	15.1	8.5 GW
9.6		16.0	50.5	
9.0		20.0	45.8	9.0
9.5		22.0	51.5	
9.2		27.0	46.3	
9.6		30.0	47.2	
9.6		32.0	10.3	
9.0		35.5	32.2	
9.5		44.0	47.7	
9.4		46.0	34.8	
9.2		46.5	55.1	
9.6		54.5	34.1	
9.4		58.0	36.8	
9.6	35	6.0	19.0	
9.4		11.5	21.1	
9.6		12.5	16.2	
9.6		16.0	0.2	
9.4		18.0	9.8	
7.9		19.7	1.2	8.0 =
8.3		21.0	53.6	8.5
9.6		21.0	25.7	
9.4		25.0	15.7	
8.7		29.0	23.3	GW
8.7		33.0	59.4	9.0
9.2		39.7	58.9	9.0
9.6		44.0	19.4	
9.2		44.0	21.4	
9.4		46.0	41.2	
8.2		55.0	42.6	8.5 G
9.1		57.0	18.3	
9.6	36	3.5	44.9	
8.7		4.0	33.3	8.5
9.6		5.5	32.3	
9.6		12.0	30.4	
9.6		12.0	20.1	
9.0		16.5	15.0	
9.6		31.0	6.1	
9.4		33.0	27.2	
	+1	39.7	−0.9	

7021—7080.

mag.	17h. m	s	−34° ′	
9.6	36	36.0	30.9	
9.4		36.0	35.3	
9.2		37.0	48.8	
9.0		38.0	59.9	
8.3		40.0	8.9	8.8
9.4		41.0	55.2	
9.2		42.9	57.8	
9.4		44.0	3.4	
9.1		45.2	58.5	
9.4		49.0	7.2	
9.4		49.7	57.0	
9.5		50.0	7.4	
9.6		50.0	13.6	
9.6		54.0	14.0	
9.2	37	8.2	58.0	9.0 G
9.0		8.5	30.0	G
9.6		22.0	26.7	
9.6		27.5	10.2	
9.6		29.1	1.9	
9.2		30.0	6.3	
9.2		30.0	15.3	
9.4		30.5	29.2	
9.4		36.0	51.4	
8.8		39.0	26.7	
8.8		42.0	31.8	G
9.5		43.5	12.4	
9.1		46.0	15.9	
9.6		48.0	56.0	
9.6		50.0	27.8	
9.6		50.0	28.2	
9.6		52.0	19.2	
9.6		53.0	44.9	
9.6		57.9	0.8	
9.2	38	0.5	45.0	9.0
8.8		6.0	42.3	G
7.8		8.5	49.9	8.0 G—
9.6		9.0	25.2	
8.2		18.0	32.0	8.5 G
8.6		20.0	18.0	8.5 G
9.6		22.0	25.5	
9.6		23.0	25.9	
9.2		26.0	2.7	
9.2		28.0	46.2	G
9.2		28.5	39.1	
9.2		30.5	40.7	
9.6		33.0	33.4	
9.2		35.0	25.9	
9.6		36.5	49.6	
9.4		49.2	58.7	
9.6		49.5	13.5	
8.6		53.5	47.9	8.0 GW
9.6	39	1.5	23.1	
8.8		2.0	41.0	8.5 *G*W
8.9		5.0	29.0	9.0 *G*
9.5		6.5	34.1	*G*
9.6		10.0	14.2	
9.4		11.5	47.1	
9.4		12.0	49.1	*G*
8.8		12.0	35.1	*G*
9.2		14.0	4.0	
	+1	39.7	−0.8	

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mag.	17h. m	s	—34° ′	
				7081—7140.
9.4	39	15.0	15.3	
9.6		18.3	59.8	
9.5		21.5	59.5	
9.6		21.7	57.5	
7.7		30.0	15.6	7.0 *G*S
9.4		35.0	27.3	
8.8		35.7	58.1	*G*
9.6		39.5	48.9	
9.6		40.0	52.0	
9.5		41.0	22.3	
9.2		43.5	48.8	
9.5		46.5	41.4	
9.4		48.2	57.7	
9.5		50.0	32.8	
9.2		51.0	54.0	
8.0		52.0	32.0	8.5 *G*
9.6		52.0	16.6	
9.6		53.2	59.0	
8.8		53.5	49.9	*G*
9.5		55.0	7.0	
9.2		55.0	22.6	
9.0		55.0	10.2	
9.6		58.5	25.3	
9.6	40	5.0	28.4	
8.8		6.0	25.0	9.0 *G*
9.0		6.0	46.7	*G*
9.2		8.5	25.9	9.0
9.4		9.1	0.1	
9.4		10.0	6.7	
9.4		10.0	55.8	
9.6		10.0	42.6	
9.6		11.0	43.4	
9.2		12.0	40.3	
9.5		12.0	32.1	
9.0		16.0	25.8	
9.0		16.5	44.2	*G*
9.2		18.0	46.2	*G*
9.5		22.0	55.5	
8.4		24.5	54.2	*G*
9.4		24.5	22.2	
8.7		25.0	0.5	9.0 G
9.4		27.0	13.4	
9.6		28.0	32.4	
9.6		30.0	59.3	
8.8		35.5	15.4	9.0 *G*
9.2		40.0	20.6	
8.8		40.0	47.4	*G*
9.5		40.5	45.2	
9.6		50.0	34.4	
9.6		51.5	23.8	
9.5		55.0	46.1	
8.6	41	7.0	3.0	9.5
9.0		9.0	54.8	*G*
9.6		10.0	56.5	
8.8		16.5	10.0	10.0 *G*
9.4		16.5	13.2	
9.4		17.3	44.7	
9.4		18.8	52.4	
9.6		23.3	46.7	
8.8		24.3	17.2	*G*
25pr.	+1	39.7	—0.7	

mag.	17h. m	s	—34° ′	
				7141—7200.
8.8	41	29.8	54.2	G
9.6		31.8	44.2	
9.6		34.8	46.7	
9.4		39.8	36.6	
9.1		44.8	19.2	
9.6		49.8	6.2	
9.5		50.8	33.1	
8.8		51.3	38.8	9.0 *G*
9.2		58.8	24.8	
8.3	42	0.3	26.0	8.5 *G*
9.5		0.8	40.5	
9.6		6.8	21.8	
9.6		8.3	58.2	
8.4		8.8	16.4	8.8 *G*
9.4		9.8	23.2	
8.9		10.3	18.0	
9.6		14.8	54.4	
9.6		15.8	3.7	
8.9		19.5	2.0	
8.9		19.8	20.3	
9.6		20.6	40.8	
9.5		20.8	53.1	
9.4		23.8	33.4	
9.6		24.8	55.4	
9.6		24.8	54.0	
8.8		25.8	23.2	*G*
8.2		27.8	10.4	8.5 *G*S
9.6		29.3	58.6	
9.6		33.3	24.1	
9.2		33.3	23.0	*G*
9.5		34.8	3.0	
9.4		37.8	20.8	*G*
9.5		37.8	2.2	
9.2		41.3	59.4	*G*
9.6		43.8	48.2	
9.6		44.3	40.6	
9.6		44.8	58.8	
9.6		50.6	2.3	
9.6		54.3	56.8	
8.8		54.8	33.2	*G*
8.8		56.3	46.9	*G*
9.6		56.3	9.2	
9.6		58.8	3.8	
9.2	43	0.8	8.0	
8.6		4.8	59.8	8.5 *G*
9.4		4.8	44.6	
8.6		6.3	31.2	8.5 *G*
9.6		6.8	26.9	
9.6		12.6	59.2	
9.6		13.8	48.6	
9.4		22.8	46.3	*G*
9.4		23.3	34.4	
8.8		24.8	9.0	
9.6		29.3	38.0	
9.6		30.8	16.0	
8.4		30.8	30.5	8.5 *G*
8.8		30.8	48.0	*G*
9.4		31.3	5.8	
9.4		31.3	54.4	
7.7		31.8	44.7	*G*W
	+1	39.7	—0.6	

mag.	17h. m	s	—34° ′	
				7201—7260.
9.0	43	33.3	21.2	
9.6		34.3	45.4	
9.2		39.8	26.4	9.0 *G*
9.6		41.8	52.6	
8.5		44.3	53.5	*G*
9.6		44.8	12.3	
9.6		47.8	15.6	
8.7		47.8	37.1	*G*
9.2		49.8	44.6	
8.6		49.8	51.4	*G*
8.4		49.8	58.0	8.0 *G*
9.4		49.8	16.0	
9.6		49.8	34.8	
9.6		50.8	30.4	
8.9		53.8	38.0	*G*
7.0		53.8	45.7	*G*Wtpπ
8.8		54.8	56.1	*G*
9.6		58.8	7.2	
9.6		58.8	6.5	
8.3		59.8	56.4	8.5 *G*S
8.6		59.8	34.9	*G*
7.7	44	0.8	22.8	7.0 *G*Stπ
9.6		1.8	27.6	
9.2		1.8	19.6	
9.6		4.3	55.2	
9.6		4.8	1.6	
8.5		7.8	48.9	*G*
9.6		9.8	22.9	
9.5		11.8	4.6	
8.8		12.8	28.0	*G*
8.5		17.8	19.1	8.5 *G*
9.2		17.8	11.0	
9.2		18.8	10.7	
8.1		19.8	53.7	*G*
9.2		20.3	46.2	
8.9		22.3	29.6	
9.2		24.8	36.4	
8.9		25.3	43.6	*G*
9.5		25.3	35.4	
8.8		27.8	28.6	9.0 *G*
9.2		29.8	36.0	
7.7		31.8	5.0	7.0 GStπ
9.5		34.8	44.4	
7.8		34.8	59.1	7.0 *G*S—
8.6		34.8	33.4	8.5 *G*
8.4		38.3	24.6	8.0 *G*
9.6		38.8	15.2	
8.9		39.3	55.0	*G*
9.6		39.3	2.8	
9.2		39.8	33.8	
9.4		39.8	19.0	
9.6		40.8	31.3	
9.6		41.3	37.9	
8.6		44.8	43.6	*G*
9.6		45.8	29.2	
9.2		47.8	57.2	
8.8		47.8	42.8	*G*
9.6		49.3	43.8	
9.0		49.8	22.4	
8.8		50.8	47.6	*G*
	+1	39.7	—0.6	

mag.	17h. m	s	—34° ′	
				7261—7320.
9.6	44	53.3	44.6	
9.4		54.3	39.5	
7.7		56.8	35.2	8.0 *G*p
9.5		57.8	21.7	
8.8		58.8	18.2	
7.2		59.8	41.8	7.5 GSc
9.4		59.8	53.6	
9.6		59.8	58.3	
8.0	45	2.0	59.1	7.7 *G*S—
7.4		2.8	51.8	7.0 *G*Stπ
9.4		4.3	12.2	
8.8		7.3	34.2	
8.9		7.7	52.1	
8.6		7.8	22.0	*G*
7.8		9.7	39.5	8.0 *G*W
9.6		9.7	42.4	
9.2		9.7	47.0	
8.7		10.2	43.6	
9.6		10.7	17.6	
9.2		11.2	54.4	
9.6		11.8	33.5	
8.8		12.7	44.1	
9.0		12.7	43.1	
8.8		13.7	43.3	*G*
8.0		14.7	50.0	8.0 *G*W
8.3		16.7	42.2	*G*
9.2		17.2	47.2	
9.1		17.7	3.2	
9.2		18.2	56.3	
9.4		19.2	22.6	*G*
9.2		23.2	44.4	
8.8		23.7	48.0	
8.0		24.2	45.8	*G*W
9.5		24.7	48.7	
8.6		24.7	43.8	*G*
9.1		24.7	47.0	
7.6		24.7	45.2	7.5 *G*
9.5		25.2	44.7	
8.2		25.7	48.9	8.0 *G*Wpπ
9.6		28.7	14.8	
9.4		29.2	34.8	
9.0		30.7	51.8	
9.2		30.7	21.8	
9.0		31.2	13.2	
9.2		32.7	26.2	
7.0		34.7	43.2	*G*Sctπ'
9.6		38.7	13.6	
7.6		38.7	48.0	7.5 *G*W
8.4		40.7	28.7	*G*W
9.2		43.7	40.3	
8.4		43.7	42.2	*G*
9.4		44.7	35.0	
9.6		45.7	46.2	
9.2		45.7	31.8	
9.5		45.7	30.2	
8.5		46.2	43.8	*G*
9.4		48.2	35.0	
9.6		48.2	26.9	
9.0		49.7	11.0	
9.2		49.7	45.4	
	+1	39.7	—0.5	

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7321—7380.

mag.	17h. m s	−34° '	
8·9	45 50·2	46·2	
8·0	52·7	47·5	7·8 *GS*
8·8	53·2	49·0	
9·5	53·2	36·8	
7·7	54·2	41·9	*G*Wc
9·6	58·2	32·0	
9·6	46 0·4	16·6	
7·6	1·2	50·9	8·0 *G*Sct
9·4	1·7	31·8	
8·9	4·7	23·5	
8·8	5·2	37·2	*G*
9·1	6·2	16·6	
8·8	6·7	45·0	*G*
7·4	8·2	26·0	*G*Sct
9·4	11·7	43·4	
9·6	13·7	0·2	
8·8	13·7	43·2	*G*
8·7	14·2	49·8	9·0 *G*
9·5	14·7	44·0	
9·2	15·7	50·2	8·5 *G*
9·2	17·7	32·0	
9·6	18·2	17·4	
9·5	18·7	54·4	
8·8	18·7	9·6	9·5
9·6	19·2	28·5	
9·4	19·7	22·8	
9·1	22·2	36·8	
8·8	23·2	14·8	
8·9	27·0	57·4	*G*
7·6	29·7	30·8	7·5 *GS*
9·1	29·7	7·2	
8·8	30·7	49·0	*G*
8·5	32·2	43·4	*G*
9·6	33·2	51·8	
9·2	35·2	24·3	
9·6	39·4	50·3	
8·8	40·7	57·4	9·0 *G*
9·4	43·7	36·4	
9·2	49·2	9·2	
9·6	51·2	16·7	
9·6	51·7	48·4	
9·6	55·7	16·1	
8·0	57·7	12·4	7·5 *G*
9·0	58·2	54·4	*G*
8·7	59·7	20·4	*G*
9·6	47 1·7	22·3	
9·2	3·7	8·2	
9·4	4·7	2·0	
9·5	4·7	25·1	
9·2	4·7	54·2	
9·2	7·7	6·2	
9·6	9·2	35·4	
9·4	9·7	15·5	
9·2	11·7	49·2	
9·1	11·7	8·3	8·2 *G*
9·2	11·7	27·2	
9·6	13·7	5·2	
9·6	14·2	35·7	
9·2	21·7	28·8	*G*
9·2	24·2	50·8	
25pr.	+1 39·7	−0·5	

7381—7440.

mag.	17h. m s	−34° '	
9·4	47 24·7	5·0	
9·2	29·2	40·0	
8·9	31·7	58·0	*G*
9·2	33·7	25·4	
8·1	38·7	15·7	8·0 *G*
9·2	41·9	59·9	
9·6	44·7	7·2	
9·6	45·7	10·2	
8·9	45·7	9·2	
9·4	46·2	6·2	
9·2	54·2	54·0	
9·2	55·7	19·9	
9·4	58·2	33·7	
9·2	48 1·7	4·4	
8·8	2·2	48·6	*G*
8·4	4·7	28·4	8·0 *G*
8·7	4·7	43·8	*G*
8·8	13·7	9·6	
9·6	13·7	6·3	
8·8	16·7	4·0	
9·4	18·7	39·0	
9·0	19·7	57·8	*G*
9·4	20·7	36·5	
8·4	21·2	30·4	8·0 *G*
8·8	25·7	34·2	*G*
9·2	27·2	17·2	
9·1	28·7	24·8	
8·4	35·7	43·7	*G*W
9·6	39·7	30·0	
9·6	41·7	59·0	
9·6	45·8	34·7	
8·9	48·7	56·6	*G*
9·6	48·7	57·1	
9·6	49·7	44·0	
9·2	50·2	32·2	*G*
8·6	52·2	13·8	8·5 *G*
9·6	53·2	39·0	
9·2	54·2	21·0	
9·2	54·7	4·3	
9·2	55·4	1·0	
9·1	59·7	7·8	
9·6	59·7	52·2	
9·2	59·7	52·9	
9·4	49 1·2	52·0	*G*
9·2	2·2	17·3	
9·6	3·7	51·4	
8·3	4·7	54·6	*G*
9·4	6·7	47·1	
9·6	7·7	1·3	
9·1	10·7	19·2	
9·6	20·7	3·4	
9·6	21·7	14·2	
9·6	25·7	13·5	
9·6	25·7	7·4	
9·6	29·7	30·2	
9·4	32·7	13·8	
9·6	34·7	37·4	
9·6	36·7	19·8	
9·6	37·2	22·0	
9·6	39·7	47·4	
	+1 39·7	−0·4	

7441—7500.

mag.	17h. m s	−34° '	
9·4	49 42·7	20·2	
9·6	43·2	33·6	
9·4	48·2	41·4	
9·6	57·7	44·4	
8·8	50 3·2	26·0	
9·6	4·7	47·1	
9·6	5·7	35·2	
9·6	7·7	37·4	
9·4	9·7	17·4	
9·6	9·7	31·0	
9·6	9·7	7·0	
9·6	11·2	56·0	
9·4	14·7	24·2	
9·5	17·2	50·7	
9·6	18·2	19·4	
9·2	18·7	47·0	
9·4	27·2	50·7	
9·6	28·7	6·2	
9·6	30·7	6·8	
9·4	30·7	25·9	
9·2	34·7	29·4	
9·4	39·5	58·8	
9·6	39·7	59·7	
9·5	41·7	51·2	
9·4	47·7	6·0	
9·6	49·7	23·0	
9·4	59·7	44·8	
9·6	51 5·7	29·0	
9·2	8·7	26·3	
9·0	11·2	50·2	
9·5	11·7	18·2	
9·6	18·7	55·4	
9·1	19·7	40·6	
9·2	21·7	6·2	
9·6	21·7	59·5	
9·0	24·7	28·8	
9·6	28·2	20·4	
9·5	34·7	12·4	
9·6	39·7	42·4	
9·2	41·2	2·4	
9·6	42·2	59·4	
9·2	44·7	7·8	
8·8	49·7	40·5	8·5 G
9·6	50·2	9·3	
9·6	51·2	6·2	
9·6	57·2	51·6	
9·6	57·8	16·3	
9·6	52 1·2	4·9	
9·6	2·8	21·5	
8·8	4·7	46·5	
9·6	8·7	29·2	
9·2	9·7	47·6	
9·5	10·7	26·7	
9·6	13·2	12·5	
9·5	14·2	53·4	
8·8	16·2	11·5	
8·7	25·7	41·9	8·5 –
9·4	26·7	50·2	
9·6	29·7	44·2	
9·6	30·2	39·4	
	+1 39·7	−0·3	

7501—7560.

mag.	17h. m s	−34° '	
9·4	52 30·2	2·1	
9·2	30·7	23·1	
8·9	36·0	57·4	
9·2	37·2	13·8	
9·2	39·7	20·3	
9·4	46·4	2·7	
9·6	48·2	18·4	
9·4	49·7	5·4	
9·4	51·2	41·8	
9·6	54·2	2·6	
8·8	54·7	47·7	
9·4	54·7	10·8	
9·6	53 0·2	43·1	
9·1	3·7	47·1	
9·6	6·7	9·0	
9·6	8·7	51·3	
9·6	9·2	53·6	
9·4	9·7	24·6	
9·6	10·7	39·4	
9·6	11·7	47·1	
9·6	12·7	45·0	
9·4	14·7	7·3	
9·6	15·6	25·2	
9·2	19·2	3·2	
9·2	19·7	49·4	
8·9	19·7	24·2	9·0
9·4	20·2	13·9	
9·2	24·1	42·3	
9·2	30·4	34·4	
9·5	34·7	54·1	
9·2	35·7	42·4	
9·6	37·7	1·8	
8·8	38·7	7·8	
9·2	39·4	47·9	
9·6	47·7	19·3	
9·6	53·2	31·8	
9·6	58·2	22·9	
8·8	54 0·7	33·0	
9·6	1·7	38·2	
9·6	2·2	56·1	
10·4†	5·5	0·4	
8·4	6·0	11·1	9·2 =
9·7	6·5	17·9	
9·5	15·0	52·3	
9·6	17·5	33·1	
9·7	22·0	15·0	
9·7	29·5	0·9	
9·7	31·9	14·8	
10·4†	45·5	1·7	
9·0	51·5	57·8	9·0
8·2	55 7·0	50·6	8·3 G=
9·0	9·0	4·6	
9·7	12·0	41·3	
9·6	15·0	58·8	
9·7	25·0	45·4	
9·7	31·5	53·5	
9·2	51·5	49·2	8·0 G=
8·0	52·0	3·3	7·5 GStπ
9·7	56 5·0	40·5	
9·4	10·0	27·0	
	+1 39·7	−0·2	

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7561—7620.

mag.	17ʰ–18ʰ m s	—34° ′	
9·6	56 24·5	46·8	
9·6	28·0	50·4	
8·8	30·0	43·9	8·0
9·1	32·0	23·9	
9·7	37·5	6·0	
9·6	54·5	15·7	
9·6	57 0·5	18·2	
8·4	2·5	42·4	8·5
9·7	11·0	56·8	
9·3	12·0	16·3	
9·7	15·0	48·3	
9·5	15·5	5·5	
9·7	21·5	37·4	9·0 –
9·4	22·0	37·1	8·5
9·5	37·0	38·7	
9·5	41·5	24·2	
9·4	59·9	19·4	G
9·0	58 2·0	36·9	9·0
8·0	2·0	19·2	8·0 G=
8·3	8·0	30·4	8·5
9·7	9·4	59·4	
8·8	12·5	31·2	9·0
9·5	16·5	43·8	
9·3	18·0	13·0	
9·7	30·0	48·3	
9·5	32·0	5·6	
9·7	32·5	6·2	
9·7	34·0	6·7	
9·6	38·0	42·0	
9·7	59 5·0	52·9	
9·7	10·5	24·9	
9·7	14·0	51·7	
9·3	20·5	8·5	9·0
9·6	25·0	52·9	
8·6	25·0	15·3	8·0 –
9·3	32·0	32·0	
9·6	36·0	45·1	
9·3	38·5	7·8	
9·5	45·0	8·6	
8·8	49·0	35·2	
9·7	52·0	56·3	
9·4	54·0	46·5	9·0
9·7	59·0	38·5	
9·7	0 0·0	33·1	
8·0	5·0	31·3	–
8·8	5·0	50·3	8·0 –
9·7	9·0	27·0	
8·8	18·0	30·6	
9·4	26·0	56·1	
9·2	36·0	21·8	
9·2	40·0	47·7	
9·1	41·5	46·5	8·5 G
8·8	45·0	12·9	
9·0	50·0	35·0	
9·7	53·0	6·9	
8·7	56·5	1·5	9·5
9·1	1 1·5	15·2	
9·0	4·0	11·1	
9·7	5·5	42·3	
9·7	7·0	7·7	
25pr.	+1 39·8	0·0	

7621—7680.

mag.	18ʰ m s	—34° ′	
9·7	1 10·0	9·4	
9·3	13·8	1·9	9·5
9·0	20·5	5·1	9·5
8·8	30·5	45·9	8·0 =
8·5	37·5	53·2	8·8
9·3	38·0	10·5	
9·7	58·0	28·9	
9·7	2 8·0	47·2	
9·7	10·0	30·3	
8·4	12·5	33·3	8·5
9·7	23·0	52·7	
9·1	36·5	14·8	9·0
9·7	40·0	57·9	
9·2	40·0	33·0	
8·8	3 0·0	53·9	8·3
9·4	1·0	15·8	
9·7	7·5	33·7	
9·3	7·5	33·1	9·5
9·5	11·5	25·1	
9·7	14·5	7·9	
9·2	15·0	11·7	
9·3	15·0	44·1	
8·4	31·5	24·9	9·0
9·7	32·0	28·1	
9·7	32·1	57·7	
9·1	32·5	37·1	8·5 –
8·2	41·0	36·9	8·5 –
9·7	41·5	39·7	
9·4	48·0	53·1	
9·5	48·0	50·7	
7·4	50·0	5·5	7·2 GS=
9·5	54·5	31·3	
8·9	55·0	16·1	8·5
8·8	55·0	52·9	9·0
9·7	57·5	46·2	
9·4	4 10·0	32·8	
9·7	16·6	28·1	
9·2	17·6	18·2	
9·5	23·1	50·0	
9·2	24·6	34·4	
9·7	28·1	28·4	
9·7	30·8	19·8	
9·5	31·6	42·0	
9·7	33·1	49·1	
8·8	37·6	21·3	
9·6	41·1	41·6	
9·6	52·1	17·9	
9·7	58·6	32·4	
9·7	5 13·6	28·0	
9·0	14·6	52·3	9·0
8·9	15·1	18·1	9·0 G
9·6	17·6	20·7	
8·6	18·6	56·0	8·9
9·2	18·6	9·6	
9·7	19·6	32·1	
9·7	20·1	55·1	
9·7	26·1	44·1	
9·7	30·6	40·7	
9·7	37·6	27·2	
7·9	44·6	19·1	8·0 –
	+1 39·8	+0·1	

7681—7740.

mag.	18ʰ m s	—34° ′	
9·7	5 44·6	53·5	
8·1	46·6	37·6	7·5 GS=
9·7	46·6	27·3	
9·7	54·6	9·7	
9·1	6 9·6	21·6	
9·5	19·6	30·2	
9·4	32·6	56·3	
9·7	33·6	48·1	
9·7	49·6	11·2	
9·7	51·9	59·1	
9·2	58·6	10·1	9·5
9·7	59·1	23·8	9·0
7·1	7 8·6	37·7	7·0 GS–
9·5	8·6	6·9	
9·7	13·6	9·0	
9·3	24·1	43·1	
9·3	24·6	56·2	8·0 G
9·5	31·6	3·0	
9·7	34·1	38·4	
9·6	41·6	34·4	
9·7	50·6	33·5	
9·7	53·6	9·4	
9·7	8 4·6	35·3	
9·6	9·6	8·9	
9·7	12·6	24·8	
9·1	21·1	42·9	9·0
9·7	24·1	29·0	
9·7	25·6	29·1	
9·7	25·6	54·5	
9·7	26·1	39·5	
9·7	42·1	9·4	
9·7	54·1	29·1	
9·5	54·6	13·0	
9·5	9 4·1	1·7	
9·7	5·1	24·7	
9·5	9·6	59·7	
9·6	13·6	51·3	
9·7	15·1	44·2	
7·0	19·6	8·9	6·5 GS=
9·5	19·6	34·6	
9·0	21·6	8·9	
8·1	23·6	7·8	8·5 W–
8·9	24·1	26·3	8·5 –
9·7	29·6	22·2	
8·8	38·6	46·0	
9·4	47·1	31·1	
9·7	53·6	16·3	
9·3	59·1	40·4	
9·7	10 5·6	11·5	
9·6	9·6	35·5	
7·2	10·1	43·7	7·0 GS=
9·7	10·6	24·2	
9·7	15·1	51·0	
8·6	15·6	29·1	–
9·7	16·1	19·5	
8·8	21·6	13·4	9·0
9·1	25·1	50·0	
9·6	26·6	13·0	
8·8	29·6	27·9	
9·4	31·6	31·5	
	+1 39·7	+0·3	

7741—7800.

mag.	18ʰ m s	—34° ′	
9·3	10 36·6	49·7	
9·3	38·1	25·0	
9·7	49·6	17·8	
9·7	53·4	18·3	
8·3	59·1	47·2	7·5 G=
9·7	11 0·1	30·0	
8·9	6·6	41·4	9·5
9·6	25·6	55·6	
9·7	28·6	55·3	
9·4	30·1	38·6	
9·7	30·3	58·0	
9·5	30·6	25·1	
9·6	32·1	54·2	
9·7	39·6	46·2	
9·5	39·6	25·5	
9·6	40·6	36·8	
7·8	49·6	49·4	7·5 G=
9·3	57·1	31·1	
8·8	12 14·6	22·5	
9·7	15·1	43·9	
9·5	17·6	27·8	
9·7	22·6	56·8	
9·7	35·6	36·2	
9·1	47·6	10·5	9·0
9·7	48·6	36·4	
9·7	49·6	11·1	
9·2	53·6	27·0	
9·7	53·6	2·1	
9·7	13 4·6	10·0	
8·8	5·6	47·6	8·5
9·7	17·6	50·8	
9·7	29·6	11·3	
9·3	30·6	40·6	
9·4	30·6	55·5	
9·2	14 13·6	25·2	
9·2	19·6	27·9	
9·3	31·6	45·4	
9·7	34·6	29·8	
9·6	37·6	54·4	
9·7	39·6	3·4	
9·1	40·1	43·2	9·5
9·7	52·6	25·3	
9·2	15 2·1	19·8	
9·7	11·6	40·2	
8·8	18·3	57·6	7·5 G
9·1	23·6	27·1	
8·8	30·6	15·3	
9·5	32·6	26·4	
9·7	33·6	2·9	
8·8	36·1	43·0	–
9·7	37·6	24·0	
9·3	37·6	52·4	
7·3	45·6	23·6	8·0 GStπ
9·3	48·6	33·5	
9·7	50·6	13·3	
3·9	53·1	26·4	2·0 GSπβ
9·7	53·6	57·0	
9·7	16 4·6	20·1	
9·3	15·6	54·2	
9·2	19·1	3·7	
	+ 1 39·7	+0·5	

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7801—7860.

mag.	18h. m	s	−34° ′	
9.0	16	19.6	7.6	9.0
8.7		20.1	41.2	
9.6		27.6	30.5	
9.7		28.1	50.6	
9.5		28.6	22.0	
8.2		29.6	27.9	8.5
8.8		33.6	14.9	8.5
9.6		33.6	12.9	
9.7		42.1	3.2	
9.3		49.6	56.9	
9.7		54.6	18.3	
9.3		59.6	43.0	
9.0	17	12.1	38.0	
9.7		15.2	30.9	
9.2		29.6	18.8	
9.2		39.1	26.2	
7.1		39.1	0.6	GS–
9.5		43.6	33.4	
9.2		58.6	5.6	
8.8	18	9.1	42.0	
9.4		10.6	10.6	
9.7		20.1	2.5	
9.0		20.4	29.3	
9.7		28.6	21.0	
9.3		28.6	33.9	
8.8		31.4	4.0	9.0 G
9.7		52.3	6.6	9.5
9.0		53.1	4.0	
9.7		57.1	51.1	
8.6	19	5.6	48.6	–
9.7		10.1	32.1	
9.7		18.3	37.4	
8.9		20.1	14.4	8.5 G–
8.7		29.1	11.1	9.0
9.6		31.1	13.5	
9.2		39.1	22.3	
9.4		43.1	34.4	
9.1		50.1	42.6	
9.8		50.1	24.1	
9.4		52.1	36.5	
9.4		58.1	33.9	
9.0	20	10.1	22.0	
9.1		14.1	34.9	
9.4		15.8	59.4	
9.5		21.6	6.4	
9.0		26.1	51.0	
9.4		29.1	36.1	8.5 G
9.8		31.1	43.9	
9.8		37.6	14.9	
9.8		42.1	31.8	
9.8		44.1	4.1	
9.8		54.1	20.5	9.5
9.7		55.1	48.9	
9.4		55.6	30.1	
9.4		57.1	43.8	
9.2		59.1	52.2	
9.2	21	0.1	42.5	
9.4		2.1	35.7	
9.6		2.6	11.6	
9.1		4.6	20.1	9.5
25pr.	+1	39.7	+0.7	

7861—7920.

mag.	18h. m	s	−34° ′	
8.5	21	5.1	36.8	G–
9.8		15.1	7.9	
7.5		21.1	0.7	GSW
9.0		25.1	54.7	
9.0		27.1	20.8	8.5 G–
9.8		29.6	19.8	
9.5		30.1	41.9	
9.4		30.1	34.1	G
9.5		32.1	33.4	
9.2		41.1	50.0	
9.5		56.6	9.4	
9.8	22	14.1	29.2	
9.8		22.1	54.9	
9.0		25.1	43.5	
9.0		30.1	27.4	
9.8		32.1	30.6	
9.2		40.1	4.8	
9.2		45.6	33.5	
8.2	23	4.1	49.9	=
9.8		5.1	44.6	
9.4		22.1	50.8	
9.5		24.6	49.1	
9.8		27.8	9.6	
9.8		30.1	43.9	
9.2		36.6	39.7	
9.4		56.1	6.1	
9.1		58.6	41.4	
9.2	24	30.1	27.1	
9.8		32.6	49.8	
9.7		47.1	56.1	
9.8		50.6	52.8	
9.4		54.1	39.9	
9.4		57.1	41.1	
9.4	25	1.1	33.2	
9.2		10.1	16.9	
9.0		11.1	24.8	
9.8		16.1	0.2	
9.2		20.1	48.8	
9.4		20.1	50.1	
8.7		30.1	12.5	
8.9		30.1	34.8	
9.5		32.1	48.9	
9.8		36.1	23.8	
9.8	26	6.1	52.7	
7.1		8.1	54.5	7.5 GS–
9.2		10.6	40.8	
9.0		13.1	14.1	
9.4		15.1	56.6	
9.8		24.1	46.1	
9.5		25.1	8.6	
8.5		25.1	27.0	–
9.0		36.1	0.5	
9.8		36.1	8.0	
9.6		40.1	24.7	
9.1		40.1	41.5	
9.2		43.1	26.7	
9.8		45.1	23.9	
9.8		54.6	9.4	
8.7		59.1	30.0	
9.8	27	1.6	29.7	
	+1	39.7	+0.9	

7921—7980.

mag.	18h. m	s	−34° ′	
9.7	27	3.6	13.0	
9.8		4.6	11.2	
9.2		9.1	0.8	
9.2		14.1	39.9	
9.6		22.1	2.9	
9.2		26.1	58.5	
9.4		26.6	7.9	
8.8		31.1	2.9	9.5
9.6		32.6	50.9	
9.8		33.6	49.8	
9.6		44.1	16.7	
9.4		45.6	35.3	
9.2		50.1	34.9	
8.6		54.1	12.7	9.0 –
9.2	28	2.1	5.2	9.0
9.2		4.1	28.7	
8.7		9.1	48.2	9.5
9.4		10.1	41.9	
9.8		14.6	49.6	
9.8		27.1	42.1	
9.1		28.6	51.6	
9.2		35.1	52.6	
9.1		37.1	59.2	
9.2		46.6	37.4	9.0
9.7		46.6	0.8	
9.8		47.4	11.7	
9.1		54.1	2.2	
8.7		54.6	16.7	
9.4	29	1.1	57.7	
8.3		9.1	56.8	8.0 G–
9.2		19.1	28.5	
9.7		19.4	11.2	
9.1		24.1	10.9	
7.9		25.1	38.8	8.0 G=
9.2		30.1	50.6	
9.1		33.1	24.3	
9.2		39.6	33.3	
9.2		40.1	6.4	
9.6		43.1	56.0	
9.2		52.1	55.0	9.0
9.7		54.6	30.0	
9.4		56.1	16.3	
9.4		57.1	5.6	
9.4		58.1	39.4	
9.4		59.1	44.1	
9.4		59.6	25.0	9.5
9.0	30	14.1	24.9	9.5
8.0		16.1	6.1	–
9.1		23.1	22.2	
9.2		26.6	24.2	
9.5		32.1	0.4	
9.8		39.1	45.6	
9.4		58.1	52.9	
9.2	31	0.1	8.7	
9.1		1.1	20.9	
7.6		1.1	16.3	7.5 GS–
9.2		15.1	21.3	
9.2		16.1	44.3	
9.8		19.1	45.1	
9.7		27.6	25.7	
	+1	39.6	+1.1	

7981—8040.

mag.	18h. m	s	−34° ′	
9.4	31	39.6	50.7	
8.8		41.1	42.3	
9.7		54.1	33.9	
9.4		54.1	11.3	
9.7		57.1	17.7	
9.2	32	0.1	20.5	
9.2		3.1	41.0	
9.5		7.6	48.9	
9.5		12.1	45.1	
9.2		16.1	52.3	
9.2		20.1	12.9	
9.8		23.1	30.1	
9.0		24.1	15.5	
9.5		25.6	3.3	
9.4		26.1	10.5	
8.6		39.3	59.5	
9.2		42.6	29.9	
9.2		46.6	26.2	
9.0		53.6	39.2	
9.8		59.6	42.9	
9.4	33	0.1	0.7	
8.8		3.1	29.3	9.0
9.8		4.6	14.6	
9.8		5.6	12.8	
9.8		16.1	52.2	
9.8		20.1	22.9	
9.8		21.1	31.3	
9.2		25.1	37.9	
9.2		26.1	1.2	
9.8		30.1	45.2	
9.4		35.1	33.3	
9.8		36.1	19.7	
9.2		41.1	25.7	
8.3		45.1	34.7	8.0 G–
9.6		49.6	43.7	
9.7		50.1	10.1	
9.4		51.1	6.9	
8.6		55.6	9.3	8.5
9.6	34	1.1	19.1	
9.8		5.1	2.2	
9.0		8.1	51.5	
9.6		10.1	41.4	
9.0		12.6	18.0	
9.6		31.6	46.8	
9.8		42.6	47.2	
9.7		49.6	41.1	
9.8		53.1	51.7	
9.8		57.6	31.9	
9.8		58.6	19.9	
9.2	35	1.1	25.5	
9.4		4.1	47.7	
9.6		6.1	25.1	
9.8		7.1	29.9	
9.7		7.6	29.3	
8.6		8.1	9.1	9.5 G
9.1		8.1	45.3	
8.3		15.3	2.6	8.0 G
9.6		30.1	26.5	
9.8		30.1	23.4	
8.8		34.1	3.7	
	+1	39.5	+1.2	

8041—8100.

mag.	18h. m	s	—34° ′	
9.5	35	35.1	18.7	
9.5		52.1	12.9	
9.7		57.1	8.1	
9.4		57.1	44.8	
9.8		57.6	11.8	
9.7	36	4.6	20.9	
9.8		5.1	28.5	
9.8		10.8	0.0	
9.4		26.1	8.1	
9.8		30.0	56.2	
9.5		31.1	17.8	
8.9		48.0	26.0	
9.2	37	7.5	6.2	
9.4		9.0	23.5	
9.8		19.0	9.1	
9.6		20.0	52.2	
9.8		22.5	12.0	
9.5		23.c	47.2	
9.8		32.0	25.5	
9.7		34.5	33.1	
8.6		38.0	42.0	8.0 G–
9.2		39.5	36.2	
9.2		41.5	11.0	
9.4		42.5	15.4	
9.2	38	12.5	58.6	
9.7		15.5	32.7	
8.4		15.8	2.2	7.5 GS–
9.8		31.5	43.1	
9.2		35.0	20.8	
9.1		44.5	42.8	
9.8		53.0	39.8	
9.4		55.0	44.3	
9.6	39	1.5	24.0	
9.5		13.0	38.0	
9.5		14.5	44.5	
9.6		28.5	25.9	
9.7		28.5	28.2	
9.2		30.0	41.3	
9.8		35.7	0.5	
9.5		47.5	36.6	
9.4		50.5	33.4	
7.4		59.8	2.4	7.0 GS–
9.7	40	0.0	46.0	
9.2		4.5	40.0	
9.8		5.5	31.2	
9.7		10.8	2.4	
9.7		17.3	2.4	
9.4		19.1	0.6	
9.8		33.5	35.4	
9.2		34.5	52.0	
9.8		39.5	27.0	
9.2		44.5	41.0	
9.2		50.0	9.2	
8.0		59.0	53.0	7.0 GS–
9.2	41	1.0	51.8	
9.8		9.5	43.2	
9.4		10.0	23.6	
9.7		11.5	5.1	
9.8		12.5	43.2	
9.0		24.0	49.2	
25pr.	+1	39.4	+1.4	

8101—8160.

mag.	18h m	s	—34° ′	
9.8	41	24.5	7.5	
8.7		30.0	40.0	8.0 G=
9.2		35.0	29.6	
7.9		36.0	19.7	8.0 –
9.2		54.0	14.9	
9.8		58.3	0.3	
9.8	42	8.1	0.0	
9.7		14.0	13.3	
9.0		22.0	30.4	8.5 G
9.2		25.0	56.0	
9.8		26.0	51.0	
7.5		30.0	26.7	7.5 GS–
9.7		42.0	5.0	
9.4		49.5	55.4	
9.1		51.0	36.8	
9.2	43	5.5	14.0	
9.6		6.0	49.2	
9.7		13.5	1.6	
9.7		18.5	26.0	
8.6		31.0	9.4	8.5 G
9.2		34.0	22.8	
9.7		42.5	42.2	
9.7		46.5	6.1	
9.5		51.5	32.9	
9.8		57.0	31.8	
9.8	44	2.8	48.9	
9.7		15.0	58.8	
9.7		17.3	25.5	
9.8		36.0	38.9	
8.7		37.3	42.1	8.0 G–
9.4		39.8	15.2	9.5 G
9.7		44.8	42.1	G
9.2		49.8	34.9	
9.6		52.3	4.7	
9.1	45	6.0	45.8	8.5 –
10.0		18.5	24.0	
10.2		22.5	30.6	
9.4		25.0	42.8	
9.9		26.0	5.7	
9.7		33.5	31.4	
10.2		47.5	17.5	
10.2		53.0	49.1	
10.1	46	4.5	20.6	
10.2		11.0	11.3	
10.1		14.5	40.2	
9.4		27.0	15.1	
9.1		36.0	24.1	
10.0		39.5	24.4	
9.4		48.5	8.6	
10.2		50.1	34.5	
9.3		52.0	14.4	9.0
9.4	47	1.0	29.7	
9.9		13.5	21.5	
9.2		19.5	48.0	
9.4		20.0	46.2	
10.2		22.0	8.9	
10.1		38.0	39.3	
9.9		48.0	13.9	
8.8		52.0	28.3	
8.8	48	2.5	28.1	–
	+1	39.3	+1.6	

8161—8220.

mag.	18h. m	s	—34° ′	
10.1	48	9.5	31.6	
9.6		10.0	14.8	
10.2		13.0	30.0	
10.2		16.0	29.7	
9.3		21.0	53.2	
9.6		22.0	20.9	
10.2		23.1	33.4	
10.0		27.0	20.8	
10.2		34.1	3.2	
9.6		44.0	58.8	
9.4		49.0	38.2	
9.3		54.5	51.9	
9.9		56.0	13.9	
10.4†	49	4.4	1.8	
9.0		9.0	1.6	
9.7		12.0	4.7	
9.7		24.0	44.3	
9.8		30.0	41.7	
10.0		31.5	18.1	
9.9		38.0	28.5	
10.2		39.5	17.9	
10.1		41.5	23.6	
9.0		47.0	21.2	
10.1		48.0	0.2	
10.2		50.0	5.2	
10.0		50.0	11.4	
8.5		59.0	25.9	8.5
10.1	50	4.0	6.7	
9.7		5.0	9.7	
9.7		5.5	49.0	
9.4		9.2	22.5	
8.3		10.0	59.9	–
7.2		12.5	22.7	7.0 GS–
10.2		20.0	42.1	
10.2		21.5	47.3	
9.7		26.0	20.5	9.0 G
10.2		32.5	46.2	
10.2		43.5	35.6	
10.2		44.5	55.3	
10.2		49.5	26.3	
10.1		50.0	10.3	
9.7		57.5	3.5	
9.4		59.5	44.5	
9.2		59.5	4.7	
9.9	51	15.0	52.1	
9.6		19.5	32.7	
10.2		19.5	28.5	
10.0		28.5	33.2	
8.6		29.0	38.1	8.0 G≡
8.6		37.0	6.6	–
8.9		38.0	34.1	9.5
9.6		48.0	58.0	
9.4		58.5	58.5	
9.9		59.7	2.1	
10.2	52	3.0	52.8	
10.1		3.6	22.9	
8.9		11.0	11.5	
10.2		14.0	44.5	
9.6		21.0	32.2	
10.0		39.0	31.1	
	+1	39.2	+1.8	

8221—8280.

mag.	18h. m	s	—34° ′	
9.4	52	45.0	55.3	
10.2		46.5	31.9	
9.4		51.0	22.9	
7.9	53	11.5	40.5	≡
8.3		13.4	32.9	–
9.7		16.4	30.3	
9.7		19.4	26.2	
9.8		19.9	17.1	
10.2		27.4	55.9	
8.9		28.9	12.1	
10.2		29.6	52.4	
8.4		39.9	58.7	8.2 G
10.2		48.9	31.2	
9.7		57.4	33.2	
7.2	54	16.4	48.5	7.5 GS≡
10.0		17.4	51.4	
9.4		25.4	7.4	
10.1		29.6	26.9	
10.0		34.4	43.9	
9.9		47.9	8.1	
9.8		53.9	46.1	
10.1		55.9	32.9	
10.2		59.9	10.0	
10.2	55	15.4	30.6	
10.2		16.9	32.9	
9.6		20.4	31.7	
10.2		20.9	4.0	
9.9		31.9	35.1	
10.1		41.9	26.1	
9.9		42.4	6.1	
10.2		43.6	32.3	
8.9		49.9	33.1	8.5 G–
10.2		50.4	13.3	
10.2		53.9	32.2	G
10.2		55.9	12.3	
9.8		57.9	5.1	
10.0	56	1.9	50.9	
9.4		7.9	22.6	
9.6		8.4	46.7	9.0
10.2		24.4	37.1	
10.2		25.4	8.3	
10.0		26.9	16.2	
10.2		27.4	49.1	
9.6		28.6	37.5	
10.2		29.1	31.9	G
9.3		33.9	39.9	
9.4		33.9	45.9	9.0
8.5		35.4	31.6	8.5 G–
10.1		39.9	44.2	
10.2		46.4	34.0	
10.2		46.9	17.7	
9.6		56.4	35.3	
9.7	57	3.4	24.1	
10.0		8.4	31.7	
8.5		11.4	27.5	9.0
10.2		14.9	14.2	
10.0		26.4	57.6	
9.4		31.9	15.5	
9.6		34.9	31.9	
10.1		46.4	40.2	
	+1	39.1	+2.0	

8281—8340.

mag.	18h.–19h. m s	—34° ′	
9·8	57 59·9	57·8	
9·2	58 9·9	23·0	
9·9	22·9	5·5	
10·1	36·9	53·4	
10·2	58·4	55·3	
10·0	59 11·4	22·4	
9·7	20·4	48·7	
10·2	29·9	14·9	
10·2	35·2	59·5	
9·6	44·9	14·7	9·5
8·8	47·9	40·1	=
10·2	59·9	49·2	
8·9	0 6·4	7·8	9·0
10·2	22·3	59·1	
10·2	29·9	17·3	
9·7	39·6	2·1	
10·2	46·9	49·4	
8·8	52·4	12·7	
10·0	55·4	52·3	
10·0	56·9	4·7	
10·2	59·7	21·4	
8·6	1 6·9	41·1	8·0 G=
9·9	9·7	59·3	
9·2	13·9	29·8	8·5 G
9·8	15·4	17·3	
10·2	18·4	48·7	
8·7	18·9	11·7	
8·1	24·9	52·9	
9·7	27·9	51·9	
9·4	35·9	42·9	9·5
9·6	50·9	54·7	
9·7	2 1·9	25·1	
10·0	3·9	17·9	
8·9	21·4	29·6	9·5
10·1	25·6	19·0	
10·0	27·9	11·1	
10·2	35·4	38·6	
10·2	37·9	10·8	
9·2	41·4	17·8	
10·0	44·9	47·0	
9·6	3 10·9	16·5	
9·6	19·9	47·2	
8·6	24·4	25·4	9·0 –
9·4	33·4	9·9	
9·6	36·4	50·4	9·5
9·9	39·9	35·5	
10·2	4 1·9	45·0	
10·0	13·9	53·8	
10·2	20·9	43·8	
9·9	30·9	33·0	
9·4	30·9	41·3	
7·6	32·4	3·2	7·2 GS– :
10·2	34·4	19·0	
8·3	34·9	38·3	=
10·2	42·9	4·2	
10·2	45·9	52·4	
9·5	50·4	55·0	9·0 G
9·4	5 0·9	9·2	
9·4	9·9	41·0	
9·9	12·9	19·9	
25pr.	+1 38·9	+2·2	

8341—8400.

mag.	19h. m s	—34° ′	
10·2	5 14·9	52·2	
10·2	16·9	32·0	
10·2	19·9	30·6	
10·2	54·4	56·1	
10·2	54·9	39·3	
10·1	56·4	22·0	
9·4	6 5·4	33·8	
10·1	9·4	45·6	
9·1	9·9	20·7	9·0
10·0	11·9	45·9	
9·9	16·8	4·2	
9·9	24·8	29·2	
8·8	41·8	17·1	9·0 G–
9·9	55·0	57·7	
9·4	57·8	52·1	
9·9	59·8	53·2	
8·5	7 3·3	29·9	8·0 G–
8·3	3·8	8·8	8·2
9·8	5·7	56·9	
9·9	14·8	27·0	
10·2	27·3	34·9	
10·2	27·8	7·0	
10·2	29·8	34·6	
9·7	32·0	57·8	
8·9	32·3	28·9	9·0
9·9	40·3	37·0	
10·2	48·3	23·5	
10·2	50·8	13·5	
10·2	51·4	4·0	
10·2	8 1·3	37·4	
10·0	4·3	34·0	
8·5	4·3	39·7	9·0
10·1	11·3	14·2	
7·6	17·2	1·7	8·0 GS
10·1	20·3	25·7	
10·0	34·3	51·3	
10·0	43·8	31·1	
8·6	52·8	25·0	–
10·0	9 0·6	57·2	
10·0	1·4	53·3	
9·8	5·4	11·8	
9·8	15·4	47·7	
8·2	22·9	44·7	8·5
9·4	41·9	20·8	
7·9	42·4	44·3	8·5 –
9·2	50·9	51·9	
8·9	10 2·9	13·7	8·5
8·4	12·9	11·1	8·5
9·6	30·9	33·0	
8·6	33·4	22·6	9·0
8·4	40·9	26·1	8·0 G–
10·0	11 36·4	6·9	
10·0	12 4·9	40·3	
9·4	6·4	29·7	8·5 –
9·8	55·4	27·9	
10·0	13 2·4	2·9	
8·2	5·9	58·4	8·5
9·8	8·9	36·3	
8·9	44·6	10·9	
10·0	51·1	32·1	
	+1 38·8	+2·4	

8401—8460.

mag.	19h. m s	—34° ′	
9·6	14 7·1	50·1	
8·9	15 0·6	52·3	9·5 G
10·0	1·6	39·2	
9·8	6·1	10·9	
9·2	12·1	39·8	
8·8	17·1	45·7	9·5
9·8	22·6	27·6	
9·6	56·1	47·0	
9·8	16 35·6	28·3	
9·6	17 12·1	34·6	
9·0	25·6	31·4	9·0 W–
10·0	33·7	14·1	
9·4	35·7	15·4	
8·3	36·2	38·9	8·5 W–
9·2	55·7	18·1	9·5
9·4	18 23·2	31·3	
10·0	34·2	41·1	
9·4	36·2	41·4	
9·8	38·2	37·0	
8·8	38·7	21·4	9·0
10·0	39·7	33·8	
9·7	41·7	54·8	
9·8	57·7	11·0	
10·0	19 4·2	47·2	
9·8	9·2	4·6	
9·6	49·2	14·0	
10·0	55·2	44·3	
9·4	59·2	25·9	
9·8	20 0·2	29·7	
10·0	54·2	38·0	
10·2†	21 12·4	0·1	
10·0	26·2	46·9	
9·1	27·7	11·6	9·5'
10·0	32·2	22·7	
9·4	39·7	53·0	
10·0	22 4·2	12·0	
9·8	14·7	34·5	
8·6	20·2	10·0	8·0 G
9·7	24·2	48·7	
9·4	32·2	39·6	
9·6	35·0	0·8	9·0 –
9·8	35·2	38·8	
8·8	50·2	21·8	
10·0	23 15·2	32·3	
9·8	39·2	14·2	
9·6	45·2	13·7	
10·0	45·2	21·5	
9·8	51·7	30·5	
9·2	24 8·7	36·9	
9·4	14·2	1·1	8·5 G
9·4	30·2	17·9	
9·8	30·2	12·9	
8·9	53·7	39·8	
9·6	25 0·2	38·4	
9·6	24·2	27·3	
7·2	32·2	27·7	7·0 GS
9·1	32·2	47·7	9·0 G
9·4	32·2	54·9	
10·0	45·2	22·5	
10·0	46·2	15·0	
	+1 38·4	+2·9	

8461—8520.

mag.	19h. m s	—34° ′	
10·0	25 48·2	15·1	
9·4	26 7·2	9·2	
10·0	10·2	56·2	
9·4	12·2	35·1	
10·0	41·2	40·7	
10·0	50·2	13·6	
9·6	50·2	26·0	
9·8	27 5·7	23·6	
10·0	11·4	57·4	
9·2	16·2	15·6	
9·1	20·9	1·7	
9·4	27·7	24·1	
8·6	36·2	46·9	=
10·0	40·2	40·0	
8·4	28 5·2	55·8	=
9·8	12·7	47·9	
10·0	17·2	29·3	
9·8	34·2	8·1	
9·6	45·2	24·4	
10·0	54·7	9·0	
10·0	56·7	29·2	
8·6	29 4·7	34·0	8·5 –
8·8	22·2	31·9	9·0
9·4	27·7	42·0	
9·1	31·9	59·9	9·2
9·1	33·7	31·3	
8·8	37·7	28·5	9·5
9·2	40·2	6·8	8·5 –
9·8	53·7	55·8	
9·8	30 24·2	27·2	
7·4	24·2	49·4	7·5 G≡
9·4	27·2	11·8	
10·0	46·7	56·0	
8·9	49·7	34·2	8·5
9·2	58·2	42·3	
8·8	31 40·2	19·7	9·0
9·1	50·9	0·8	
8·6	57·7	24·8	8·5 G
9·2	32 14·7	14·4	9·5
10·0	31·7	28·1	
8·4	44·7	12·5	8·8
9·8	45·2	47·2	
9·8	33 58·7	9·3	
9·8	35 34·6	53·7	
8·2	47·0	58·6	8·2 G
9·5	36 18·5	48·6	
8·4	18·5	17·6	9·0
9·8	37 14·5	55·0	
9·6	32·5	52·2	
9·6	39 3·0	4·5	10·0
9·8	10·0	24·0	
9·8	17·2	1·0	
9·5	36·0	54·6	
8·9	40 11·5	55·2	8·5
9·8	21·5	39·3	
9·8	29·5	30·7	
9·3	41 14·7	0·9	
8·6	39·5	34·0	9·0
8·4	42 9·5	58·5	8·8 G–
9·8	39·5	38·0	
	+1 38·0	+3·2	

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8521—8580.

mag.	19h. m	s	−34° ′	
9·8	42	43·7	29·0	
9·3	43	7·7	35·0	
9·4		30·2	39·0	
9·5		51·2	43·1	
9·8	44	31·2	19·7	
9·8	45	8·7	9·0	
9·8		24·2	2·2	
9·8		30·2	28·9	
9·8	46	8·7	36·0	
9·8		12·2	9·1	
8·4		13·2	48·3	
9·6		29·2	47·1	
9·8		32·2	52·4	
9·5		56·7	56·1	
9·8		57·7	3·3	
9·6	47	4·7	32·6	
9·8		8·2	10·0	
8·9		13·7	59·9	
9·4	48	1·2	32·6	
9·8		34·7	47·4	
9·8		57·2	26·3	
8·2	49	2·7	53·4	7·8 G=
8·4		6·7	40·1	
9·1		33·7	3·9	
9·8		38·7	51·3	
9·5		38·7	12·5	
8·2		44·7	32·8	
9·2		51·7	8·8	
9·8	50	22·7	43·7	
9·2		22·7	3·0	
9·2		23·7	35·9	
9·1		24·2	9·1	
9·3		41·7	40·8	
9·8		54·7	8·0	
9·8		59·2	25·2	
9·8	51	18·9	21·0	
8·7		19·4	43·6	
9·5		30·9	48·9	
9·8		41·4	24·0	
9·8		44·4	5·0	
6·6	52	17·0	2·0	6·0 GS−
9·8		18·4	11·4	
9·8		21·9	2·9	
9·5		42·4	38·4	
8·4	53	27·4	27·7	
8·2		33·4	55·5	8·2 G=
9·6	54	8·9	23·1	
9·5		10·9	16·3	
9·0		28·9	35·2	
9·8		29·4	32·8	
8·4		29·4	12·7	
9·0		31·4	7·9	
9·5	55	3·9	24·0	
9·5		5·9	22·1	
9·8		8·4	48·0	
9·8		23·4	32·1	
9·0		43·4	22·0	
9·8	56	14·9	33·9	
9·8		16·9	51·2	
9·1		38·9	15·1	
25pr.	+1	37·2	+3·9	

8581—8640.

mag.	19h.-20h. m	s	−34° ′	
9·0	56	43·4	20·5	
8·3		58·9	6·2	8·5
9·1	57	1·9	22·2	G
9·1		30·9	15·2	
9·8		32·9	34·9	
9·0	58	8·9	1·3	
9·5		22·9	50·5	
9·8		26·9	21·8	
9·5		45·4	23·0	
9·0	59	25·0	18·4	
9·8		29·4	17·2	
9·2		29·7	38·4	
9·8		34·3	3·0	
10·1	0	1·0	26·6	
8·6		2·9	13·3	
10·1		10·5	21·3	
7·7		14·5	59·3	8·5 −
7·7		27·5	52·3	8·0 G−
7·0	1	24·0	14·0	8·0 GS
10·1		31·5	2·0	
8·7		33·5	21·9	
8·4		34·5	53·8	9·0
10·1		52·0	18·3	
10·1	2	1·5	45·0	
9·3		25·0	38·2	
9·4		33·0	55·9	
10·0	3	4·0	44·1	
10·1		42·0	20·8	
10·0	4	11·0	21·7	
9·4		17·0	42·8	
10·1		20·5	26·4	
10·1		22·0	28·2	
8·9		27·0	59·0	
8·4		39·5	43·4	
9·8		59·0	43·3	
10·1	5	12·0	43·3	
10·1		21·5	28·5	
8·7		29·5	55·2	
8·8		29·5	46·7	
7·1		40·5	29·3	6·5 GS
10·1		46·5	47·2	
8·4	6	17·6	9·6	8·5 G
10·0		41·0	1·2	
9·8		43·5	39·5	
9·6		54·0	56·9	
9·4	7	16·5	24·1	
10·1		19·0	31·6	
10·1	8	27·0	8·3	
9·4		43·9	59·9	
10·1	9	0·0	16·3	
8·0		39·0	4·0	8·2 G
9·2		41·5	20·1	
8·4		47·5	21·4	9·0 −
8·8	10	10·5	47·3	
10·1		13·0	57·3	
9·8		17·0	21·0	
10·0		24·0	35·0	
8·6		25·5	36·9	9·0 −
9·8		27·5	28·3	
9·8		28·5	0·2	
	+1	36·5	+4·3	

8641—8700.

mag.	20h. m	s	−34° ′	
9·8	10	30·5	53·7	
10·1		57·0	8·4	
10·1	11	4·0	39·6	
9·6		20·5	29·1	
10·1		22·5	16·4	
9·4		31·0	9·1	
9·2		38·5	43·9	
8·8		38·5	12·3	
10·1		39·5	37·8	
9·0		51·0	42·4	
9·2		57·6	1·1	
9·2	12	5·0	19·5	
10·0		8·0	16·3	
7·0		13·5	58·5	6·8 GS=
10·1		18·5	39·5	
9·8		18·9	58·5	
9·4		36·5	39·4	
10·0		39·7	14·9	
9·4		44·0	15·4	
10·0		47·0	18·1	
10·1		51·5	52·5	
10·1		54·7	13·9	
9·8	13	1·0	23·6	
10·1		30·5	28·6	
9·4		32·5	24·0	
7·8		38·5	52·3	−
10·1		38·5	0·0	
9·6	14	3·0	9·7	
8·8		5·0	50·1	
10·0		33·5	27·1	
9·8		36·0	25·1	
9·2		57·5	37·5	−
9·4	15	1·0	43·6	
8·4		19·0	5·3	9·0
9·0		36·0	56·3	
9·0		37·0	40·1	
10·1		49·0	55·9	
8·8		58·0	33·1	9·0 G−
8·4	16	9·5	52·3	9·0 −
10·0		24·5	54·5	
10·0		25·0	3·1	
7·9		33·8	0·8	8·5 G
10·1		39·0	24·5	
9·6		47·5	24·9	
10·1		49·0	32·7	
10·0	17	3·5	20·3	
9·6		5·0	19·5	
10·1		13·5	58·5	
9·5		19·5	24·7	
10·0		27·0	48·9	
10·0		30·0	21·9	
8·6		31·0	42·6	
9·2		35·5	41·6	
9·4		37·0	35·2	
10·1		44·0	16·3	
10·0		47·5	42·1	
9·4		49·5	36·9	
7·3	18	0·8	2·4	7·5 GS=
10·0		10·5	23·4	
9·8		10·5	27·5	
	+1	35·9	+4·6	

8701—8760.

mag.	20h. m	s	−34° ′	
10·1	18	14·5	33·7	
10·0		17·5	43·1	
8·9		29·0	56·9	
9·5		30·5	21·9	
9·4		34·0	1·6	10·0
10·0		40·5	34·9	
10·1		45·5	43·1	
9·4		45·5	57·3	
10·0		49·0	40·5	
9·4		49·1	2·0	
10·1	19	40·4	33·9	
9·2		48·9	25·9	
9·0		59·4	48·7	
9·4	20	3·4	49·2	
8·8		3·9	47·1	
10·1		18·9	48·0	
7·7		34·4	49·2	7·0 GS
9·6		59·4	5·1	
9·8	21	2·9	20·5	
10·0		18·4	13·0	
8·4		25·9	31·3	
9·4		37·4	48·9	
10·0		42·4	19·7	
9·8		43·9	25·9	
10·0		48·9	27·0	
10·0		49·9	47·1	
9·8	22	9·9	12·5	
9·6		16·4	39·2	
10·1		28·4	25·3	
10·0		29·4	7·2	
10·1		29·9	44·1	
8·0		34·4	43·8	
9·2		38·9	9·2	
9·6		43·9	32·7	
10·0		44·4	18·2	
9·4		48·9	27·9	
10·0		49·9	24·1	
10·1		58·4	21·6	
10·1	23	16·2	16·7	
10·1		23·7	58·9	
10·1		31·2	22·6	
9·5		35·2	10·8	
8·8		38·2	10·9	
9·8		44·7	32·6	
10·1		57·2	52·6	
10·1		57·2	22·6	
8·0		58·7	54·9	8·2 −
10·0	24	6·7	22·0	
9·2		9·7	55·1	9·0
8·6		24·2	53·3	9·0
9·4		39·2	30·6	
9·4		50·2	51·7	
9·8	25	7·7	20·7	
9·2		9·2	1·5	
9·5		13·2	25·9	
10·0		18·2	3·5	
10·1		44·2	41·8	
9·2		46·0	41·9	
9·0	26	3·8	51·4	
8·8		30·8	11·3	8·5
	+1	35·5	+4·9	

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8761—8820.

mag.	20h. m	s	—34° ′	
8·4	26	44·3	34·0	8·5 G
8·8		47·8	43·1	8·0 –
9·2		49·3	20·1	
7·8		53·3	20·9	8·0 G–
9·2		56·8	33·1	
8·2	27	45·3	33·3	8·5 =
8·5	29	22·3	56·6	8·8 G
8·0		23·3	35·3	8·5 G=
7·8	30	54·3	6·9	8·0 G–
8·5	32	12·8	38·4	9·0 –
8·6		16·8	29·2	8·5 G
8·5	33	35·8	32·5	=
8·6		36·3	20·6	
9·2		43·8	55·9	
9·0		49·3	22·5	
8·1		58·8	44·4	9·0 –
8·8		59·3	19·8	–
9·2	34	2·3	10·0	
9·0		17·3	10·4	9·0
9·2		19·3	11·3	
9·2		44·3	50·8	
9·2		48·3	7·6	
8·8		55·8	53·3	
8·0	35	19·8	38·4	9·0 –
9·0	36	29·1	58·1	–
9·2		40·8	3·1	
10·8†	37	44·4	2·2	
9·2	38	6·3	22·4	
9·0		47·3	21·6	
8·4		50·3	3·5	8·0 G–
9·0	39	21·3	42·8	
9·2		44·8	11·3	
8·2	40	9·1	2·4	8·8 G
9·2		10·6	59·2	
9·2		51·8	27·0	
8·5	41	18·8	11·3	
8·8		59·3	23·0	–
9·2		59·3	5·3	
6·5	42	9·3	14·3	GSctπ
9·0		21·6	2·4	
9·0		49·8	12·0	
9·2	43	13·3	27·3	
8·3		53·8	48·3	
9·2	44	8·0	3·6	
8·4		17·3	20·8	8·0 –
8·6		18·8	55·7	
10·3†		38·9	2·5	
8·7		45·8	34·1	
10·3†	45	22·4	2·1	
9·0	46	5·8	12·0	
9·2		20·3	32·0	
9·2	47	5·8	54·4	
8·9		19·3	26·4	
8·9		19·8	36·4	
9·0		28·1	58·3	
8·9	48	4·3	5·2	
8·7		4·8	52·1	
8·5		11·3	28·0	–
8·7		48·3	8·2	
7·4	49	5·3	28·4	7·5 G–
25pr.	+1	34·5	+5·3	

8821—8880.

mag.	20h.–21h. m	s	—34° ′	
9·0	49	9·3	5·6	
8·7		15·8	34·8	
9·2		40·5	36·5	
10·0	50	6·1	34·3	
8·5		10·6	7·5	9·0
9·8		44·1	10·3	
10·0	51	1·1	21·3	
10·0		5·1	30·9	
8·6		40·1	47·9	
7·3		43·1	5·7	8·0 =
10·0		46·1	10·0	
9·6		46·1	54·5	
10·0	52	24·1	37·0	
9·6		25·6	18·9	
7·3		26·1	43·0	7·5 G–tπ
10·0		31·1	54·1	
9·7		42·6	31·2	
8·6	53	1·1	24·9	–
9·2		12·1	37·2	
9·2		36·1	1·9	9·5
9·4	54	3·6	28·1	
10·0		18·6	0·1	
8·4		22·6	32·1	= (1)
9·4		34·1	48·9	
9·6		34·9	3·8	
9·0		51·1	16·5	
9·2	55	1·1	37·7	
10·0		11·1	38·6	
10·0		12·6	47·9	
10·0		15·1	47·2	
9·4		20·1	11·7	
9·4		30·1	15·4	
10·0	56	0·1	9·0	
10·0		3·6	55·4	
9·6		52·1	51·2	
9·4	57	5·1	20·1	
10·0		15·1	44·2	
9·6		33·1	50·1	
10·0		41·1	54·1	
9·6	58	5·1	39·1	
9·2		18·1	17·9	
9·2		26·6	6·7	
10·0		35·1	1·7	
9·8		46·1	0·5	
10·0	59	9·9	57·3	
10·0		12·1	45·1	
9·4		14·1	41·3	
9·8		22·1	46·7	
9·7		55·1	27·2	
8·2	0	5·1	41·9	8·5 =
9·2		7·1	21·6	
9·7		43·1	5·5	
10·0		45·6	39·5	
8·4		50·8	2·1	8·8 G=
9·6	2	36·1	2·0	
10·0	3	10·1	28·6	
9·8		21·1	34·4	
10·0		35·1	4·0	
10·0	4	28·6	41·0	
9·8		42·5	0·7	
	+1	33·4	+5·8	

8881—8940.

mag.	21h. m	s	—34° ′	
10·0	4	51·1	4·0	
10·0	5	1·1	41·7	
9·2		11·6	30·1	
9·2		40·1	15·3	
9·4	6	47·6	7·5	
9·7		51·4	4·7	
10·0		54·4	6·0	
9·2	7	25·7	2·8	9·5
10·0	8	0·9	43·8	
9·2		2·9	44·7	
9·4		10·4	20·2	
9·4	9	8·4	23·1	
9·6		37·9	53·0	
9·6		55·9	7·2	
8·9		57·4	35·9	
8·2	10	1·4	31·1	=
9·6		14·4	26·4	
9·7		34·4	41·2	
8·1		37·9	31·1	=
10·0		45·9	4·8	
9·6	11	0·4	9·0	
9·8		13·3	52·0	
10·0		17·3	56·4	
9·6		19·1	58·6	
9·2		19·8	31·5	
8·4		26·8	26·4	9·5
8·3		39·8	24·5	8·5 –
9·8	12	3·8	41·6	
9·2		8·8	12·5	
9·2		17·8	10·7	
8·2		32·8	52·0	9·0
9·2		38·8	40·1	
10·0	13	1·3	51·0	
9·7		8·8	51·0	
10·0		18·8	13·8	
9·0		30·8	6·7	G
9·2	14	18·8	36·7	
9·6		28·3	46·0	
9·4		29·8	15·7	
9·7		40·8	37·5	
10·0		45·2	39·0	
9·6	15	7·9	0·3	
10·0		12·7	32·7	
8·4		13·7	12·0	8·2 G
9·8		32·4	16·0	
9·2		33·7	47·2	
10·0		38·7	39·4	
8·5		54·7	12·2	9·0
9·7	16	14·7	9·2	10·0
10·0		32·2	2·0	
9·5	17	32·1	39·4	
9·8		45·1	17·9	
9·5		50·1	31·5	9·0 G
9·8	18	2·1	39·4	
9·8	19	2·1	16·8	
9·0		18·6	26·9	8·5 G–
9·4	20	19·1	4·8	
9·8	21	38·6	11·7	
9·8	22	3·1	51·1	:
9·6		27·1	16·1	
	+1	32·2	+6·2	

8941—9000.

mag.	21h. m	s	—34° ′	
9·1	23	10·6	31·1	
9·6		45·6	41·3	
9·1		47·1	39·7	
9·1		48·6	26·2	9·0 –
5·9	24	40·6	29·6	6·0 GSπβ
9·3		43·1	7·3	
9·8		49·6	19·6	
7·8	25	1·6	53·6	8·5 G–
9·1	26	56·1	21·5	G–
6·9	27	39·6	52·9	6·5 GS–
9·8		58·1	31·4	
8·8	28	42·6	15·8	
9·8		55·6	38·3	
9·5	29	14·6	16·7	
8·8		24·1	3·9	G
9·8		53·6	49·1	
9·4	30	8·1	34·8	
9·1		11·6	45·7	
9·5		34·1	13·0	
9·2		47·1	5·5	
8·8	31	17·1	54·1	9·2
9·4		27·1	32·2	
7·0		34·6	14·3	6·5 GS–
9·5		35·6	47·7	
9·8		40·4	57·9	
8·8		42·1	17·9	8·5 –
9·0		49·6	17·7	9·0
8·6		56·6	12·1	9·0,
9·8	32	7·1	17·2	
9·8		19·1	4·2	
9·8		20·6	21·2	
8·2		21·6	40·4	
9·2		33·6	26·1	
9·1	33	19·6	52·1	
9·4		29·1	55·2	
9·6		33·6	40·3	
9·6		44·6	56·2	
9·8		47·6	30·5	
9·8		54·6	5·0	
9·0		57·6	47·2	
9·2	34	10·6	46·5	
9·8		20·1	38·9	
9·8		27·1	21·1	
9·2	35	8·5	24·2	
9·5		12·0	51·0	
9·8		13·5	35·4	
9·2		25·5	34·4	
9·6		34·0	2·3	
9·6		57·0	58·1	
9·8	36	0·6	17·3	
9·8		19·6	10·2	
9·2		41·8	1·6	9·5 G
8·6		45·1	1·4	9·0 G
9·4	37	12·5	7·6	
8·8		24·0	50·7	
9·3	38	2·5	5·6	
9·3		3·0	33·7	
9·1		50·3	34·9	
9·8		57·8	52·4	
9·1	39	48·5	14·4	
	+1	30·6	+6·7	

(1) The two Wash. obs. agree in giving δ Wash.—δ C.P.D. = + 0′·9. Declination of C.P.D. certainly correct.

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9001—9060.

mag.	21ʰ.–22ʰ. m s	—34° ′	
9.1	39 55.8	42.7	
8.6	40 17.8	15.4	9.5
9.9	21.4	59.9	
9.9	41 8.7	4.5	
9.8	15.8	26.1	
9.2	17.3	25.2	–
9.6	29.2	7.0	9.0 G
9.2	48.7	30.6	
9.2	42 6.7	13.2	9.0 G
9.0	16.7	7.2	8.0 G
9.9	21.7	12.8	
9.8	43 18.7	0.4	
9.4	44 4.7	32.5	
8.9	16.2	28.7	–
9.9	29.2	49.7	
9.9	45 4.2	42.2	
9.8	20.7	37.7	
9.4	39.2	21.5	
9.4	46 33.7	57.0	
9.9	38.4	58.0	
9.4	47 9.2	6.0	
8.0	17.7	43.5	8.0 G–
8.8	19.7	8.3	8.0 G
9.0	51.7	53.9	9.5
9.2	48 9.7	59.3	9.5
9.6	49 9.7	58.2	
9.4	31.2	16.2	
9.9	53.2	53.9	
9.9	51 41.7	34.3	
9.4	52 15.7	22.3	
9.4	50.7	46.6	
8.8	53 21.2	6.3	8.5 –
7.8	54 4.7	26.0	7.5 GS–
9.0	7.7	17.6	G
8.4	41.4	59.1	7.8 G–
9.9	45.2	24.0	
9.9	56 11.7	39.0	
8.4	57 9.7	21.7	8.5 G–
9.9	21.9	57.4	
9.9	38.7	28.2	
9.9	58 5.7	45.0	
8.6	28.7	14.5	9.0 G–
9.8	55.2	25.5	
9.9	59 1.2	28.7	
9.0	28.7	11.5	G
9.0	46.7	35.4	9.0 –
9.2	0 8.7	11.6	G
9.9	16.2	38.6	
9.8	22.2	1.8	
9.0	31.7	38.1	9.0 G
8.9	34.7	22.5	G
9.9	43.7	4.1	
9.4	43.7	50.1	
6.4	1 6.2	39.2	5.5 GSct
9.4	19.1	43.9	9.0
9.9	54.1	46.2	
9.8	2 1.6	44.5	
9.4	20.1	21.6	G
8.9	24.6	21.8	9.0 G
5.7	37.6	37.7	5.5 GS
25pr.	+1 29.0	+7.1	

9061—9120.

mag.	22ʰ. m s	—34° ′	
9.6	3 13.6	37.9	
7.4	14.6	26.3	8.0 G
9.6	30.5	5.8	
9.8	4 2.5	38.6	
9.9	25.0	58.0	
9.8	35.5	49.6	
9.9	5 4.5	24.2	
9.8	48.0	46.8	
10.2	6 12.4	5.3	
9.2	7 9.9	46.0	
9.9	29.9	30.6	
10.0	32.4	25.0	
9.6	8 19.9	14.5	
9.9	23.9	40.0	
9.8	30.4	8.0	
10.2	59.9	24.5	
10.0	9 26.9	31.2	
9.9	40.9	39.8	G
8.4	48.9	50.2	8.2 G–
9.0	10 0.4	24.9	8.5 –
9.9	5.4	59.7	
10.0	23.9	51.9	
9.6	49.9	15.9	G
9.0	11 29.9	16.4	9.0 –
9.4	12 29.9	22.5	9.5 G
9.0	32.9	11.0	8.5
7.8	50.4	18.9	8.0 G–
9.9	13 2.4	31.0	
10.2	31.4	11.6	
10.2	42.4	21.2	
10.0	14 21.4	53.2	
10.2	42.4	46.4	
9.6	58.4	55.7	
9.9	15 1.4	43.9	
9.6	27.9	11.2	9.0
8.8	33.9	33.9	
9.4	49.9	56.9	
9.2	16 23.9	46.8	
9.2	32.1	58.8	G
8.4	55.4	21.2	8.5 G–
9.6	17 1.9	11.6	
8.6	19.9	59.4	9.0
9.4	27.4	49.2	
9.8	30.4	1.5	
9.1	45.9	57.2	9.2
9.9	53.4	50.4	
9.9	57.9	57.5	
10.2	18 5.4	3.8	
8.8	10.9	15.5	9.0
10.2	16.4	25.5	
8.4	38.5	0.4	8.2 G–
9.2	41.4	49.9	
10.2	59.9	26.9	
9.1	20 7.4	56.4	9.0 G
10.2	7.4	38.1	
8.6	28.9	7.9	9.0 –
10.2	29.9	47.3	
9.1	29.9	7.1	
10.2	37.9	20.7	
10.2	47.4	39.8	
	+1 27.0	+7.5	

9121—9180.

mag.	22ʰ. m s	—34° ′	
9.7	20 49.9	24.4	
9.9	59.9	58.4	
10.2	21 0.9	26.7	
7.3	31.9	24.5	8.0 GW–
10.0	44.4	28.6	
9.2	44.4	32.3	9.5
8.2	22 22.9	29.3	8.0 GW=
10.2	24.9	32.2	
10.2	28.4	20.2	
10.0	52.4	41.8	
10.0	23 51.9	45.4	
10.2	59.9	53.8	
8.8	24 26.9	29.3	9.0 W–
10.2	25 10.9	50.8	
10.2	47.9	0.0	
9.7	48.9	2.3	
10.2	26 31.4	29.1	
8.2	38.9	31.1	8.0 GW–
9.1	44.4	5.7	
9.2	44.9	24.0	9.0 –
9.4	27 5.4	19.4	
9.0	7.4	20.0	9.0
10.0	35.4	28.2	
9.1	28 59.4	11.8	
9.9	29 11.9	53.4	
10.0	30 7.9	11.0	
7.6	56.9	7.0	7.2 GS–
9.1	31 3.4	56.0	9.5
10.2	7.9	25.6	
10.4	32 38.0	52.0	
10.6	34 27.5	27.6	
9.8	36.0	45.1	
9.6	35 1.5	13.6	9.5
10.6	8.5	3.1	
7.8	10.5	55.9	8.2 G–
10.6	23.5	43.6	
10.2	24.5	2.8	
10.4	36 0.0	8.6	
9.8	20.5	48.1	
10.6	32.0	36.5	
9.0	59.5	7.0	8.0 G
8.4	38 16.0	0.9	8.5 G
9.2	55.0	28.0	9.0
7.0	40 18.5	49.2	6.5 GS–
10.6	25.5	40.5	
10.0	41 31.0	49.7	9.5 G
10.0	39.5	53.3	
10.6	46.3	23.2	
9.8	51.5	17.7	
9.8	53.1	59.4	10.0
10.0	42 0.0	37.3	
9.8	4.5	42.1	
10.2	10.0	32.6	
10.6	11.5	36.2	
10.6	21.0	44.6	
10.6	48.0	20.5	
10.6	56.5	4.0	
9.8	43 26.0	18.6	
10.2	50.0	0.5	
10.2	53.5	31.5	
	+1 25.3	+7.8	

9181—9240.

mag.	22ʰ.–23ʰ. m s	—34° ′	
10.6	44 17.0	50.1	
9.8	45 22.0	42.5	
9.0	23.0	50.9	
10.0	36.0	25.8	
10.6	36.3	47.1	
9.6	41.5	52.0	
10.0	58.0	9.9	
10.4	46 14.0	15.2	
10.6	15.5	9.9	
10.6	23.5	2.7	
10.4	47.5	24.2	
10.4	57.5	7.5	
10.0	47 53.5	7.1	
10.0	56.0	44.7	
10.2	48 8.0	56.0	
10.4	13.0	5.1	
10.2	24.5	38.2	
8.8	49 16.0	32.7	9.5 G–
10.0	59.5	6.4	
8.6	50 37.0	34.9	9.0
10.0	49.0	0.2	
9.0	51 21.5	15.9	–
8.8	42.0	6.7	9.0
9.8	44.0	45.3	
10.6	53 10.5	43.5	
10.6	30.0	42.5	
8.4	32.5	24.5	9.0 G–
9.2	39.0	30.0	10.0
10.0	54.0	8.8	
10.0	54 18.0	30.6	
10.6	55 10.0	57.4	
9.0	56 13.7	10.4	9.0
9.8	57 12.4	46.1	
9.6	19.9	28.4	
10.2	36.4	51.8	
7.6	0 33.9	53.0	8.0 G–
10.2	3 14.4	9.0	
9.2	16.4	35.0	
8.2	4 5.4	18.0	8.0 G
10.2	16.4	50.4	
10.2	5 13.4	4.0	
9.5	6 30.9	48.6	
10.0	41.9	10.1	
10.2	7 48.9	12.5	
9.0	8 2.4	42.9	9.0
10.2	12.4	26.8	
10.2	26.9	46.9	
10.2	49.4	10.0	
9.5	9 6.9	34.3	
9.6	35.4	21.1	
10.2	40.4	48.8	
9.8	10 15.9	6.2	
9.4	11 2.4	7.1	9.0
10.2	12.9	42.7	
10.2	36.9	39.6	
9.8	50.4	22.6	
10.2	12 10.4	30.3	
7.2	56.9	23.4	7.0 GS
10.2	13 5.9	37.7	
9.0	14 1.4	35.0	8.5 GW
	+1 23.2	+8.0	

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9241—9265.

mag.	23h. m s	−34° ′	
9·8	14 14·4	34·0	
9·2	52·4	20·5	9·0
9·8	15 5·8	57·2	
9·2	16 22·9	9·0	9·0
9·2	33·4	14·8	
9·2	50·4	59·4	
9·8	51·2	8·2	
8·2	17 4·7	3·7	8·2 GW
8·4	17·7	59·1	8·5 –
9·8	21·7	10·0	
9·8	29·7	8·1	
10·2	50·2	21·6	
9·2	54·7	7·6	8·5 G
10·2	18 2·2	37·8	
10·2	27·7	53·1	
10·0	32·7	45·0	
10·2	55·2	45·0	
10·2	58·2	11·0	
8·8	19 48·2	58·7	9·0
9·8	20 34·7	23·2	
7·5	58·7	18·7	GW–
10·2	21 45·2	7·5	
10·0	22 35·3	53·0	
9·6	23 2·2	27·2	
10·0	30·7	19·3	
25pr.	+1 21·0	+8·2	

9266—9290.

mag.	23h. m s	−34° ′	
10·0	23 48·7	10·6	
10·0	24 59·3	57·9	
8·2	25 39·2	21·9	–
10·0	56·7	9·7	
10·0	26 14·7	22·9	
8·2	27 15·2	21·0	7·5 G–
9·8	30·7	59·1	
10·0	44·6	42·9	
9·1	29 53·7	4·5	
9·4	30 17·5	0·3	
10·0	24·7	53·1	
9·6	43·5	40·5	
9·8	44·2	17·8	
9·6	45·7	21·5	–
9·1	31 14·7	30·3	
10·0	23·7	5·1	
9·6	30·5	4·9	
9·6	31·7	54·5	
10·0	59·7	49·9	
9·1	32 20·7	38·6	
9·2	30·7	24·0	
8·1	47·7	11·0	8·5 –
9·2	33 3·7	19·6	
10·0	17·7	48·6	
9·8	21·5	13·4	
	+1 19·7	+8·3	

9291—9315.

mag.	23h. m s	−34° ′	
8·8	34 44·7	15·8	–
10·0	52·2	56·3	
8·2	54·7	53·1	9·0
10·0	35 2·1	3·0	
6·9	37 18·7	7·2	7·0 GS–
10·0	39·7	31·4	
10·0	38 8·7	50·0	
10·0	21·7	27·9	
9·6	39 17·2	30·3	
10·0	43·5	19·0	
10·0	40 13·7	56·8	
10·0	41 16·5	24·2	
10·0	57·2	29·8	
9·6	42 26·2	45·9	
10·0	43 40·7	25·1	
8·2	44 26·7	15·4	9·0 –
10·0	45 10·2	4·9	
7·8	19·7	9·0	8·2 GS–
10·0	54·7	7·9	
10·0	55·5	48·0	
10·0	58·2	9·9	
8·6	46 2·7	47·8	
10·0	16·2	5·9	
10·0	47 4·9	1·8	
8·4	48 16·2	20·1	9·0 –
	+1 18·6	+8·3	

9316—9339.

mag.	23h. m s	−34° ′	
10·0	48 24·2	17·8	
10·4	30·2	29·2	
10·4	46·2	18·8	
10·4	49 9·2	55·8	
10·4	19·7	54·9	
10·0	55·2	46·2	
10·4	51 25·2	7·0	
9·4	53·2	37·4	
8·6	52 2·3	58·9	8·2
9·9	10·0	59·8	9·5
10·4	22·2	15·0	
10·4	23·7	10·1	
10·4	53 25·2	25·1	
10·4	54 7·2	34·8	
8·2	55 5·2	29·3	8·5 –
9·4	50·2	25·5	
10·2	56 0·7	5·1	
9·4	8·7	41·3	
9·2	41·2	4·1	9·0
10·0	57 46·7	30·7	
9·0	59 0·2	11·8	–
10·4	3·2	2·8	
9·8	5·2	4·3	
10·4	31·7	11·3	
	+1 17·5	+8·4	

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ZONE — 35°.

1—30.

mag.	0h. m	s	—35° ′	
10·4	0	0·8	32·2	
9·8		21·3	13·0	
9·6		32·8	56·4	
10·4		36·5	2·4	
9·4		51·8	55·1	
10·4	1	34·6	59·0	
10·4	2	5·3	14·8	
7·6		24·8	29·4	7·5 GS–
7·6		40·8	47·2	8·0 G=
9·4		45·3	26·4	9·5 G
10·2	3	2·3	55·3	
7·1	4	25·8	33·3	7·0 GS–
9·0		29·3	58·5	
10·4		59·8	58·2	
8·0	5	11·3	9·4	
6·0		22·3	49·9	6·0 GStπ
9·8	7	0·8	33·0	
9·4		51·8	16·4	
7·1	8	39·8	35·9	6·5 GStπ
8·2		54·8	11·6	–
8·6	9	25·8	50·8	8·0 GS–
8·4	10	6·3	31·4	9·5
9·2		19·8	32·8	9·0
10·4		37·8	27·0	
10·4	11	3·3	32·2	
9·9		29·8	7·7	
10·4		55·8	24·0	
10·2	12	1·5	48·6	
9·2		33·8	40·2	
10·4		51·3	28·2	
25pr.	+1	16·2	+8·4	

31—60.

mag.	0h. m	s	—35° ′	
10·0	12	59·2	21·3	
10·4	13	2·3	8·8	
8·9		49·1	49·1	
9·6	14	34·0	59·2	
9·3		39·2	0·2	
8·2		42·6	37·8	8·0 GS
9·8		53·1	7·3	
9·8	15	44·0	0·2	
9·8	16	1·1	45·2	
8·8		20·6	27·3	
9·8		40·6	30·1	
8·7		54·1	15·5	G
9·6	17	13·1	36·9	
8·9	19	4·1	22·3	9·0 G
8·4		11·1	31·5	9·0
9·8		26·7	6·5	
8·6		28·1	31·2	9·5
9·8		50·1	33·4	9·5
9·6	20	35·1	55·9	
9·5	21	5·1	22·8	
9·8		28·6	56·2	
9·8		53·1	28·8	
9·8	22	6·1	57·4	
9·5		42·6	0·3	
8·4		45·6	34·7	8·5
9·6	24	10·1	8·4	
9·2		50·1	34·8	
9·8	25	46·1	34·2	
8·4	27	29·6	51·4	9·0 –
7·0		35·6	40·5	8·0 GStπ
	+1	14·8	+8·3	

61—90.

mag.	0h. m	s	—35° ′	
9·3	27	59·6	27·0	
9·5	28	8·1	17·8	
9·8	30	40·1	37·1	
9·6	33	0·6	31·8	
9·8		3·5	20·2	
9·3	35	8·1	13·1	
9·5	37	13·9	33·1	
10·0		51·7	4·6	
10·0	38	12·2	47·8	
9·6		28·4	46·1	
10·0		46·7	30·6	
10·0	39	20·2	49·6	
8·8	40	49·7	0·9	9·5
9·2		59·7	15·1	
9·2	41	6·7	45·6	10·0
9·2	42	19·2	57·7	
10·0		27·7	25·4	
9·2		49·7	35·8	
9·4	43	4·7	7·2	9·5
9·6		14·2	50·7	
9·2	44	19·7	10·1	
10·0		59·7	43·2	
8·8	45	26·7	27·7	
10·0		39·7	33·8	
10·0	46	14·8	18·0	
8·6		19·6	16·7	9·0
10·0		38·4	1·3	
9·5		38·6	28·6	
9·1	47	28·1	31·9	
9·4	48	20·6	50·2	
	+1	12·5	+8·2	

91—120.

mag.	0h.–1h. m	s	—35° ′	
10·0	49	23·1	8·0	
10·0		30·6	5·2	
9·5	50	13·1	44·3	
9·5		24·7	49·5	
8·3		48·6	20·4	
9·4	51	55·6	7·1	
10·0	52	7·6	28·6	
9·6		40·4	6·0	8·5
8·2	53	29·4	18·7	7·0 GS–r
10·0	54	36·9	40·6	
10·0	55	54·4	24·9	
9·4	56	5·9	24·1	
10·0		12·4	24·3	
9·0		39·4	2·7	8·5 G
9·6		56·4	44·6	
9·6	57	13·4	17·4	
9·8	58	2·9	37·3	
8·4		6·4	20·9	8·0 G
10·0		6·9	50·1	
9·6		7·4	20·2	G
8·8		14·9	7·3	9·2
8·2	0	25·4	28·0	8·0 GS
9·4	1	29·4	31·6	9·0
10·0	2	26·9	46·9	
9·8	3	30·0	2·7	
10·0		53·4	46·0	
9·4	4	14·8	55·1	
9·8		21·6	55·7	
8·6		24·6	10·2	
8·6		28·6	42·8	
	+1	10·9	+8·1	

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121—180.

mag.	1h. m	s	−35° ′	
9.8	5	5.6	52.3	
8.0	6	0.1	27.6	8.0 G
7.0		59.1	52.2	7.0 GStπ
9.6		59.6	6.0	
9.6	8	51.1	39.9	
9.8	9	24.6	33.6	
9.8	10	28.6	46.0	
7.8	11	30.6	19.3	7.5 G–
9.2	12	20.6	51.0	9.0
9.6		49.6	27.3	9.0
8.4		49.6	28.7	8.0 G
7.6	13	31.6	9.0	7.5 G–
7.8	16	43.6	19.1	GS–
8.2		54.6	38.7	GS
8.9	17	44.6	18.0	
8.8		49.6	58.6	
9.6	18	12.6	53.1	
9.8	20	19.1	22.8	
9.8	21	31.6	20.5	
9.2		49.6	7.1	
9.6	24	3.6	4.6	9.5
9.4		30.6	21.6	
9.2	25	29.6	55.0	
9.8		30.6	45.0	
9.4		30.6	25.5	
8.3	26	18.6	8.6	8.5 G
9.1		23.6	7.8	9.5 G
9.2		51.6	39.6	9.5
9.2	27	0.6	36.8	
9.1		32.9	32.0	
7.8	29	6.6	59.2	8.0 GS
9.9		38.3	45.6	
9.0	32	42.8	50.9	8.0 G
9.9	33	49.3	31.1	
9.9	34	30.3	2.5	
9.9		32.3	49.9	
8.1		40.3	6.6	7.5 GS–
9.9	35	0.8	16.0	
9.9		8.8	18.0	
9.7		10.4	58.8	
9.9		26.8	47.9	
8.4		27.8	13.3	8.0
9.7		27.8	20.7	
8.4	36	23.8	28.0	8.0 GS
7.7	39	2.4	2.1	6.8 GS–
9.9		12.8	5.5	
9.9	40	9.8	55.3	
9.9	42	9.8	2.2	
9.9		30.3	3.0	
9.7	43	39.3	20.8	
9.5		49.3	55.4	
8.2	44	5.8	4.9	8.2 G–
8.0	47	5.3	41.2	
8.2		18.8	28.1	8.0 G
9.0		28.8	16.0	
9.7		57.3	28.0	
9.4	50	54.3	26.6	
8.5	52	29.0	43.1	8.5 G
9.7		33.5	1.8	
9.0		48.0	42.9	9.0 G
25pr.	+1	7.9	+7.7	

181—240.

mag.	1h.–2h. m	s	−35° ′	
9.2	52	48.0	7.7	
9.7–	53	9.0	55.2	9.0
8.0	54	11.5	2.9	9.0
9.6		13.8	21.9	8.0
9.0	55	19.8	1.8	9.0
9.9		51.3	15.0	
9.2	56	18.8	48.9	9.0
9.9		30.8	43.6	
9.9		37.8	14.4	
9.0		50.8	36.8	9.5
9.2	57	48.8	52.9	
9.9	58	14.8	47.6	
8.2	59	17.8	52.5	7.5 G
9.9	0	59.3	37.1	
9.0	1	9.3	25.4	
9.4		23.8	51.0	
9.6		31.8	44.3	
8.3		36.3	20.9	8.0 G
9.0	2	5.3	52.0	8.0
9.9	5	49.3	49.7	
7.8	7	29.8	7.6	7.2 GS
9.6	8	5.3	5.2	
8.5	9	12.8	45.6	
8.0		50.3	42.1	8.0 G
9.6	10	28.3	31.6	
8.6	11	22.5	33.7	8.5
8.8	13	1.0	2.6	10.0
9.9		8.5	20.8	
9.4	14	49.5	6.2	
8.6	15	13.0	41.1	8.5 G
9.8		54.5	40.8	
8.8	16	21.0	24.4	9.5 G
9.4		22.5	49.9	
9.6		51.0	5.0	
9.9		59.5	35.3	
9.8–	18	30.5	49.8	
10.2–		38.5	50.1	
10.0	19	10.0	49.1	
8.0		23.3	20.7	8.5 G
8.5		48.5	8.2	8.8
9.4	21	0.5	15.9	G
10.2		18.5	8.4	
9.2	23	10.0	20.4	
10.2	24	52.0	16.6	
10.0	25	44.5	40.9	
10.2	26	55.5	36.5	
6.7	27	54.5	12.0	6.0 GStπ
9.6	28	41.5	10.8	
9.8	30	1.5	31.6	9.5 G
10.0		18.5	31.0	9.5 G
9.2		55.0	46.2	9.0 G
10.2	31	26.0	48.0	
9.8		32.8	37.5	
9.2		39.3	54.5	
7.9		43.8	51.9	7.0 GS
6.8		47.3	6.8	6.0 GStπ
9.4	32	0.3	32.0	
10.0		7.3	7.7	
10.2		10.3	10.5	
8.8		32.8	4.9	8.5 G
	+1	3.5	+6.9	

241—300.

mag.	2h.–3h. m	s	−35° ′	
10.0	33	16.8	14.0	
8.8		24.8	28.2	
10.2	34	10.3	11.8	
9.8		21.3	29.0	
8.5		24.3	3.0	8.0 G
8.0		38.3	33.8	7.0 GS
10.0	35	54.8	50.1	
9.4	36	6.3	57.4	
9.4		10.3	48.8	
8.0		52.7	22.0	8.5
9.4	37	48.3	49.7	
9.6	38	14.3	24.8	
10.2		49.3	43.6	
10.2	39	3.8	17.1	
9.4		41.8	54.3	
10.0		54.3	50.5	
9.8	40	8.8	19.3	
9.8		32.3	42.9	
10.2	41	10.3	53.5	
7.7		13.3	26.1	8.0 G
10.0		20.3	34.9	
8.3		25.3	19.0	8.5 G
10.2		33.3	3.1	
9.6	42	7.3	38.3	
8.8		9.3	18.7	8.5 G
10.2		10.3	40.7	
10.2		32.8	3.9	
9.4	43	0.5	20.3	
9.1		30.8	35.3	
10.2		59.3	16.2	
10.2	44	11.3	37.9	
9.4		14.5	40.7	
10.2	45	0.3	18.1	
10.2–		7.8	11.3	
10.4		20.2	24.9	
9.5		50.2	20.4	
8.1	48	4.7	33.1	8.0 G
7.8		9.9	0.2	8.3 G
10.4	49	12.2	4.1	
9.0		48.9	3.1	9.0 G
10.4	50	19.9	59.5	
9.2		46.9	51.2	9.5
9.6		59.4	55.0	
10.0	51	0.4	6.0	
9.6		9.9	40.1	9.0 G
9.8		12.4	59.8	
10.0		20.4	27.0	
7.4		46.9	53.0	7.0 GSct
9.7	52	48.7	54.4	
10.4	53	42.7	10.5	
10.4	54	34.2	11.1	
8.8	55	20.7	35.5	8.8
8.8		32.2	17.1	8.2 G
9.4		34.0	19.4	G
10.0		34.2	51.4	
10.2		44.0	7.5	
9.0	57	5.5	37.9	9.0 G
10.4	0	44.0	2.8	
9.0	2	32.5	8.1	8.7 G
10.4		53.5	29.3	
	+1	1.2	+6.3	

301—360.

mag.	3h. m	s	−35° ′	
9.9	3	27.1	27.6	
7.3		45.6	54.6	7.0 GSct
10.4		58.1	56.0	
10.2	5	8.6	56.7	
8.3		12.6	24.4	8.2 G
9.9		19.6	8.6	
7.6		37.6	2.5	8.3 G
9.4	6	3.6	6.4	9.0 G
8.6	7	13.6	21.2	8.0 G
10.2		34.3	16.4	
9.5		54.8	47.5	
9.8	8	48.6	6.9	
10.4	9	0.1	18.0	
9.6		11.3	35.3	
9.2		11.9	56.5	
10.4		54.8	49.0	
8.2–	10	31.3	18.5	7.8 G
9.4	11	40.5	31.3	
9.6		57.8	15.8	
9.5	12	24.3	0.3	
10.0		32.3	57.4	
9.0	13	29.3	36.0	
8.4		46.3	37.4	8.0 Gt
9.4	14	9.3	22.0	
8.3		19.3	57.1	8.5
6.9		23.3	27.4	7.0 GSct
10.0		25.3	5.4	
10.0	15	6.8	2.3	
10.0		49.1	39.0	9.5
9.0	17	4.1	51.8	
9.4		31.1	5.2	8.8
10.0	18	33.6	57.0	
10.0	19	15.1	12.1	
9.8		15.1	42.4	
9.6		35.6	3.3	
9.5		54.1	45.0	
10.0	20	10.1	16.1	
10.0		29.6	49.4	
9.2	21	10.1	47.5	
8.8		38.5	57.3	
9.6		48.9	43.1	
10.0	22	10.4	38.9	
10.0		18.4	31.0	
9.6	23	44.3	0.8	
9.8	24	0.7	0.1	
9.6		14.7	2.6	
10.0		14.9	17.6	
10.0	25	5.6	45.1	
8.8		11.1	10.3	9.4 G
9.1	27	31.6	23.4	9.0 G
8.8	29	8.6	13.0	9.0 GS
7.2		39.6	15.0	7.0 GS
8.8	31	40.6	12.3	
7.9	32	30.6	3.8	8.0 G
9.0	33	17.1	23.2	
9.2		30.8	14.2	8.5
7.5		54.5	36.8	7.5 GS
10.0	34	10.5	44.0	
10.0		18.0	49.9	
10.8–		21.2	48.1	
	+0	58.8	+5.5	

361—420.

mag.	3h. m	s	−35° ′	
10·8	34	23·7	38·3	
10·8		50·7	12·9	
10·0	35	36·7	45·8	
9·4		49·2	29·7	9·0 G
9·8	36	10·2	25·0	9·5
8·6		23·2	18·5	8·5
8·4		31·0	50·6	
10·3		34·0	51·4	
10·0	37	4·0	44·1	
10·8		10·0	3·8	
9·2		30·0	7·4	9·5
10·8		30·0	21·1	
10·8		30·5	58·4	
9·6		50·0	6·8	
10·6		59·0	36·9	
9·6	38	17·0	20·7	
10·6		33·0	52·6	
10·8		56·5	39·0	
10·6	39	0·0	20·4	
9·5		0·5	6·8	
10·8	40	6·0	45·0	
9·5		59·0	32·7	
10·6	41	22·5	33·5	
10·3		23·0	57·6	
10·2	42	9·0	11·7	
10·8		17·5	8·9	
10·8		55·5	34·8	
10·8	43	28·0	35·6	
10·3	44	5·5	35·0	
8·8	45	11·0	47·7	9·0
9·2	46	5·0	10·2	9·5
10·4		55·0	11·6	
10·8		57·5	57·6	
10·0	48	0·5	9·3	
4·5		53·0	6·1	5·2 GStπ
10·0	49	1·5	30·1	
10·0		49·0	4·0	
9·8		53·0	50·8	
8·4	50	25·5	56·0	8·0
10·8		51·5	16·1	
9·0		59·0	36·9	
10·6	51	0·7	56·9	
10·0		7·5	15·5	
9·5	52	9·0	53·7	
9·6		21·5	53·3	
10·0		29·5	19·8	
10·8	53	5·0	45·8	
10·6		10·6	57·2	
10·8		11·1	15·0	
9·0		25·6	3·6	9·5
8·4		53·1	33·8	8·5
10·8		57·1	22·7	
10·4	54	24·6	48·9	
10·8		32·6	32·3	
10·8		57·1	17·6	
10·8	55	7·6	19·6	
9·2		21·8	59·7	
10·8		30·6	55·9	
9·2		42·6	12·2	9·5
10·2		42·6	13·0	
25pr.	+0	56·9	+4·6	

421—480.

mag.	3h.–4h. m	s	−35° ′	
9·2	56	21·6	4·3	
10·0	57	10·1	53·8	
9·2	59	45·1	4·7	8·2
10·8	0	1·6	18·8	
10·8		10·1	11·9	
7·5		16·3	47·1	8·0 G
10·2		29·9	2·3	
8·4		59·8	48·3	8·0 G
8·4	1	13·4	24·4	
10·3		59·1	18·0	
9·2	2	15·1	51·9	8·5
9·6		26·1	38·8	
8·5		30·1	52·9	8·0 G
9·4		49·1	20·0	
10·8		50·7	1·8	
7·6		52·5	43·7	7·5 G
10·2	3	35·5	28·3	
9·0		40·0	44·6	8·5
10·3		50·0	56·5	
9·8	4	49·5	13·7	
10·4	5	2·0	41·8	
9·6		8·4	0·1	
7·0	6	7·5	35·9	6·5 GSct
10·4		54·5	36·5	
9·0	7	29·5	16·7	
10·8		42·3	2·0	
10·8		44·0	36·3	
10·8		56·5	56·1	
10·8	8	1·0	23·2	
10·6	9	15·5	57·0	
9·0		58·0	29·1	9·0
10·8	10	30·5	2·6	
7·6	11	24·0	34·4	8·0 GS
10·8	12	34·0	55·2	
9·6		40·0	12·0	
10·2		41·5	24·0	
9·4		54·0	34·5	
10·4	13	14·5	24·2	
10·0		24·0	30·3	
10·8		32·0	20·1	
9·4		33·5	48·0	
10·8		33·5	7·5	
9·6	15	11·5	19·3	
9·8		32·0	32·0	9·5
9·0		57·5	23·0	9·5
8·0	16	15·5	1·8	8·5 GS
10·6		49·0	19·9	
8·2	17	24·0	11·6	8·5 GS
8·5	18	16·5	7·2	9·0
9·0		28·5	45·1	9·0
7·3		32·5	50·2	7·0 GStπ
9·6	19	6·0	14·4	
10·4		10·0	56·0	
10·8		10·5	37·9	
8·2		15·9	2·2	8·8 GS
10·6		20·0	0·2	
10·4		27·5	34·2	
10·8		47·0	20·7	
9·4		47·5	53·1	
9·0		48·5	34·1	8·5 G
	+0	55·7	+3·9	

481—540.

mag.	4h. m	s	−35° ′	
9·8	20	13·0	34·7	9·5
10·4		17·5	3·1	
9·2		18·5	25·0	
6·5		19·0	2·6	6·5 GStπ
10·8		34·0	20·9	
10·4		37·5	41·1	
10·8		45·5	0·0	
8·0		49·0	57·6	8·0 GSt
9·0		52·0	8·9	9·5 G
9·0		54·0	7·9	8·5 G
9·4	21	30·5	19·3	9·0
10·4	22	3·2	15·3	
9·8		29·0	40·7	
10·3	24	2·5	41·7	
9·0		53·0	33·7	9·5
10·6	25	13·5	18·0	
10·8		34·0	35·1	
10·8		57·2	49·1	
6·4	26	7·8	55·6	6·5 GStπ
9·7		10·8	13·5	
10·2		21·3	51·9	
10·2		44·7	22·6	
10·2	27	7·7	32·2	
10·8		12·3	51·8	
10·6		52·7	16·3	
8·2	28	24·7	57·9	8·0 GSt
8·9	29	29·7	6·2	9·5
7·7	30	7·2	54·7	7·5 GS
8·0		8·2	4·7	7·2 GS
7·4		22·2	50·1	7·0 GS
10·8		50·2	48·8	
8·4	32	28·7	52·4	8·5 GSt
9·2	33	21·2	46·6	
9·8		51·7	26·1	
9·3		57·7	45·4	9·0
10·8		59·2	12·8	
8·3	34	4·7	32·9	9·0 G
10·8		11·2	3·1	
10·8	35	12·2	21·8	
8·3		13·7	24·6	9·0
8·1		20·2	53·4	8·5
8·4		34·2	15·6	8·5
9·7		57·7	50·2	
10·8	36	29·2	49·2	
10·2		42·2	28·3	
10·6		44·2	3·0	
9·0	37	15·7	21·0	9·5
9·8		25·7	34·0	
8·3		37·7	42·8	9·0
8·9	38	14·7	49·8	8·5
8·6		33·2	5·0	8·5
10·8	39	9·7	42·4	
10·0	40	7·7	40·1	
10·0		8·7	15·8	9·5
10·2	41	1·6	34·5	10·0
10·8		39·6	6·3	
10·8	42	0·6	13·4	
10·8		17·1	36·0	
8·8		45·1	55·4	
10·8	43	30·7	0·8	
	+0	54·8	+3·2	

541—600.

mag.	4h.–5h. m	s	−35° ′	
9·4	43	32·1	15·6	10·0
9·4		45·1	53·6	
10·8	44	35·1	32·1	
7·6		36·1	18·3	GStπ
9·7		37·6	44·6	
9·4		39·6	46·4	
10·6		44·2	11·3	
9·7		51·6	21·2	
7·8	45	20·1	19·2	8·0 GStπ
10·6	46	7·6	25·2	
6·1		55·6	7·2	6·2 GStπ
8·9	47	21·1	19·1	
10·6	48	16·1	31·1	
10·8		19·6	47·3	
10·4	49	1·1	32·6	
8·8		5·1	56·0	9·0
10·6		15·1	49·1	
8·0		32·7	36·7	7·5 GSt
10·6		46·3	27·5	
8·4	50	49·3	2·8	8·8 G
10·6		53·7	47·2	
7·8		59·8	49·5	9·0
10·2		59·8	53·4	
10·6	51	5·3	5·3	
9·6		10·7	4·5	
10·6		31·6	40·7	
10·4	53	2·8	34·1	
7·8		13·8	5·2	8·0 GS
9·0		15·8	22·9	9·0
10·6		18·8	20·5	
10·4		18·8	11·5	
10·0		28·3	40·6	
10·6		29·8	47·8	
10·6	54	19·3	54·3	
9·2		28·3	42·0	
9·4		38·8	15·5	
9·0		49·8	51·7	9·0 G
10·6	55	27·8	10·8	
9·1		53·3	56·5	9·0
10·6	56	2·3	47·6	
10·6		9·8	0·0	
7·8		18·8	11·1	8·5 GS
9·1	57	3·3	33·7	
10·4	58	12·8	17·6	
10·4		20·3	29·6	
6·0	59	54·8	39·3	4·7 GStπ
6·7		59·3	52·7	7·0 GStπ
10·4		59·8	48·4	
10·0	0	4·8	21·6	
10·6		19·8	33·6	
10·2		53·3	50·8	
10·6	1	2·8	46·5	
7·8		52·3	11·6	8·1 GS
9·8	2	9·9	26·9	
10·2		17·4	50·7	
9·8		39·9	35·7	9·5
9·1	3	30·9	23·0	
10·0		35·4	5·4	
6·7		48·4	52·9	7·0 GSct
10·6		54·9	4·2	
	+0	54·0	+2·4	

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601—660.

mag.	5h. m	s	—35° '	
9.4	3	59.4	46.5	
9.0	4	15.9	33.9	
10.0		26.9	35.7	
10.6		36.4	19.5	
9.0		44.4	47.9	8.8 G
9.0	5	32.9	27.4	
9.8		33.9	12.5	
7.6	6	28.9	3.5	7.3 GS
10.4		29.9	24.2	
9.4		34.9	26.4	
9.6	7	33.4	25.4	
9.0		44.4	47.3	
10.6		59.9	35.2	
10.0	8	9.9	4.2	
9.8		36.4	5.2	G
10.6		54.9	26.1	
10.6	9	6.9	43.8	
7.8		19.9	58.3	7.2 GStπ
9.8		19.9	26.8	
9.0		41.2	58.0	9.0
10.6	10	1.4	12.3	
10.6		9.4	57.6	
9.8		43.4	14.8	
9.8		54.9	7.6	
6.8	11	17.9	4.1	7.0 GStπ
9.0		44.9	57.2	8.8 G
10.6	12	33.9	44.2	
5.9		58.9	1.2	5.2 GStπ
10.6		59.9	37.3	
9.1	13	0.9	44.0	
8.4		29.9	29.8	9.0
10.2	14	34.4	54.0	
9.8		49.9	43.0	
10.0	15	35.1	47.2	
10.6	16	36.2	32.6	
9.4		47.2	7.8	
9.4		50.4	50.3	8.5
8.6		51.2	19.3	9.0
9.8		54.9	37.7	
9.6	17	1.4	12.9	
10.0		13.2	48.7	
9.8		30.4	49.9	
8.0		50.9	25.0	8.5 G
9.3		59.4	22.7	
9.9	18	17.4	44.9	
8.4	19	43.4	54.0	8.5 G
8.2		45.4	15.9	8.0 G
9.2	20	44.4	5.7	
8.2	21	20.4	41.5	
7.6		25.9	27.8	7.5 G
10.0		31.4	25.0	
9.9		40.4	36.6	
9.4		51.4	55.2	
9.9	22	32.9	20.7	
8.7	23	5.9	6.3	9.0 G
9.9		30.4	26.1	
9.1		41.9	34.0	
9.4	24	5.4	42.6	
9.2		8.9	3.1	
9.2		9.4	50.3	
25pr.	+0	53.4	+1.7	

661—720.

mag.	5h. m	s	—35° '	
10.0	24	12.4	16.1	
10.0		14.4	59.7	
9.3		19.4	53.8	
9.9		20.4	54.6	
9.3	25	8.4	30.0	
9.0		20.4	38.2	
9.9		51.4	21.6	
9.4		59.4	29.4	
9.0	26	9.4	0.8	
10.0		25.4	14.7	
8.4		32.4	27.6	8.5
5.8		46.9	33.8	4.0 GStπ
9.8	27	5.9	32.5	
9.4		12.4	14.5	
10.0		40.4	44.2	
9.0		49.9	23.6	
10.0	28	10.4	6.1	
10.0		11.4	6.9	
9.0		30.4	4.0	
10.0		35.4	21.4	
6.8		39.9	13.5	6.5 GStπ
9.0		41.5	31.7	
8.8	29	19.0	5.2	9.0
7.9	30	3.0	56.4	
8.2		9.0	29.0	8.5
9.0		34.0	27.2	9.0
8.0		36.5	33.3	8.5
9.6		39.0	43.3	
8.5		51.5	53.4	9.0
9.9	31	50.5	43.3	
8.1	32	9.5	8.4	7.0 GSct
10.0		11.5	7.5	
9.4		20.5	6.0	
9.3		21.5	46.7	
9.9		25.0	55.8	
9.9		34.5	35.4	
9.3	33	11.3	2.3	9.5
9.4		13.5	36.7	
10.0		14.0	25.5	
8.8		16.8	2.9	9.0
9.2		29.5	16.3	9.0
9.6		29.5	19.7	
8.6		51.5	32.4	
9.8	34	11.0	48.9	
10.0		14.5	17.9	
10.0		21.0	19.0	
9.4		24.5	33.9	
9.3		25.5	5.2	
8.5		37.5	14.5	
9.6	36	11.5	30.8	
8.7		30.5	40.6	
8.8		49.0	3.4	8.8
8.0		54.5	18.6	8.5 G
8.4	37	0.0	46.4	
9.9		11.5	30.2	
9.6		21.3	8.1	8.5 G
9.9		23.3	12.9	
9.1		36.8	31.2	
9.9		40.8	43.3	
10.0		41.8	0.7	
	+0	53.2	+1.0	

721—780.

mag.	5h. m	s	—35° '	
10.0	38	0.5	23.0	
8.8		24.3	9.4	
10.0		37.3	2.5	
8.8		39.8	19.4	
8.7		53.3	33.0	9.0
9.6	39	20.8	37.4	
8.5		41.3	32.0	9.0
10.0		48.8	28.1	
10.0	40	0.8	51.1	
8.4		13.8	28.4	9.0
9.4		15.8	44.2	
10.0		27.8	6.5	
9.9		35.8	27.8	
8.8		36.1	51.1	
9.8		54.3	42.8	
9.9	41	45.1	26.7	9.0 G
10.3		54.9	36.7	
10.4	42	9.9	13.8	
9.3		25.9	41.4	9.0
7.4		54.9	43.3	6.5 GSg
9.8	43	19.4	20.0	9.5
8.6		36.4	22.3	8.5 GS
10.4		41.9	49.4	
10.8		50.9	45.6	
9.2	44	18.9	52.1	9.0
9.4	45	28.7	57.0	
10.8		39.9	18.1	
10.3		44.9	38.6	
10.6	46	14.7	40.8	
9.1		14.7	58.0	9.0
10.3		24.4	57.4	
5.1		33.4	48.9	3.0 GSπλ
10.4		38.4	50.2	9.5 G
10.8		51.9	53.4	
7.4	47	32.6	56.5	8.0 Gtπ
10.8		49.4	55.8	
10.4		51.2	58.0	
10.8		54.9	50.2	
8.3	48	1.9	23.3	8.5
10.4		14.4	19.9	
8.4		26.4	38.6	8.5 G
10.8		59.4	29.6	
9.4	49	6.4	51.1	
10.8		24.9	45.2	
10.2		40.9	22.1	
7.2		44.4	55.8	7.0 G
8.2	50	5.4	6.4	8.2 G
10.6		31.9	9.0	
10.8		41.9	53.8	
10.8	51	18.4	6.6	
10.3		28.4	0.8	
9.0		28.9	7.3	8.5 GS
10.8		30.4	59.8	
9.3		31.9	20.0	
10.3		43.9	52.8	
9.6	52	50.9	28.6	
10.6		59.7	59.2	
9.6	53	0.6	1.1	9.5 G
9.9		5.4	45.7	
3.6		6.4	17.7	4.5 GStπ
	+0	53.0	+0.5	

781—840.

mag.	5h.–6h. m	s	—35° '	
9.2	53	8.4	11.1	
9.0		19.9	6.6	9.2
9.6		29.9	56.1	
8.4		39.9	48.7	
9.2		56.4	40.6	10.0
9.0	54	13.6	1.2	9.0 G
9.9		32.4	6.4	
10.2		47.9	46.0	
10.3		56.4	49.7	
8.0	55	13.9	21.6	GS
10.4		32.4	38.0	
9.4		49.9	18.5	
10.6	56	15.9	29.0	
10.8		19.9	10.2	
10.8		33.7	22.5	
9.3		45.4	20.3	
10.4		54.9	29.1	
7.4	57	13.6	2.8	GS
10.8		14.9	54.2	
10.8		18.9	4.7	
9.4		19.4	5.5	
9.6		19.9	27.0	
9.9		39.4	35.9	
10.8		46.7	15.2	
10.2	58	4.4	16.3	
9.9		31.9	57.9	
10.3		40.9	6.4	
10.6		57.9	23.9	
10.8	59	12.9	46.4	
10.3		14.4	48.9	
10.3		19.9	17.9	
10.6		23.9	25.6	
10.8		31.9	49.6	
9.3		32.4	6.7	9.0 G
10.6	0	7.4	44.5	
10.2		23.9	24.4	
9.1		39.4	47.5	9.0
10.8		39.4	46.6	
10.0		59.6	29.6	
5.7	1	2.1	30.3	6.0 GSg
8.2		4.6	31.7	8.0 GSg
9.6		14.6	15.0	
10.8		19.1	52.3	
10.8		20.6	37.8	
10.6		29.1	36.9	
10.8		58.6	28.0	
10.4	2	4.6	48.3	
10.8		13.1	33.8	
10.8		39.6	37.3	
10.8		59.1	57.1	
7.5	3	3.1	12.5	8.5 G
10.2		9.6	47.4	
9.9		29.1	25.0	
10.4	4	12.6	28.3	
8.4		14.4	0.0	9.0
10.8		15.6	58.2	
10.4		50.1	58.8	
9.2		56.1	17.8	
10.8		57.6	39.6	
8.8	5	4.6	6.7	
	+0	53.0	0.0	

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841—900.

mag.	6h. m	s	—35° ′	
9·1	5	34·6	44·0	9·5
10·8		35·6	40·3	
9·0		36·6	49·4	
9·9		39·6	26·9	
9·9		49·1	34·5	
8·4		58·1	44·7	9·0
10·3	6	4·1	22·0	
8·8		12·1	9·0	
9·6		43·6	27·5	
9·0	7	1·6	32·1	
10·8		6·6	33·7	
10·8		7·1	26·9	
10·4		9·4	27·9	
10·3		19·6	38·2	
10·1		30·3	27·4	
9·4		37·0	0·5	
9·8		38·1	54·7	
9·2	8	0·6	13·6	
10·0		29·1	12·8	
10·0		34·1	37·2	
10·1		53·9	24·1	
10·1	9	4·1	55·3	
8·4		8·6	46·1	8·5
9·8		8·6	2·1	
10·1		10·0	1·9	
8·9		10·6	54·0	
8·4		16·6	41·0	8·5 G
10·0		18·6	58·7	
10·1		25·6	25·0	
10·1		26·1	22·8	
8·4		44·6	14·7	9·0
9·4		49·1	41·6	10·0
8·9	10	10·6	24·9	
8·5		54·6	24·1	
9·2	11	59·1	56·2	
7·6	12	0·6	23·2	7·5 G
6·4		6·1	6·0	4·8 GStπ
9·2		10·6	53·6	
8·4		28·1	51·6	8·5 G
9·2		42·6	6·0	
7·4		43·1	55·5	8·0 G
9·2		45·1	40·9	
10·1		58·6	16·3	
10·1	13	20·1	7·0	
10·1		20·1	4·0	
10·0		30·1	36·5	
10·1		44·6	12·0	
10·0		46·1	13·9	
10·1		51·8	29·8	
10·1		55·8	30·0	
10·1		59·8	31·9	
8·2	14	21·8	51·7	8·5 G
9·4		21·8	9·6	
9·4		24·8	11·1	
9·2		28·3	33·2	
9·6		49·3	34·5	
9·6	15	4·8	57·1	
9·8		6·8	6·8	
8·6		23·3	29·9	
9·5		27·3	50·1	
25pr.	+0	53·0	−0·4	

901—960.

mag.	6h. m	s	—35° ′	
10·0	15	51·8	26·6	
9·0	16	9·3	13·3	
10·1		9·3	21·4	
7·8		16·3	35·4	
9·0		21·8	29·3	
10·1		21·8	24·8	
8·5		42·8	3·9	8·5
8·6		44·3	4·1	9·0
9·8		58·3	34·0	
10·0	17	9·3	11·3	
10·1		11·3	31·4	
8·8		43·8	50·0	
8·4		49·3	17·5	
10·1	18	2·8	34·9	
8·6		38·8	37·6	
9·8		44·3	3·3	
10·1		48·3	16·9	
9·6		59·8	58·5	
9·8	19	0·8	18·0	
10·0		9·3	33·9	
9·2		13·8	3·9	9·0
10·0		14·8	40·3	
8·6		23·3	44·9	
9·4		43·8	47·7	
9·8		48·3	3·7	
8·6		56·1	12·9	8·5
9·8	20	13·6	30·8	
9·8		14·1	52·5	
10·1		19·1	55·0	
10·0		36·6	18·1	
9·2	21	15·1	30·3	
7·4		18·1	37·6	8·5
9·4		20·1	18·7	
8·2		30·6	15·9	7·5 G
9·5		40·6	44·5	
9·2	22	9·6	45·5	
10·0		26·1	15·0	
9·4		36·1	14·4	
9·4		51·1	55·7	
9·4	23	12·1	50·1	
10·1		14·6	21·5	
9·2		23·1	27·2	
9·8		35·1	21·3	
8·9	24	9·6	4·9	9·5
8·2		9·6	10·9	8·8 G
9·6		11·6	26·2	
10·1		20·6	24·5	
9·4		29·6	55·3	
10·1	25	6·6	53·9	
10·0		35·6	12·7	
9·4		38·6	47·4	
9·4		39·6	38·1	
10·0		58·6	8·3	
9·0	26	0·6	23·7	10·0
10·0		34·6	16·3	
8·2		36·6	23·3	8·0
7·4		46·1	10·2	6·5 GSct
8·0		49·6	32·2	8·5 G
10·0	27	1·1	43·2	
10·1		45·6	36·5	
	+0	53·1	−0·8	

961—1020.

mag.	6h. m	s	—35° ′	
8·9	27	53·1	53·4	
8·9	28	2·2	46·8	
9·0		40·2	27·8	9·0
10·1		40·2	10·9	
9·0		50·2	21·8	9·0
10·1	29	4·2	27·9	
10·1		9·7	7·3	
9·4		17·2	27·0	
10·0		17·7	24·9	
10·0		28·2	21·6	
9·2		32·9	0·5	
8·6		54·2	6·9	9·0
9·4	30	5·2	6·7	
8·9		9·2	35·8	
9·2		19·2	35·4	
10·1		59·7	12·3	
7·2	31	30·7	59·1	7·0 GSg
7·8		31·2	4·2	8·5 G
9·4		52·7	56·2	9·0
10·1		54·1	10·1	
9·0		59·7	13·7	
8·8	32	29·7	2·7	8·5
9·4		32·5	45·6	
9·4		36·2	31·2	
10·0	33	6·6	50·5	
10·1		12·6	7·8	
10·1		19·6	32·7	
9·8		22·3	38·0	
9·6		46·3	43·1	
9·4		55·8	18·7	
9·9	34	24·8	9·6	
9·1		28·3	18·3	
8·5		32·3	23·5	G
8·2		34·3	1·6	8·2 G
9·9		40·8	59·5	
8·0		49·7	25·1	8·0 G
8·2		58·3	53·9	9·0
9·0	35	8·7	49·0	9·5
9·5		10·6	22·0	
9·6		44·7	7·7	
9·2		59·8	40·1	
9·1	36	2·3	18·6	
9·2		10·3	53·5	9·0
9·9		27·3	34·7	
9·9		27·8	31·8	
9·4	37	11·3	26·1	9·0
9·8		29·8	8·2	
9·2		33·8	28·7	8·5
9·9		46·8	41·9	
9·9		49·3	56·3	
9·2		52·3	54·5	9·0
9·2	38	17·3	33·4	
9·9		28·8	16·4	
9·2		29·3	54·2	
9·9		49·3	42·4	
9·9		49·8	42·0	
8·2		52·8	30·4	8·8
9·9		54·3	35·9	
9·2	39	12·8	44·0	
9·9		25·3	10·7	
	+0	53·2	−1·2	

1021—1080.

mag.	6h. m	s	—35° ′	
9·8	39	36·3	8·2	
9·9		36·8	59·9	
9·4		48·8	11·8	
9·9	40	31·1	56·1	
8·8		45·1	4·5	9·2
9·8		48·1	2·2	9·5
9·8	41	30·1	31·3	9·5
9·6		37·6	9·9	
8·4	42	27·6	42·7	8·5
9·6		29·1	31·2	
8·8		34·1	52·3	9·0
8·4		55·1	48·3	8·5
9·9	43	4·6	35·3	
9·6		19·1	46·1	9·0
9·2		30·1	5·6	
9·9		45·1	9·3	
9·2		53·1	35·3	9·0
9·0	44	14·6	33·3	9·5
8·3		17·6	37·7	8·0 G
8·8		34·6	11·5	
9·0		41·6	4·5	9·2
9·1		49·6	11·9	
9·8		59·6	56·7	
9·6	45	9·1	24·3	
9·4		19·6	34·9	
9·9	46	7·1	41·6	
8·5		44·1	19·1	8·5
9·9	47	10·1	57·8	
8·5		25·1	55·1	8·8 G
9·8		45·1	26·3	
7·8		51·1	8·4	8·0 G
9·9	48	25·1	56·3	9·0
9·9		55·2	57·3	
9·2		59·1	4·4	
8·5	49	20·1	41·0	8·5
9·9		50·6	23·2	
9·9	50	17·1	46·9	
9·9		28·1	25·2	
9·9		44·1	33·5	
9·0	51	34·6	32·3	8·5
9·9		48·8	2·2	
7·6	52	16·8	10·5	6·5 GSct
9·1		30·8	56·0	9·0 G
9·9		34·8	6·1	
6·8		49·3	20·5	6·5 GSc
8·0	53	6·8	17·9	7·5 GS
9·4		9·3	28·6	
7·5		48·3	15·1	7·3 G
9·8		55·3	34·7	
9·5	54	46·6	58·7	
9·2	55	14·3	38·7	
9·9		27·0	51·6	9·2
9·6		35·8	57·9	
9·9		37·6	33·9	
9·0		39·8	25·0	
9·8		46·8	45·1	
10·0	56	6·3	19·9	
7·9		10·1	39·7	8·0 G
8·4		12·0	51·6	8·2 G
9·2		43·3	42·1	
	+0	53·5	−1·7	

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1081—1140.

mag.	6^h—7^h m	s	—35° ′	
10·0	56	46·6	10·7	9·0
8·5	57	3·3	10·2	7·5 G
10·0		15·0	36·6	
7·2		19·0	22·2	7·0 GSc
8·7		31·0	24·5	9·0
9·0		32·7	35·8	8·5
9·8		51·7	41·4	
9·0	58	11·2	14·7	
10·0		11·2	53·2	
9·8		13·2	31·4	9·0
9·4		22·2	21·0	
9·4		25·2	4·3	
10·0		37·2	46·2	
10·0		54·2	50·0	
8·6		55·2	8·2	8·5
10·0	59	2·2	32·7	
10·0		11·2	53·9	
9·5		15·2	6·8	
10·0		15·7	57·8	
9·4		18·7	46·2	
10·0		26·2	11·5	
10·0		33·7	13·4	9·0
9·4		36·5	57·0	9·5
9·0		39·2	57·5	9·0 G
9·4		39·7	18·8	
10·0		41·8	35·5	
9·3		57·2	48·0	9·0
10·0		57·7	0·8	
8·6	0	15·7	43·7	9·0
8·4		45·7	45·0	7·5 G
8·7		47·2	34·4	9·5
9·8	1	1·2	50·4	
9·8		2·2	31·6	
9·4		24·7	31·8	9·0
9·8		31·7	51·2	
9·8		44·2	0·2	
8·6		52·2	33·4	8·0
10·0	2	16·2	22·2	
9·6		33·7	53·0	
10·0		35·2	35·7	
10·0		57·2	35·0	
8·8	3	0·2	40·7	8·5
8·8		9·2	11·2	8·5
8·8		16·7	45·3	9·0 G
9·2		20·2	9·6	9·0
8·2		21·2	37·0	7·5 G
9·8		42·2	34·9	
8·9		51·7	21·0	
9·3		53·7	5·9	
9·4	4	35·2	16·6	
8·5		49·2	35·6	8·5
8·2		59·2	5·1	8·5
7·7	5	2·2	47·4	7·5 G
9·5		9·7	15·4	
9·7		38·2	3·5	
9·6		42·2	15·8	
9·8		50·7	31·8	
8·6	6	19·2	8·8	
10·0		20·2	3·6	
10·0		26·7	48·3	
25pr.	+0	53·8	—2·2	

1141—1200.

mag.	7^h m	s	—35° ′	
9·8	6	30·2	17·7	
9·4		33·2	13·3	9·0
9·6		42·7	29·2	
9·6		45·7	17·0	
10·0	7	7·4	0·0	
9·0		7·7	25·3	9·0
9·8		11·7	40·1	
9·7	8	3·7	56·3	
9·3		16·2	11·0	
9·7		32·7	7·4	
9·0		41·2	26·6	
10·0		43·7	29·7	
9·4		56·2	55·4	
10·0	9	6·2	51·5	
8·9		15·7	6·3	8·5
9·0		19·2	14·5	9·5
8·4		25·2	52·2	8·5
10·0		45·2	56·1	
10·0		47·2	0·9	
8·5	10	2·7	57·2	8·5
8·6		10·2	34·5	
8·4		14·7	1·9	8·5
10·0		18·8	39·9	
9·0		30·3	19·3	
10·0		42·3	21·0	
9·4		44·8	55·6	
9·0	11	6·8	42·0	9·0
8·2		7·8	28·8	8·5
8·2		21·3	35·7	8·5
10·0		29·8	51·7	
8·7		39·8	57·4	
9·5		44·8	7·3	
10·0		48·8	49·2	
9·0		59·8	40·2	9·5
10·0	12	11·8	50·4	
8·7		44·1	2·9	9·5
9·4		45·3	8·2	
9·2		56·8	36·6	
10·0		59·8	24·2	
9·8	13	18·3	55·1	9·0
10·0		25·3	26·0	
10·0		31·8	2·2	
10·0		32·8	30·4	
10·0		33·8	51·2	
8·5		34·3	23·2	9·0
8·7		39·8	35·4	9·0
10·0		44·8	48·1	
10·0	14	11·8	45·1	
10·0		38·8	46·2	
9·8		38·8	6·6	
7·7		43·8	56·3	8·5
9·3		50·8	33·5	
9·0		54·8	51·3	9·5
10·0	15	5·8	9·0	
10·0		10·8	48·6	
8·8		18·8	54·0	9·0
10·0		29·8	19·6	
9·2		41·3	37·5	
9·2		45·8	13·9	
9·4		49·8	3·0	
	+0	54·2	—2·6	

1201—1260.

mag.	7^h m	s	—35° ′	
9·2	15	56·6	34·9	
9·6	16	2·6	43·8	
10·0		7·6	11·0	
9·7		10·1	43·2	
9·8		24·6	30·9	
9·7		36·6	7·8	
7·9		42·6	15·6	8·5
8·9		49·6	31·8	8·5
9·0		54·6	3·6	9·5
9·4		58·6	33·1	
9·8		59·6	45·8	
8·7	17	10·6	12·1	8·5
8·8		19·6	4·0	9·0
7·4		45·6	40·8	GSg
10·0		57·1	48·7	
9·8		58·6	6·8	
9·8	18	14·1	15·2	
9·0		43·6	50·2	
8·2		51·6	32·8	8·5
10·0		58·1	51·2	
9·3	19	6·6	27·1	
9·0		9·6	31·2	9·5
6·8		26·6	35·6	6·5 GSg
10·0		37·6	24·6	
10·0	20	9·1	5·8	9·5
9·4		41·1	28·2	
10·0		55·6	11·0	
10·0	21	4·3	13·3	
9·5		12·1	8·6	
9·5		17·6	41·3	
8·8		21·1	20·7	9·5
10·5		25·9	37·2	
10·5		29·9	30·2	
8·6		38·4	20·7	9·0
9·6		59·9	56·0	
10·3	22	7·9	37·2	
9·6		24·2	8·5	9·5
9·8		28·4	48·0	
9·6		34·2	9·1	
10·2		45·9	55·3	
10·5		49·9	53·9	
10·0		50·4	38·5	
9·8		51·9	5·1	
10·5		54·9	27·8	
10·4	23	0·9	52·9	
10·5		9·9	30·1	
10·4		13·1	0·1	
10·4		20·1	2·3	
10·3		24·9	43·7	
10·4		30·3	1·5	
10·0		35·9	9·7	
9·8		44·4	9·0	
9·8		45·9	8·5	
7·9		49·3	0·3	7·0 GS
10·2		54·9	56·3	
8·9	24	3·9	27·3	9·0
10·5		25·4	0·6	
10·4		28·4	9·2	
9·6		28·4	49·8	
9·6		28·4	47·7	
	+0	54·4	—2·9	

1261—1320.

mag.	7^h m	s	—35° ′	
9·2	24	29·9	7·2	
10·2		34·6	2·7	
10·4		37·4	41·5	
9·6		38·9	7·2	9·5
10·3	25	4·9	26·3	
10·3		22·9	48·3	
10·0		28·4	18·1	
10·3		35·3	1·3	
10·3		39·9	4·7	
9·8		39·9	14·5	9·5
9·3		44·9	23·7	
10·5		46·9	27·3	
9·6		51·9	35·7	
10·5	26	1·6	38·0	
9·6		1·9	9·2	
10·2		6·9	6·1	
10·5		9·9	41·3	
10·2		10·9	55·1	
10·4		11·6	43·3	
10·4		12·4	7·3	
9·8		13·9	17·4	
9·4		27·8	0·3	9·5
10·4		36·4	5·3	
9·8		36·9	10·3	
10·0		39·9	11·1	
10·5		49·6	56·3	
9·0		49·9	25·2	9·0
7·2		54·9	53·5	7·0 GSg
10·5	27	7·9	35·9	
9·6		8·4	15·9	
10·1		9·4	19·5	
7·2		9·9	37·3	6·5 GSg
9·3		18·4	15·7	
10·3		19·9	10·7	
9·8		42·1	2·7	
10·1		45·4	12·5	
6·7		49·9	41·6	6·5 GSg
10·4		52·9	40·9	
9·4		56·9	18·1	
10·0		57·1	56·8	
10·3		59·9	40·1	
9·6	28	1·4	17·9	
10·1		2·9	21·6	
9·6		8·9	44·1	
10·5		11·9	14·6	
10·5		13·9	24·0	
9·0		16·4	20·8	
10·4		17·4	20·3	
10·5		17·9	42·4	
10·3		25·4	5·6	
10·5		25·9	5·2	
10·5		29·9	22·2	
9·6		29·9	30·0	
9·8		30·4	35·6	9·5
10·1		30·6	25·8	
10·3		32·9	22·4	
9·8		37·4	32·7	
10·5		41·4	37·3	
10·3		45·4	53·0	
10·4		50·4	53·4	
	+0	54·7	—3·1	

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1321—1380.

mag.	7h. m s	−35° ′	
9·8	28 54·9	3·4	
10·1	58·9	7·1	
9·8	29 5·4	33·2	
10·5	5·6	0·2	
9·8	5·9	51·2	
9·0	15·4	41·4	8·0 G
10·4	15·6	50·3	
8·9	16·9	32·5	7·0 G
10·1	23·4	10·4	
9·2	29·9	0·1	
10·1	30·9	30·4	
10·2	33·9	32·0	
10·1	37·4	30·6	
8·4	42·4	16·8	8·5 G
9·8	47·9	52·0	
10·5	50·4	59·9	
10·4	50·9	22·4	
9·8	53·9	6·9	
10·1	54·8	51·5	
10·5	55·8	21·0	
10·2	30 2·8	36·0	
9·8	4·8	40·9	
10·2	7·3	39·4	
10·5	9·8	25·0	
10·0	9·8	55·7	
10·0	13·8	28·2	
9·8	16·3	38·8	
8·9	19·8	28·9	9·0
10·5	21·8	26·9	
10·2	22·3	45·2	
10·5	25·8	27·2	
9·8	28·3	46·7	9·5
10·0	28·3	24·3	
10·0	30·8	22·6	
9·8	31·8	12·7	
10·5	33·8	49·9	
10·1	36·3	41·3	
9·6	39·8	17·1	
9·8	41·8	0·0	10·0
10·1	42·3	41·1	
10·1	43·8	9·2	
9·8	44·8	7·6	
10·5	49·3	24·5	
10·5	49·8	22·9	
10·5	54·8	48·8	
10·5	31 1·8	46·6	
10·3	3·3	48·0	
8·0	4·8	53·3	8·0 GSt
10·5	4·8	1·4	
9·3	5·8	32·1	9·5
10·4	11·3	2·7	
10·3	11·8	32·6	
10·5	14·8	40·1	
9·6	19·3	3·2	
9·6	19·3	30·1	10·0
10·3	20·8	29·0	
9·8	21·8	8·7	
9·8	24·8	26·3	
10·3	29·8	30·9	
9·8	30·3	7·7	
25pr.	+0 54·8	−3·2	

1381—1440.

mag.	7h. m s	−35° ′	
10·4	31 30·8	28·4	
10·5	32·3	57·6	
10·5	40·5	59·7	
9·0	45·3	18·6	8·5
10·1	50·8	21·7	
9·6	54·3	19·1	
10·5	54·3	32·3	
10·3	59·8	34·8	
10·5	59·8	55·9	
10·5	32 1·8	39·9	
9·8	1·8	35·8	
8·6	4·3	27·9	9·0
10·4	9·8	3·3	
10·5	16·3	24·4	
10·5	19·8	39·6	
10·0	24·8	38·2	
9·6	25·3	59·9	9·5
10·2	26·8	4·5	
8·9	31·8	2·5	
9·6	34·3	7·7	
9·6	34·4	2·2	
10·3	40·8	7·1	
10·4	46·3	28·9	
10·3	47·8	13·8	
10·5	49·3	12·1	
10·3	49·8	50·6	
9·8	52·3	44·2	
9·6	53·5	59·3	9·5
10·0	58·8	15·2	
9·2	33 10·3	50·0	8·5 G
9·6	10·3	52·0	
10·5	11·3	51·1	
10·0	13·8	17·3	
10·0	15·3	12·6	
10·1	18·8	25·7	
10·1	21·8	43·1	
10·3	23·1	0·3	
10·5	23·8	22·2	
8·4	24·3	49·8	8·5 Gt
10·5	29·8	20·3	
10·2	32·3	54·3	
10·5	34·3	50·5	
10·5	35·8	30·2	
10·4	44·8	53·0	
10·3	51·3	15·4	
10·1	52·3	14·3	
10·3	53·3	55·6	
9·8	59·3	43·2	
9·6	34 2·3	10·4	
10·0	3·8	23·3	
9·6	7·8	29·3	
8·3	11·8	31·1	
8·4	11·8	12·1	
10·3	15·8	10·9	
9·8	20·8	45·1	
10·1	21·3	33·1	
9·0	24·8	53·0	9·0
9·2	31·7	2·4	9·5
10·1	44·3	38·7	
9·8	46·8	52·0	
	+0 54·9	−3·3	

1441—1500.

mag.	7h. m s	−35° ′	
9·5	34 47·8	26·6	
9·8	54·3	52·1	
10·5	54·8	13·0	
9·2	57·8	57·4	9·0
9·8	59·8	7·4	
8·2	35 5·3	24·2	
9·6	7·8	1·9	
10·2	8·8	44·8	
10·0	12·8	46·3	
10·5	14·3	31·9	
10·4	14·3	23·2	
8·8	18·0	56·9	8·5
10·5	19·8	10·3	
10·5	23·8	19·8	
9·6	25·3	18·7	
10·2	31·3	11·1	
10·4	36·3	14·1	
9·6	38·3	30·2	
10·5	38·4	26·1	
9·0	39·3	14·8	
10·5	44·8	8·4	
10·5	52·3	6·6	
10·4	54·8	23·3	
9·3	36 0·3	30·2	
10·5	0·8	20·2	
9·0	11·8	21·1	9·0
10·5	24·8	3·4	
10·3	25·8	59·6	
9·8	31·8	26·4	
10·3	32·3	8·8	
9·8	38·3	45·7	
9·2	39·8	17·6	9·5
10·1	42·3	32·1	
10·2	43·3	43·1	
10·4	50·8	13·8	
10·5	54·0	0·7	
9·6	56·8	20·8	
9·8	59·3	3·3	
9·2	37 0·3	53·3	
10·5	0·3	5·7	
10·4	3·3	58·7	
9·6	9·3	57·3	
9·6	15·1	7·9	
10·4	34·6	46·8	
10·5	38·1	29·0	
10·0	45·1	29·1	
8·0	48·1	51·2	8·0 G
9·8	51·6	48·7	
10·3	55·6	42·0	
8·8	59·6	58·3	9·0
9·2	59·6	15·0	
10·0	38 5·1	48·1	
9·8	6·6	49·4	
10·5	9·6	53·4	
10·5	15·6	19·1	
10·3	19·1	18·2	
10·4	19·6	17·6	
9·8	20·6	6·2	
10·3	21·6	15·8	
8·8	23·6	17·5	
	+0 55·1	−3·4	

1501—1560.

mag.	7h. m s	−35° ′	
10·4	38 25·6	3·8	
10·0	27·6	17·8	
9·6	36·1	3·1	
5·2	38·1	45·2	6·0 GStπ
9·8	50·6	48·0	
9·8	52·0	58·7	
10·5	59·8	59·2	
10·5	39 0·6	51·4	
9·5	1·6	19·8	
10·3	8·1	21·1	
10·5	9·6	25·6	
10·4	9·6	19·6	
9·5	13·1	4·9	
8·5	14·1	55·2	7·8 Gtπ
10·2	16·1	45·2	
10·3	18·1	52·8	
9·8	19·5	57·4	
10·4	23·1	26·7	
10·3	24·1	41·9	
10·5	24·2	35·0	
9·5	24·6	33·4	
9·8	24·6	38·2	
10·4	29·5	18·1	
10·5	30·1	13·0	
10·3	30·6	7·3	
10·0	31·6	30·8	
9·8	34·6	6·3	
6·8	35·1	45·9	6·0 GStπ
10·5	35·5	33·9	
9·8	39·1	59·2	
9·4	46·3	59·0	
9·0	49·1	54·2	9·0
9·8	51·6	47·9	
10·5	58·6	12·3	
10·4	40 0·6	17·8	
9·8	8·6	18·7	
9·5	9·6	8·4	
10·5	10·1	3·8	
10·4	16·6	45·3	
10·5	17·6	3·3	
10·5	19·6	3·0	
10·5	20·1	55·3	
9·6	27·6	27·6	
10·4	29·6	35·5	
10·0	31·1	34·2	
9·6	31·1	50·2	
10·3	35·1	29·9	
10·5	36·6	48·2	
10·1	56·6	31·8	
8·8	41 1·6	3·4	9·2
8·8	5·6	44·3	
10·4	6·6	11·2	
10·5	11·1	53·9	
9·6	12·6	30·2	
8·2	18·1	3·0	8·5
10·0	24·6	35·2	
10·4	27·6	50·6	
9·8	30·6	12·8	
10·5	44·1	38·2	
10·5	50·1	39·7	
	+0 55·2	−3·5	

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1561—1620.

mag.	7h. m s	—35° ′	
10·4	41 56·6	29·9	
10·1	56·6	30·2	
10·1	59·6	3·3	
10·5	42 1·6	21·0	
10·5	7·1	49·2	
9·8	11·6	30·3	
10·4	14·6	8·2	
10·3	16·6	15·2	
9·8	17·1	40·2	
9·8	17·6	3·3	
10·1	21·1	42·8	
10·3	21·6	28·8	
10·4	27·1	0·8	
9·8	30·6	28·9	
9·8	31·6	12·2	
10·2	32·6	19·6	
10·5	34·1	2·7	
8·6	37·1	4·4	8·8
7·6	39·6	46·0	7·0 GSg
10·5	40·6	27·8	
10·5	44·6	27·0	
9·8	49·1	10·1	
10·4	50·6	53·5	
10·0	43 0·6	39·3	
9·8	1·1	27·3	
9·8	1·6	26·9	
10·2	3·1	50·6	
10·2	6·6	58·9	
10·3	8·6	29·7	
10·5	15·1	24·1	
10·3	18·1	49·4	
9·4	19·6	52·2	
10·1	21·6	16·8	
10·1	23·1	44·7	
10·5	23·6	46·1	
10·5	24·1	29·9	
10·0	27·6	43·0	
10·5	28·6	0·0	
10·2	30·6	28·9	
10·2	34·6	41·0	
10·0	35·1	30·5	
10·2	38·6	56·5	
9·6	40·6	6·4	9·5
10·5	42·1	55·9	
10·2	42·1	4·2	
10·5	43·4	28·0	
9·6	43·6	6·1	
10·5	44·6	31·1	
9·6	49·6	52·2	
10·2	49·6	35·0	
10·3	51·6	40·1	
9·8	51·6	35·2	
10·0	55·6	52·4	
10·5	59·6	45·4	
9·6	59·6	3·5	9·2 G
9·6	44 5·1	24·6	
9·3	9·6	36·8	
8·3	11·6	25·7	
9·5	15·0	1·6	
10·5	16·1	47·8	
25pr.	+0 55·3	—3·6	

1621—1680.

mag.	7h. m s	—35° ′	
10·3	44 17·6	24·3	
10·3	25·1	45·0	
10·1	27·6	27·4	
9·6	29·6	45·2	
9·6	31·6	49·3	8·5
9·6	31·6	45·6	
10·2	37·4	28·1	
9·8	38·1	42·8	
10·0	39·1	42·5	
9·5	39·6	28·3	
10·5	39·6	1·0	
10·3	46·8	1·3	
10·2	50·6	23·8	
10·5	50·6	7·0	
10·5	45 0·6	11·5	
10·5	9·1	18·3	
10·5	9·6	17·4	
7·4	13·6	46·7	GSg
9·8	13·8	0·5	
9·8	14·1	19·0	
10·0	15·6	37·3	
9·6	15·6	10·1	
10·5	26·4	9·0	
9·8	29·6	48·6	
10·3	31·6	33·7	
9·5	34·6	24·4	
8·6	42·1	26·1	8·5 G
7·9	43·6	28·4	7·5 G
9·8	45·6	25·9	
7·2	50·6	55·6	7·5 GSg
9·8	50·6	50·7	
9·8	54·1	33·3	
9·8	55·1	29·1	
7·6	46 0·1	56·6	8·0 GSg
9·6	0·1	2·8	
10·5	11·6	40·3	
10·3	16·1	7·8	
9·8	19·6	0·7	
10·5	20·9	59·3	
9·2	24·1	54·9	9·2
10·5	24·1	28·2	
10·4	28·6	43·6	
10·5	30·1	7·6	
9·2	30·6	3·5	
9·6	39·6	28·2	
8·8	49·6	29·4	
9·8	58·6	11·5	
9·6	59·1	44·9	
9·6	59·8	1·6	
9·8	47 2·9	52·0	
10·2	3·6	29·9	
10·0	9·6	28·9	
10·0	10·6	44·2	
9·6	21·6	50·3	
10·5	23·6	36·9	
10·5	25·6	36·6	
9·8	27·6	9·2	
10·1	30·6	51·6	
10·5	31·1	2·0	
8·4	38·1	44·5	9·0
	+0 55·5	—3·7	

1681—1740.

mag.	7h. m s	—35° ′	
10·1	47 39·6	53·0	
10·5	45·4	38·3	
9·8	47·2	38·6	
10·2	51·0	54·9	
10·0	59·8	16·7	
9·2	48 1·6	1·6	
10·0	9·8	53·0	
10·2	19·8	56·7	
9·8	25·3	29·5	
10·2	28·3	4·1	
10·2	29·8	20·7	
9·8	34·3	15·4	
9·8	34·3	26·8	
10·2	38·8	42·9	
10·0	42·3	13·7	
8·8	42·3	29·7	
9·3	45·8	17·7	9·0
10·2	52·1	0·0	
10·2	53·8	39·9	
9·4	59·8	8·9	
10·0	59·8	1·0	
9·0	49 27·3	53·8	9·0
9·0	29·3	24·4	9·0
5·7	32·8	33·0	6·0 GStπ
10·2	35·3	9·3	
9·8	36·8	42·4	
9·6	37·8	12·2	
10·2	39·8	47·2	
9·4	40·8	14·8	
10·2	52·3	25·1	
10·2	54·7	4·8	
10·2	55·3	14·8	
10·2	55·3	48·3	
9·8	59·8	5·4	
8·1	50 4·6	56·9	8·5
9·8	5·8	8·6	
9·6	9·3	13·4	
10·2	12·3	44·3	
8·8	17·3	14·7	9·0
10·2	21·8	51·7	
9·6	30·3	9·7	
9·6	30·3	3·2	9·0
9·8	41·8	40·3	
10·0	49·8	43·9	
10·2	51 1·3	27·9	
10·0	1·8	40·7	
9·6	4·8	42·1	
10·2	16·8	29·9	
7·8	20·8	34·9	8·5 G
9·8	28·8	38·4	
10·2	35·6	2·2	
9·8	36·8	15·5	9·5
10·0	39·3	49·9	
8·8	39·8	13·4	9·0
10·2	45·8	56·9	
10·2	53·3	49·3	
10·2	55·3	2·1	
10·2	52 4·8	14·7	
9·6	4·8	24·0	
9·1	10·3	47·2	9·0
	+0 55·7	—3·9	

1741—1800.

mag.	7h. m s	—35° ′	
10·2	52 25·8	6·5	
8·4	31·3	2·7	8·2 G—
10·2	35·6	0·6	
8·8	46·8	25·8	9·0
10·0	47·3	39·1	
10·2	50·8	32·0	
9·8	53 26·3	34·1	
9·2	28·8	29·7	
10·0	35·3	21·9	
9·8	36·8	47·4	
10·2	57·8	9·5	
10·2	54 10·3	14·7	
10·2	11·3	12·8	
10·2	17·6	2·0	
10·0	19·3	22·1	
10·0	19·8	47·3	
10·2	38·3	53·7	
10·0	44·3	21·0	
10·2	45·3	9·4	
9·1	59·8	46·1	
10·2	55 0·8	11·2	
9·6	3·8	5·0	9·0
10·0	12·3	31·2	
10·0	13·8	54·8	
10·2	14·8	21·9	
9·0	19·3	56·0	9·0
7·8	19·3	9·4	8·5 —
9·8	28·8	25·8	
9·8	33·3	51·3	
7·4	35·8	38·9	7·5 G
9·4	39·8	31·8	
10·0	44·8	49·5	
9·0	49·8	30·0	
9·8	59·3	35·8	
10·2	56 9·8	25·7	
9·1	13·8	46·6	
10·2	29·3	49·4	
10·2	29·8	9·8	
10·0	33·3	43·7	
10·2	34·3	14·9	
8·4	40·3	33·5	7·5 G
10·2	42·8	56·2	
10·2	45·3	32·0	
9·6	46·3	36·2	
7·8	48·3	2·0	8·0 G—
9·8	53·3	9·6	
10·2	55·3	3·9	
7·7	56·8	26·5	G
10·2	59·8	0·2	
10·2	59·8	46·0	
9·8	57 1·8	41·0	
9·0	3·3	3·4	9·5
9·8	7·3	2·0	
9·4	7·3	37·9	
9·3	8·3	21·8	
8·2	9·8	50·0	
10·0	18·0	4·7	
9·3	20·3	4·6	
10·0	35·8	18·4	
9·0	36·3	33·0	
	+0 56·0	—4·1	

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1801—1860.

mag.	7h.–8h. m	s	—35° ′	
10·2	57	39·8	13·1	
9·8		39·8	11·2	
9·4		39·9	59·2	
10·0		40·3	47·1	
10·0		42·3	38·9	
10·2		44·3	42·3	
9·0		44·8	40·8	
10·2		46·3	31·2	
9·6		48·3	57·7	
10·0		53·3	31·3	
10·2	58	8·3	36·9	
8·8		9·3	54·0	8·0
9·6		10·3	31·4	
10·2		11·8	40·6	
10·2		13·8	36·9	
8·5		15·8	52·2	8·0 G
10·2		17·3	3·3	
9·2		21·3	42·1	
9·0		31·8	27·6	
9·0		37·8	33·0	
9·8		39·8	6·7	
10·0		46·8	16·6	
10·2		48·3	19·0	
10·2		53·8	10·6	
9·6	59	0·3	33·7	
8·8		0·8	14·9	
9·0		5·3	37·0	
10·2		5·8	25·9	
8·1		9·8	9·6	8·5
10·2		9·8	28·5	
10·2		10·8	28·9	
9·6		10·8	36·8	
10·2		17·3	34·8	
10·2		19·8	28·9	
10·2		26·8	27·9	
10·2		32·8	39·0	
10·2		39·3	32·8	
10·2		40·8	14·5	
8·8		44·3	40·7	9·0
10·0		47·3	11·6	
10·2		49·8	8·4	
10·0		50·3	41·6	
10·0		51·8	7·2	
9·6		52·8	41·1	
10·0		57·8	36·2	
10·2	0	1·3	37·5	
10·2		1·8	30·8	
10·2		8·6	1·1	
8·1		9·8	47·4	8·5
9·8		12·8	8·0	
10·0		15·7	56·9	
10·2		22·3	16·3	
10·0		23·3	3·4	
10·0		24·3	38·9	
10·2		24·8	19·2	
10·2		25·3	32·8	
9·8		27·3	57·6	
10·2		29·8	38·6	
10·0		32·3	50·1	
10·0		33·3	32·4	
25pr.	+0	56·1	−4·1	

1861—1920.

mag.	8h. m	s	—35° ′	
9·4	0	33·3	44·9	
10·0		43·3	57·5	
9·1		55·8	39·6	
9·6		59·8	24·9	
10·0	1	5·3	46·1	
10·0		5·3	50·4	
10·0		6·3	41·7	
10·2		6·3	47·0	
8·0		9·8	37·3	
10·2		12·9	57·5	
10·2		15·8	41·4	
10·2		21·3	39·5	
9·6		21·3	27·2	
10·0		24·3	30·5	
9·4		30·3	16·9	
10·2		31·3	38·1	
10·2		31·3	33·1	
9·4		33·3	10·4	9·0
10·2		34·8	8·0	
9·1		35·3	27·9	
10·2		35·8	57·9	
9·3		39·3	23·5	
9·8		39·3	15·2	
9·4		39·8	44·4	
9·6		40·8	52·8	
9·8		42·8	32·7	
9·3		43·8	4·9	
10·2		46·3	20·0	
9·8		59·3	59·0	
10·0	2	1·3	25·2	
10·2		6·3	35·5	
10·2		9·8	51·4	
9·8		9·8	18·9	
9·4		16·3	36·3	
10·2		21·3	48·5	
10·2		24·3	47·3	
9·0		28·3	11·5	
10·2		29·3	49·9	
10·0		29·8	18·3	
9·8		30·6	2·3	
9·6		39·3	35·8	
9·8		45·3	48·4	
10·2		53·4	6·5	
10·2		54·3	43·0	
10·2		59·8	8·9	
9·1	3	4·3	38·2	
10·0		8·8	44·6	
9·2		9·8	49·3	
10·2		9·8	33·0	
10·2		10·3	39·6	
10·0		12·8	10·9	
9·8		16·3	32·1	
10·0		24·3	54·4	
10·0		27·3	56·4	
9·8		29·8	52·1	
8·8		32·8	7·2	9·2
10·2		32·8	45·0	
9·8		33·8	11·8	
10·2		39·3	51·3	
9·6		44·3	40·3	
	+0	56·3	−4·2	

1921—1980.

mag.	8h. m	s	—35° ′	
9·8	3	49·8	11·7	
10·2		50·3	15·5	
10·0		51·8	53·5	
10·0		54·3	30·7	
10·2		59·8	13·1	
9·0	4	2·3	31·9	
9·6		3·1	1·4	
10·2		6·3	10·4	
9·3		7·3	8·2	
10·2		7·8	44·3	
10·2		15·8	43·8	
10·2		18·8	44·3	
10·0		19·3	48·2	
9·8		19·3	14·3	
10·0		21·4	29·6	
10·2		21·8	49·1	
10·2		22·3	43·5	
9·4		22·3	8·9	
9·6		22·8	15·9	
10·2		27·3	41·9	
7·4		27·3	5·3	6·7 GSct
10·2		38·3	31·0	
10·2		38·8	10·3	
8·8		40·8	44·2	
10·2		40·8	25·7	
10·2		40·8	24·1	
9·8		44·3	51·5	
9·3		44·8	11·0	
9·4		52·8	10·9	
9·4		52·8	31·4	
10·2		56·3	17·1	
10·2		58·1	0·9	
10·2	5	0·0	58·4	
10·2		1·8	59·3	
10·2		2·3	20·3	
10·2		4·8	16·1	
10·0		7·3	57·0	
10·0		10·8	45·2	
8·6		11·8	35·2	8·0 G
10·0		12·8	47·6	
10·2		14·8	34·7	
10·0		14·8	33·7	
10·2		14·8	2·3	
9·8		15·8	8·8	
9·6		16·3	47·6	
10·2		17·3	43·2	
10·2		18·4	26·6	
10·2		19·3	44·9	
10·0		19·8	39·5	
10·2		23·3	39·7	
9·8		24·8	30·0	
9·8		27·3	44·4	
9·6		29·8	16·7	
10·0		31·3	45·4	
10·0		36·2	59·0	
10·0		38·4	27·1	
8·5		39·4	24·1	
8·7		41·9	51·9	8·0 –
8·2		42·9	13·5	–
10·0		45·7	57·8	
	+0	56·4	−4·3	

1981—2040.

mag.	8h. m	s	—35° ′	
10·2	5	49·4	0·3	
9·1		52·4	23·1	
10·0		53·0	2·8	
10·2		57·4	28·2	
9·6		59·4	14·3	
9·1	6	0·4	42·9	9·5
9·6		1·4	43·1	
10·2		4·4	53·2	
9·1		5·9	54·9	
9·8		8·9	39·0	
9·3		9·4	2·5	
10·2		11·9	51·6	
9·6		14·4	45·0	
10·2		18·9	55·9	
10·2		19·2	59·2	
10·0		20·4	54·1	
9·8		21·8	0·6	
8·5		28·9	26·3	9·5
9·6		28·9	54·1	
10·0		33·9	29·5	
8·5		37·4	4·7	
9·0		38·4	14·3	
9·6		39·9	43·0	
10·2		42·4	20·1	
9·8		43·9	31·5	
10·0		47·9	31·4	
8·8		47·9	2·7	8·5
9·0		49·4	26·0	9·5
10·2		53·4	3·7	
10·2	7	1·4	42·3	
10·0		6·4	54·9	
9·6		8·9	14·7	
9·8		8·9	52·7	
10·0		9·4	56·8	
8·1		10·4	24·0	6·5 G–
9·8		13·9	52·5	
9·8		19·9	53·5	
8·8		19·9	44·1	
9·3		23·9	47·3	
8·1		24·4	21·5	7·5 G–
10·2		26·4	41·4	
9·6		29·4	3·7	
9·6		31·9	59·0	
10·2		32·4	27·1	
10·2		37·4	59·3	
10·0		42·9	39·1	
10·2		48·9	51·2	
9·6		49·4	41·3	
10·2		51·4	2·4	
10·2		52·4	48·0	
9·8		58·9	42·9	
10·2		59·4	59·6	
10·2		59·4	40·9	
10·2		59·4	13·2	
10·0	8	0·9	40·1	
10·2		2·4	13·4	
10·2		4·4	42·8	
9·4		8·9	27·0	8·0
7·6		9·4	51·2	–
10·0		9·9	33·0	
	+0	56·5	−4·4	

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2041—2100.

mag.	8h. m s	—35° ′	
8·4	8 10·4	1·2	8·8 G—
10·2	17·9	37·1	
10·2	20·4	26·9	
10·2	20·4	37·9	
10·0	25·4	10·9	
10·2	26·9	47·3	
10·2	29·9	50·1	
10·2	30·4	28·7	
8·2	34·9	39·7	
7·5	37·2	58·0	GSt
10·2	37·4	12·9	
10·2	39·2	51·6	
10·0	39·4	13·0	
7·4	40·9	56·1	8·0 GSt
10·0	40·9	5·6	
10·2	42·9	10·0	
10·0	42·9	10·1	
4·7	45·4	31·2	5·5 GStπ
10·2	48·9	38·6	
10·0	50·9	55·2	
9·8	54·4	42·9	
10·2	54·4	40·8	
8·8	59·4	21·9	
9·2	9 0·4	53·5	
9·4	2·4	49·6	
9·2	6·9	38·8	
10·2	8·9	43·7	
9·8	8·9	45·5	
10·2	11·9	47·9	
6·8	17·4	57·9	7·0 GSct
5·7	17·4	56·6	6·0 GSct
10·2	17·9	34·0	
9·4	18·9	7·6	9·5
10·2	20·9	13·9	
10·2	21·2	59·8	
10·0	23·9	6·7	
9·8	24·9	31·7	
8·6	27·9	55·8	9·0
7·2	28·9	6·6	6·5 GSg
10·0	29·4	43·9	
9·8	30·4	44·1	
8·8	31·4	34·3	
10·0	32·4	33·3	
10·2	32·9	28·4	
10·2	37·4	3·8	
10·2	37·9	12·8	
8·2	39·4	45·7	
10·0	40·9	9·0	
9·6	42·9	23·6	
10·2	46·9	26·7	
10·2	59·0	46·7	
9·8	10 0·9	52·0	
10·2	1·4	11·0	
10·0	2·4	50·3	
10·2	2·4	31·1	
10·2	6·4	53·1	
9·8	9·4	36·9	
7·7	12·4	18·5	G
8·8	12·9	40·4	
9·8	12·9	21·3	
25pr.	+ 0 56·6	— 4·5	

2101—2160.

mag.	8h. m s	—35° ′	
9·4	10 13·9	9·9	
10·2	15·4	41·7	
10·2	18·9	33·4	
8·8	20·9	56·9	
8·8	33·4	21·2	
10·2	33·4	41·5	
9·8	36·9	36·8	
9·6	39·9	42·3	
10·2	40·0	37·8	
9·0	40·4	11·2	
10·2	41·0	26·9	
8·2	44·9	50·6	9·0
8·4	49·4	32·6	9·0
10·2	50·9	33·0	
10·2	57·9	17·0	
10·2	11 0·4	49·9	
8·4	3·9	14·8	G
10·2	4·2	39·9	
9·8	4·4	23·7	
9·6	9·4	54·5	
9·4	9·4	28·5	
10·2	11·4	41·0	
9·8	13·4	47·2	
7·5	14·9	31·1	6·5 G—
9·8	17·9	28·9	
8·7	19·4	42·2	
9·6	21·9	30·5	
10·2	24·9	53·9	
10·0	24·9	6·0	
8·1	29·2	29·9	7·5 G=
10·2	29·4	18·3	
9·8	30·9	38·9	
10·0	31·9	29·3	
10·0	35·9	17·7	
10·2	40·2	38·0	
8·8	40·4	21·2	9·5
9·6	40·4	2·1	
7·2	41·9	49·1	=
8·4	45·9	20·7	9·5
9·4	47·9	15·8	
8·8	50·9	17·8	
10·0	53·9	17·9	
10·2	58·9	1·8	
9·6	12 0·4	10·3	
10·2	3·4	53·8	
10·0	3·9	52·0	
8·8	7·9	58·3	
10·0	10·2	1·2	
9·8	10·7	58·6	
10·2	13·4	17·3	
10·2	13·7	4·6	
10·2	15·4	41·7	
8·5	27·7	31·9	
9·8	29·2	14·1	
8·4	29·4	6·7	8·8
9·8	30·2	22·6	
10·2	34·4	27·1	
10·2	35·9	50·7	
10·2	37·8	40·4	
9·4	39·1	35·1	
	+ 0 56·8	— 4·5	

2161—2220.

mag.	8h. m s	—35° ′	
10·2	12 39·4	56·2	
10·0	39·4	0·3	
8·8	39·9	6·0	9·2
10·8	43·5	49·4	
10·8	43·5	46·0	
10·7	45·9	27·7	
10·4	46·4	48·9	
10·8	50·1	8·8	
10·0	51·7	33·5	
10·6	51·7	9·6	
9·6	53·4	13·7	
10·8	55·0	24·7	
10·8	56·1	53·8	
9·6	13 0·7	15·2	
10·7	0·7	5·1	
7·5	1·7	40·7	=
10·2	4·5	39·7	
10·8	6·5	13·7	
10·7	8·5	26·9	
10·8	10·5	58·4	
10·8	12·5	48·3	
10·8	16·0	54·5	
10·0	20·5	45·2	
9·8	20·5	37·7	
10·4	22·5	56·1	
10·6	24·5	52·8	
9·3	30·5	5·1	9·0
7·2	31·0	3·7	6·2 GScg
10·4	34·0	32·5	
10·2	36·0	34·5	
10·6	36·0	31·9	
10·2	38·5	41·9	
9·2	41·1	57·0	
10·0	44·6	56·7	
7·9	45·5	7·7	8·5
10·4	45·5	21·5	
10·8	45·6	27·5	
10·8	47·0	27·1	
9·4	53·5	54·5	
9·0	54·5	6·6	9·2
10·7	59·0	16·6	
10·4	14 0·3	58·9	
10·6	1·0	34·7	
10·8	1·0	30·7	
10·4	3·5	25·6	
10·0	6·0	49·2	
10·8	8·0	20·2	
10·4	9·0	16·1	
9·4	10·5	44·4	
10·0	11·5	49·4	
10·8	17·0	43·9	
8·8	20·5	45·3	9·5
10·7	21·0	3·2	
10·7	27·0	42·5	
10·8	28·5	26·1	
8·9	30·0	31·0	
10·8	31·5	48·2	
10·7	33·5	44·8	
10·0	43·0	13·6	
9·4	45·0	42·2	
	+ 0 56·9	— 4·6	

2221—2280.

mag.	8h. m s	—35° ′	
10·4	14 50·5	33·0	
10·6	51·5	6·8	
10·0	56·0	10·0	
10·0	57·5	48·4	
10·0	15 0·0	56·7	
10·8	1·0	49·9	
10·7	9·5	27·8	
10·2	19·5	9·3	
10·8	19·5	3·2	
10·4	20·5	55·2	
10·8	20·6	45·3	
10·4	21·0	53·3	
10·6	25·4	1·3	
9·6	33·0	16·1	
10·2	36·0	49·4	
9·2	36·5	11·2	
10·4	40·5	42·3	
10·0	43·0	5·3	
10·8	46·5	53·1	
9·6	49·0	44·3	
10·8	50·5	53·7	
10·8	51·0	56·0	
9·6	53·5	43·6	
10·7	54·0	41·8	
10·0	56·0	42·1	
10·8	57·5	51·9	
10·4	58·5	49·5	
10·0	16 3·0	54·3	
10·8	3·5	44·0	
10·7	7·0	17·4	
9·8	9·0	28·6	
10·2	9·5	49·2	
9·2	13·0	23·4	9·0
10·7	14·7	2·5	
10·8	16·5	53·6	
9·8	18·5	29·9	
10·8	19·5	37·8	
10·4	30·3	59·9	
10·8	32·5	14·9	
10·6	36·0	4·5	
10·8	38·5	21·3	
10·6	39·5	50·3	
10·8	41·0	53·0	
9·0	50·5	34·5	9·0
9·2	52·0	24·9	
10·2	54·0	22·5	
10·4	54·5	13·7	
9·0	17 3·5	41·1	
10·8	6·0	29·8	
10·6	8·0	20·9	
9·2	10·5	55·7	
10·0	14·9	56·0	
9·8	16·0	13·7	
9·4	18·0	59·4	
10·2	18·3	58·1	
10·7	19·5	19·8	
9·4	20·5	6·5	
9·4	21·8	59·6	
10·8	22·5	13·0	
10·4	22·5	34·5	
	+ 0 57·1	— 4·7	

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2281—2340.

mag.	8h. m s	—35° ′	
10·2	17 26·0	35·2	
10·8	26·0	3·0	
10·8	31·5	13·2	
10·7	33·0	57·0	
10·2	36·0	40·1	
10·4	36·5	27·2	
9·8	39·0	37·0	
10·0	41·5	36·1	
10·0	45·3	57·6	
10·2	46·0	46·5	
10·8	47·5	50·2	
10·6	48·4	0·8	
10·0	50·5	31·4	
10·8	50·5	40·1	
10·4	50·5	57·0	
9·8	50·5	51·7	
10·6	50·5	21·0	
10·8	53·0	15·1	
10·0	54·5	46·9	
10·6	18 0·5	10·8	
10·8	1·5	42·8	
10·7	3·0	6·0	
10·6	5·5	10·8	
10·8	8·0	42·7	
9·2	8·8	23·9	9·0 —
10·7	8·8	53·3	
10·7	9·3	52·5	
10·8	10·3	35·2	
10·8	10·8	52·0	
10·2	11·8	13·6	
10·8	12·7	0·8	
9·8	12·8	47·6	
10·7	18·8	22·0	
10·8	20·3	9·6	
10·0	20·3	46·6	
10·6	20·3	22·5	
10·8	21·3	42·9	
10·6	22·8	51·5	
10·8	25·3	39·1	
9·3	30·1	58·5	
10·7	30·3	30·0	
10·0	31·8	55·6	
10·8	34·8	12·9	
9·8	34·8	53·2	
10·0	36·1	58·0	
10·8	39·8	58·9	
10·4	40·3	11·2	
10·8	40·3	43·0	
10·8	42·3	14·3	
10·0	44·6	59·2	
10·4	47·3	53·3	
10·8	49·8	1·0	
10·8	54·3	53·3	
10·7	19 1·3	40·9	
10·7	3·6	28·3	
10·8	4·3	6·6	
9·3	6·3	38·4	9·5
10·8	15·3	39·1	
10·6	16·3	24·6	
10·8	18·3	45·9	
25pr.	+0 57·2	−4·7	

2341—2400.

mag.	8h. m s	—35° ′	
10·8	19 20·3	16·0	
10·4	20·8	33·1	
7·7	21·3	6·4	8·0 G—
10·0	25·3	5·7	
10·0	25·8	30·3	
9·6	27·8	26·0	
10·8	29·3	12·0	
10·8	30·3	17·1	
9·8	30·3	17·9	
10·7	38·3	0·9	
10·2	43·8	18·7	
10·7	43·8	34·8	
10·8	46·3	52·1	
9·4	50·3	13·0	
10·2	50·8	36·3	
10·7	54·8	52·7	
10·2	56·8	49·0	
10·4	20 2·8	59·2	
10·2	2·8	31·2	
9·0	5·3	12·1	9·0 —
10·0	11·3	33·9	
10·4	12·3	41·6	
9·8	12·3	13·0	
10·8	16·3	38·1	
10·8	17·8	38·6	
10·8	18·8	49·7	
10·0	19·3	51·6	
10·4	19·8	10·9	
10·8	20·1	18·2	
10·7	20·1	58·5	
10·8	20·3	18·0	
9·8	21·4	59·4	
10·6	25·3	52·1	
10·8	29·8	15·8	
10·6	30·3	0·3	
9·4	30·3	38·4	
10·6	33·8	28·6	
9·8	38·3	23·2	
10·0	42·6	57·9	
10·0	42·8	27·1	
10·4	43·3	31·4	
9·0	45·3	17·2	9·0 —
10·4	46·6	57·1	
10·0	47·8	48·9	
10·2	49·8	44·1	
10·2	50·3	32·2	
9·4	50·8	46·4	
10·8	50·8	28·5	
10·8	51·3	1·8	
10·0	52·8	11·3	
10·7	21 0·3	50·1	
10·8	0·3	34·4	
10·8	0·8	10·2	
9·6	2·3	44·2	9·5
10·8	2·3	4·0	
10·0	2·8	48·1	
10·8	4·8	7·1	
10·4	6·1	1·2	
9·3	9·3	51·1	
10·8	10·3	21·4	
	+0 57·3	−4·8	

2401—2460.

mag.	8h. m s	—35° ′	
10·4	21 12·8	2·1	
10·4	19·3	3·6	
10·2	21·3	23·9	
10·4	22·3	27·4	
10·8	28·3	41·3	
10·2	29·4	56·9	
9·6	30·3	16·8	
10·8	31·3	5·1	
10·0	33·8	46·1	
10·7	34·8	49·0	
10·0	35·8	39·0	
10·7	41·8	20·2	
10·6	44·3	4·5	
9·8	45·6	59·0	
10·4	48·3	5·1	
10·8	48·3	23·1	
9·0	48·8	50·6	
9·8	50·3	8·6	9·5
10·6	50·3	1·2	
9·8	50·8	35·1	
10·8	53·3	53·7	
9·4	53·3	6·6	9·8
9·2	54·3	6·4	8·8
9·8	54·3	55·1	
9·6	55·1	57·1	
10·4	55·3	22·0	
10·6	58·3	42·0	
10·4	59·8	27·2	
10·2	22 3·3	43·2	
10·7	10·3	4·0	
10·4	11·3	34·4	
10·2	20·3	22·1	
10·7	27·8	51·2	
10·4	30·3	41·0	
10·6	43·3	12·0	
10·0	49·3	24·3	
9·2	51·6	59·1	9·5
9·6	52·3	3·2	
9·3	23 3·3	50·0	
9·8	4·3	46·3	
10·8	10·3	41·5	
10·0	10·8	18·7	
10·4	12·3	47·0	
10·7	12·8	0·8	
9·4	12·8	1·3	9·0
10·2	12·8	47·5	
10·8	16·3	19·0	
9·6	19·3	48·8	
10·0	20·3	37·2	
10·4	21·3	22·1	
10·7	24·3	56·0	
10·2	26·8	40·3	
9·4	30·8	53·1	
10·2	33·3	19·9	
9·6	36·8	26·4	
9·8	37·3	3·6	
9·4	37·3	8·6	9·5
10·8	39·8	59·3	
10·2	42·3	22·3	
10·0	43·8	20·5	
	+0 57·4	−4·9	

2461—2520.

mag.	8h. m s	—35° ′	
9·8	23 44·8	50·0	
10·6	44·8	29·8	
9·6	49·3	32·8	
10·8	49·8	26·2	
10·2	50·3	29·3	
10·4	50·8	6·9	
9·8	51·8	18·2	
10·0	53·3	58·2	
10·0	54·3	41·4	
10·0	56·8	28·0	
9·2	24 0·3	34·3	
10·7	0·3	48·7	
10·0	3·3	13·0	
10·6	14·3	4·8	
10·7	24·1	48·2	
10·0	26·3	30·6	
9·6	28·8	55·0	
10·0	28·8	45·6	
10·7	32·3	47·3	
9·8	33·8	10·1	
9·8	36·6	58·1	10·0
9·8	37·3	3·5	
10·8	38·5	57·1	
10·0	38·8	58·1	
10·0	40·3	36·3	
10·8	44·8	34·8	
10·0	44·8	9·2	
10·8	48·3	39·6	
10·0	49·3	34·9	
10·6	50·3	34·3	
10·8	50·8	29·6	
10·8	50·8	28·4	
10·8	50·8	35·5	
10·6	53·3	42·0	
10·0	54·8	53·8	
9·8	54·8	25·6	
9·8	25 0·3	32·7	
10·8	4·8	17·4	
10·4	6·3	56·3	
8·4	8·8	7·3	8·5 G—
10·7	11·3	28·8	
10·8	13·3	57·9	
10·4	15·8	9·7	
9·2	16·3	25·9	9·5
10·6	17·8	57·0	
10·0	20·3	49·3	
10·8	21·3	23·4	
9·3	22·8	21·9	9·0 —
10·7	30·3	45·4	
10·8	31·1	57·4	
10·0	31·3	13·9	
10·0	33·8	32·7	
10·4	36·8	36·2	
10·6	36·8	40·6	
10·2	40·3	16·5	
10·4	40·3	41·3	
10·8	42·3	40·2	
10·4	45·3	31·0	
9·8	45·8	9·0	
10·6	48·3	26·5	
	+0 57·6	−4·9	

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2521—2580.

mag.	8h. m	s	−35° ′	
10·8	25	55·8	54·1	
10·8		58·8	11·3	
10·4		59·8	8·2	
10·0	26	1·8	50·6	
9·8		2·1	13·5	
10·4		4·3	24·6	
10·8		8·8	29·2	
9·8		9·8	14·0	
10·6		10·3	51·1	
10·8		11·3	27·9	
10·8		12·3	1·0	
10·2		14·3	40·4	
10·6		18·3	21·3	
9·6		20·3	6·3	
10·6		20·3	48·1	
10·0		23·3	39·2	
10·8		30·3	56·3	
10·8		30·3	35·3	
10·0		30·3	29·3	
9·8		30·8	0·7	
9·8		30·9	39·6	
10·4		35·9	54·2	
10·0		35·9	14·1	
9·2		36·4	46·8	9·5 –
9·8		39·9	2·0	
10·8		40·7	30·3	
10·4		40·9	18·1	
10·8		46·9	48·3	
9·8		48·4	44·5	
10·4		49·4	5·3	
10·0		50·4	40·2	
10·0		54·4	18·2	
10·7		59·9	29·7	
10·0		59·9	31·1	
10·6	27	0·9	0·3	
10·8		1·4	4·9	
10·0		2·4	31·2	
10·8		4·7	14·3	
10·4		4·9	55·3	
10·4		5·5	57·1	
10·8		7·9	51·1	
10·6		8·9	6·1	
10·4		13·4	19·3	
10·0		13·9	52·9	
10·8		15·9	56·4	
9·8		18·4	10·0	
9·8		20·4	27·2	
9·2		20·4	41·0	
10·7		20·6	59·7	
10·7		20·9	16·3	
10·4		21·4	37·3	
10·6		23·7	51·1	
10·0		23·9	31·1	
9·2		26·9	18·2	9·5
10·4		29·9	10·1	
10·4		30·4	10·2	
10·8		30·9	25·9	
9·8		31·9	32·4	
10·8		39·9	11·2	
9·4		46·4	55·3	
25pr.	+0	57·7	−5·0	

2581—2640.

mag.	8h. m	s	−35° ′	
10·6	27	50·9	15·2	
10·6		57·9	49·0	
10·2		59·4	42·8	
9·6		59·9	48·1	
10·7		59·9	11·4	
10·8	28	5·9	43·6	
10·8		15·9	39·7	
9·8		15·9	47·2	
10·6		17·9	7·0	
9·8		18·4	19·8	
9·8		18·9	4·8	
10·0		22·4	57·6	
10·8		23·5	58·7	
10·0		23·9	36·3	
10·0		25·9	52·3	
9·3		26·9	17·0	10·0
10·4		27·9	25·0	
9·8		28·4	24·0	
10·8		38·4	42·2	
9·8		39·9	17·0	
10·0		45·4	18·1	
10·2		48·4	49·1	
10·0		49·9	57·3	
10·6		51·5	59·1	
10·8		58·4	17·4	
10·4		58·9	26·3	
9·3		59·9	54·4	
10·7	29	0·9	53·3	
10·4		0·9	52·5	
10·0		0·9	14·8	
10·2		1·9	4·3	
9·8		2·9	49·0	
10·0		3·4	55·7	
10·0		3·4	56·4	
10·8		5·4	14·2	
9·2		7·9	13·4	9·5
10·0		19·9	10·5	10·0
10·8		20·9	10·0	
10·8		24·9	43·0	
10·0		26·8	57·0	
10·8		29·9	24·2	
9·8		30·4	17·3	
10·7		30·9	49·6	
9·8		32·4	38·6	
9·6		33·9	37·1	
10·4		35·4	47·6	
10·6		38·4	44·0	
10·7		38·4	37·1	
10·8		39·4	24·1	
9·8		39·9	12·5	
10·8		47·9	53·0	
10·8		49·9	49·9	
9·8		49·9	24·9	
10·8		54·4	55·4	
10·4	30	0·4	11·9	
10·8		1·9	9·7	
10·8		2·4	11·3	
10·0		4·4	42·1	
10·6		5·9	49·3	
10·6		5·9	20·7	
	+0	57·8	−5·1	

2641—2700.

mag.	8h. m	s	−35° ′	
10·7	30	6·9	3·8	G
9·8		8·9	11·2	9·5
9·8		14·4	3·7	
10·6		14·9	16·9	
10·8		15·9	35·9	
9·8		15·9	37·0	
9·8		17·4	33·9	
10·0		19·9	53·3	
10·8		19·9	35·0	
9·8		27·9	34·7	
10·0		30·9	38·1	
10·8		31·9	58·2	
10·8		32·0	44·2	
10·4		32·4	57·7	
9·6		32·9	27·0	
10·8		38·9	55·9	
10·8		38·9	46·1	
10·0		39·9	23·8	
10·6		41·4	46·1	
9·8		41·9	3·0	
10·0		49·4	20·6	
10·2		51·4	49·9	
10·4		51·9	27·9	
10·6		51·9	25·9	
10·8		53·4	5·9	
9·8		54·9	24·3	
10·7		59·4	1·3	
10·7	31	5·9	56·1	
10·6		9·9	0·2	
10·7		9·9	46·0	
10·8		11·9	35·0	
9·8		13·3	58·1	
10·8		15·9	53·5	
10·6		17·4	35·0	
10·0		18·9	28·1	
8·4		21·4	49·9	8·5 –
10·0		21·9	38·7	
10·2		23·4	38·6	
10·6		23·9	24·9	
10·6		28·9	6·8	
9·8		30·4	15·5	
10·4		31·9	30·2	
10·8		34·9	45·0	
10·6		35·4	11·9	
9·3		39·9	50·8	9·5
10·2		40·4	10·1	
10·4		43·9	56·9	
10·7		45·4	8·5	
10·2		46·4	11·9	
10·7		49·9	5·9	
9·8		52·4	3·4	
10·2		54·9	37·2	
9·8		59·4	26·2	
10·6		59·9	49·9	
9·8	32	5·4	34·0	
10·6		10·9	27·9	
10·4		13·9	42·7	
10·8		19·9	13·4	
9·8		19·9	3·1	
10·8		20·9	13·0	
	+0	58·0	−5·1	

2701—2760.

mag.	8h. m	s	−35° ′	
10·0	32	25·4	19·2	
9·8		29·9	20·0	
9·2		30·9	8·4	
8·8		32·9	42·0	8·0 G=
10·0		33·9	43·2	
9·8		33·9	22·7	
9·8		34·9	3·2	
10·2		36·4	38·1	
10·8		36·8	32·2	
10·4		37·9	9·1	
9·8		38·9	9·6	
9·8		39·4	16·9	
10·6		39·4	23·6	
10·8		41·9	36·9	
10·6		43·9	3·7	
9·3		43·9	20·9	
10·0		44·9	7·3	
10·0		48·9	57·0	
10·7		48·9	48·4	
10·8		51·9	23·7	
10·4		52·9	34·3	
10·2		55·4	6·6	
10·4		59·9	21·9	
9·8	33	7·4	37·0	
10·8		9·8	59·1	
9·8		9·9	23·3	
10·7		9·9	15·6	
9·8		9·9	9·6	
9·2		13·9	7·5	
10·7		18·9	49·4	
9·8		27·9	50·0	9·5
9·8		28·4	43·9	
10·6		29·2	0·7	
10·4		30·9	38·0	
9·2		32·4	45·1	9·0
9·2		32·4	5·2	
10·7		34·9	52·3	
8·6		36·4	23·0	9·0
10·4		39·4	34·8	
9·8		39·9	55·2	
10·6		42·4	34·1	
10·4		43·9	26·1	
10·0		45·9	16·8	
10·8		45·9	51·0	
10·8		47·9	30·0	
10·4		49·9	25·1	
9·8		49·9	16·0	
9·6		53·9	55·5	
10·6		57·4	10·3	
10·7		58·9	20·4	
10·2		58·9	41·6	
10·6		58·9	33·8	
10·8	34	2·4	7·3	
10·4		9·4	35·1	
10·8		9·4	26·8	
10·8		9·9	16·9	
10·4		11·9	16·1	
10·6		12·4	32·1	
10·8		17·9	32·9	
10·8		22·4	38·5	
	+0	58·1	−5·2	

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2761—2820.

mag.	8h. m	s	—35° ′	
9.8	34	29.9	34.7	
10.8		38.4	33.0	
10.4		39.9	34.6	
9.6		41.9	34.3	
10.0		49.9	54.8	
10.6		53.9	4.2	
9.4		57.9	53.2	
9.8		58.9	30.4	
10.4		59.5	1.9	
10.8	35	0.4	9.1	
10.7		1.9	53.7	
10.0		9.9	31.8	
9.6		9.9	43.7	
10.8		9.9	44.5	
10.7		9.9	52.0	
10.8		9.9	44.9	
10.0		9.9	31.8	
10.0		10.9	35.4	
9.8		15.9	21.5	
10.4		18.4	34.1	
9.8		30.9	14.0	
10.8		31.4	26.1	
9.8		33.9	31.3	
10.8		39.9	30.1	
10.0		41.9	5.9	
10.4		45.9	50.6	
10.2		48.0	23.7	
10.2		48.5	27.7	
10.8		49.0	9.8	
8.4		49.5	37.5	9.0 =
10.4		49.5	6.5	
10.8		51.5	36.5	
10.4		52.5	23.1	
10.0		54.0	55.3	
10.8		56.0	48.0	
10.2		57.0	55.9	
9.3		59.5	12.6	
10.8	36	1.5	51.3	
10.4		2.5	44.7	
10.0		4.5	11.2	
10.6		6.5	38.8	
10.4		7.0	16.9	
9.8		8.5	42.5	
10.8		10.5	34.3	
10.2		19.5	35.9	
10.8		20.5	32.9	
8.4		22.5	51.9	–
10.2		23.5	17.9	
10.4		27.5	25.9	
10.2		28.5	21.0	
10.0		29.5	7.2	
10.7		29.5	39.5	
8.0		30.5	30.6	8.5 ≡
10.2		31.5	13.7	
10.7		40.5	13.8	
10.7		41.5	32.2	
10.4		44.5	19.0	
10.6		53.5	50.9	
10.0		54.5	22.7	
10.2		54.5	49.5	
25pr.	+0	58.3	−5.3	

2821—2880.

mag.	8h. m	s	—35° ′	
9.3	36	56.5	18.0	
9.3		59.5	5.0	
9.3	37	5.5	16.4	
10.8		8.5	11.2	
10.2		14.0	43.8	
9.8		16.5	5.9	
9.3		18.0	33.2	
10.0		20.0	36.8	
9.6		20.5	23.0	
10.8		22.5	28.6	
10.8		25.0	0.9	
9.8		25.0	18.9	10.0
10.8		26.5	10.2	
10.6		28.0	48.1	
10.2		29.5	35.0	
10.2		30.0	35.5	
9.8		31.0	51.1	
9.8		34.4	47.9	
9.8		39.5	56.1	9.5
10.7		41.5	13.2	
9.6		46.5	52.1	
10.4		48.4	59.1	
10.6		50.5	34.8	
10.0		51.6	4.4	
9.2		54.9	49.9	9.5
10.2		56.2	52.0	
7.3	38	5.2	29.7	GS≥g
10.4		5.5	41.3	
10.2		7.5	32.5	
10.8		8.5	6.1	
10.4		9.0	44.5	
10.7		9.5	27.1	
9.4		13.2	18.8	
9.8		25.0	49.3	
10.6		26.5	39.2	
10.8		29.6	0.1	
10.2		34.9	27.2	
10.2		41.2	19.5	
10.6		41.8	1.8	
10.8		43.3	50.7	
10.2		44.2	16.5	
9.6		47.8	46.8	
10.0		48.4	22.8	
9.6		48.7	11.7	
10.2		49.9	24.0	
10.0		50.9	4.8	
10.2		59.4	42.1	
10.0		59.4	33.0	
9.6	39	9.9	46.0	
10.2		16.4	19.6	
9.4		16.9	57.5	
10.0		18.6	1.5	
10.2		19.9	8.6	
9.6		28.4	19.8	
8.8		38.4	37.0	9.5
10.0		43.9	20.8	
8.2		48.9	43.0	8.5 =
10.2		54.8	8.4	
9.6		54.9	50.2	
9.2		55.3	15.5	
	+0	58.5	−5.3	

2881—2940.

mag.	8h. m	s	—35° ′	
10.2	39	58.3	8.3	
10.2	40	5.3	4.0	
9.6		6.8	32.6	9.5
10.2		20.2	1.0	
9.4		30.3	9.9	
10.2		39.3	41.2	
10.2		39.9	41.9	
10.0		42.5	1.1	
10.2		44.3	47.4	
9.6		46.3	47.8	
9.8		53.8	8.8	
10.0		54.8	40.2	
10.2		54.8	33.9	
10.2		57.8	38.3	
10.2	41	6.3	56.6	
9.0		11.8	30.9	9.5 –
10.2		20.8	5.9	
9.4		29.3	56.6	9.0
10.2		30.3	14.8	
10.2		33.8	7.0	
9.4		35.3	58.8	
10.2		40.3	24.9	
8.8		43.3	7.8	8.7 –
10.2		43.8	43.7	
10.0		53.8	39.6	
9.8		59.8	13.0	
9.6	42	13.3	12.2	
10.0		14.6	57.9	
10.0		18.8	52.5	
10.2		25.3	2.1	
9.4		27.8	53.1	
10.0		29.3	37.5	
10.2		29.8	38.7	
9.8		38.3	50.2	
9.4		59.3	43.8	
10.2		59.8	26.1	
8.8	43	1.8	15.9	9.0 –
9.0		7.3	20.4	
10.0		8.6	2.3	
10.2		8.8	13.9	
9.0		15.8	57.1	9.2 –
10.2		20.3	3.8	
10.0		36.3	31.1	
10.0		37.3	56.8	
10.0		47.3	28.7	
9.6		49.3	40.8	
9.6		59.8	45.7	
8.8		59.8	25.5	9.0 =
10.2	44	28.8	6.6	
9.6		30.8	57.9	
9.4		37.8	23.5	9.5 –
9.8		38.3	32.7	
10.2		44.3	29.6	
9.6		45.3	51.1	
10.2		46.3	31.8	
10.2		52.3	50.7	
10.2		53.3	50.8	
10.2		58.8	6.0	
10.0		59.8	15.9	
10.2	45	2.8	8.7	
	+0	58.7	−5.4	

2941—3000.

mag.	8h. m	s	—35° ′	
10.0	45	3.3	48.1	
9.6		5.8	13.4	
9.8		7.8	6.1	
10.0		10.3	15.5	
9.6		12.8	28.9	9.5 G
9.8		14.9	59.6	
7.6		29.3	27.7	8.0 GW≥
10.2		29.3	47.7	
10.2		32.3	49.1	
10.2		35.3	52.6	
10.2		37.8	18.3	
10.2		41.8	7.6	
10.2		49.8	3.7	
10.2		53.3	40.8	
10.2		55.8	24.2	
10.2		59.8	42.8	
9.4		59.8	32.7	
10.0	46	1.8	51.9	
10.2		2.3	26.7	
9.6		4.3	47.3	
10.2		9.8	18.4	
10.2		12.1	2.1	
10.2		12.8	22.7	
9.4		19.8	20.4	
9.2		20.8	45.2	
9.4		21.8	58.9	9.0
9.6		37.3	57.6	
9.4		38.3	35.9	9.5
9.4		46.3	55.4	
9.8		50.3	8.0	
10.2		54.8	24.1	
10.2		57.8	20.3	
10.2		57.8	11.0	
10.2		59.8	0.4	
10.2	47	8.3	58.9	
9.0		10.8	6.4	9.0
9.4		12.8	15.0	
9.6		31.8	3.9	
9.4		42.8	36.9	
10.2		48.3	5.2	
9.6		52.3	55.9	
9.6	48	11.8	32.8	
10.0		12.8	56.4	
9.6		12.8	40.0	
9.3		19.8	11.7	9.5
9.3		20.3	0.5	8.5 –
10.2		25.3	25.6	
9.4		28.8	42.4	
9.4		30.8	47.4	
10.2		44.8	31.5	
8.4		48.8	32.7	≡
9.8		50.3	33.0	
10.2		51.8	47.0	
9.8		58.8	43.8	
9.4	49	2.1	1.0	8.8
7.8		4.3	10.7	7.8 –
9.6		9.3	39.9	
10.0		11.8	12.4	
9.4		15.8	44.1	
10.2		17.3	12.8	
	+0	59.0	−5.6	

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3001—3060.

mag.	8h. m	s	—35° ′	
8.8	49	23.8	15.1	
9.0		24.3	41.7	
10.2		29.8	23.5	
10.2		36.8	55.9	
9.6		40.3	56.8	
10.0		47.3	32.9	
8.8		47.8	32.1	9.0
8.8		48.8	1.8	8.0 W−
8.1		56.8	34.7	≡
9.8		58.3	44.8	
10.2		59.3	1.0	
10.2		59.8	14.6	
9.4	50	4.8	23.5	
9.6		5.3	32.1	
9.4		5.8	19.7	
9.2		7.3	44.9	
10.2		8.8	48.2	
10.2		11.8	21.4	
10.0		14.3	15.9	
10.2		19.8	41.5	
9.2		20.4	57.7	9.0
10.2		29.3	7.8	
10.2		29.8	48.5	
10.2		33.7	49.3	
10.2		36.8	48.1	
10.2		39.8	44.8	
10.2		43.8	12.1	
10.0		51.3	23.8	
9.6		57.8	22.7	
9.4	51	0.8	13.9	
9.4		4.8	33.6	
9.4		5.3	16.0	
10.0		12.3	1.1	
10.2		16.3	34.8	
10.2		17.8	49.9	
10.0		19.8	41.0	
10.2		19.8	19.6	
10.2		26.8	25.1	
9.6		29.8	55.8	
10.2		34.8	13.1	
9.4		40.3	28.2	
10.0		51.8	32.3	
10.2		53.8	26.9	
9.6		58.3	2.8	
10.0	52	0.8	0.0	
10.2		4.8	13.9	
10.2		10.8	11.0	
9.8		16.3	43.8	
10.2		19.8	13.5	
9.8		20.8	29.4	
10.2		33.3	31.1	
10.2		38.8	8.1	
9.4		39.3	33.1	
10.0		43.8	50.4	
9.6		45.3	50.4	
8.8		50.8	30.7	9.0 ≡
10.2		55.3	28.2	
9.0		55.3	25.6	10.0
10.2		59.8	14.0	
10.0	53	0.3	6.0	
25pr.	+0	59.3	−5.7	

3061—3120.

mag.	8h. m	s	—35° ′	
9.4	53	0.8	3.0	
9.6		3.3	49.2	
10.2		5.3	50.3	
9.6		8.8	9.9	
10.0		9.8	44.8	
9.4		19.3	36.9	
10.0		23.8	5.8	
10.0		24.3	57.8	
10.2		30.8	32.5	
10.2		32.8	55.2	
10.2		36.3	24.6	
10.2		36.8	17.6	
10.2		41.8	29.1	
10.0		51.8	29.1	
8.5		54.3	8.3	8.8
10.2		57.3	18.3	
9.4		58.3	34.2	
10.0		59.8	52.3	
10.2	54	28.3	1.6	
8.5		33.8	53.8	8.8 ≡
10.0		38.8	31.0	
10.2		38.8	13.1	
9.6		39.8	3.5	
9.3		45.3	54.0	10.0
10.2		49.3	31.1	
10.0		49.8	52.1	
10.2		51.4	1.2	
9.6		54.3	43.8	
10.0		56.3	22.5	
9.8	55	3.8	16.1	
10.0		4.8	45.9	
9.8		5.8	30.0	
10.2		22.3	17.5	
9.6		33.8	7.1	
9.0		37.3	36.6	9.5
9.6		38.3	17.8	
10.2	56	11.3	51.0	
10.2		14.3	33.7	
10.2		14.8	6.6	
10.0		19.3	26.3	
10.0		34.8	49.8	
10.2		36.8	19.7	
9.0		36.8	34.8	9.5
8.8		47.8	8.8	8.0
10.2		48.8	22.2	
10.2		49.3	21.2	
9.6		52.3	19.6	
9.8		59.3	31.1	
7.8	57	1.8	11.8	8.0 W−
9.8		5.3	8.9	
10.2		16.8	21.0	
10.2		21.3	44.1	
10.2		22.3	28.5	
9.4		29.8	32.7	
9.6		30.3	48.3	
9.6		32.3	49.9	
10.2		32.8	47.2	
8.8		40.8	24.4	9.5
9.6		41.8	7.7	
8.8		42.8	23.4	9.5
	+0	59.6	−5.8	

3121—3180.

mag.	8h.–9h. m	s	—35° ′	
9.8	57	45.8	12.5	
10.0		48.3	13.6	
10.2		53.8	20.2	
9.4		53.8	39.9	
9.3		57.3	45.8	
9.8		58.3	25.7	
9.4		58.8	52.8	
10.2	58	1.8	29.0	
9.1		5.3	7.0	
9.4		8.3	41.1	
9.8		9.3	19.1	
9.6		11.8	42.1	
9.6		13.3	43.0	
9.4		18.8	27.0	
8.8		22.8	53.4	
9.4		40.3	35.5	
10.2		44.3	3.0	
9.4		51.8	50.9	
10.2		54.8	29.6	
9.6		55.3	44.5	
10.2		55.8	30.1	
10.2	59	9.3	41.6	
10.2		10.3	12.7	
10.0		10.3	52.7	
10.2		18.3	42.9	
10.2		20.3	51.2	
10.2		21.8	50.1	
10.2		31.3	45.2	
9.6		31.8	45.6	
10.0		37.8	18.9	
9.4		38.8	34.4	
9.6		42.8	15.3	
10.0		44.8	32.2	
9.8		49.3	27.5	
9.4		51.3	43.7	
10.0		53.3	35.2	
10.2		58.3	18.1	
9.8	0	0.8	11.3	
10.0		1.3	32.7	
10.2		3.1	44.7	
10.2		9.8	52.6	
9.4		9.8	27.5	
10.2		11.3	36.8	
9.6		15.3	50.7	
10.0		17.8	28.0	
10.2		25.3	49.1	
8.6		40.8	43.4	9.0 −
9.8		45.8	30.9	
8.5		57.8	35.7	7.0 G≥
9.8	1	0.3	25.0	
10.2		1.3	30.9	
9.8		1.8	17.8	
9.4		3.8	30.8	9.5
10.2		7.8	49.9	
9.4		11.3	55.8	
10.0		34.8	14.6	
10.2		38.0	59.4	
9.6		43.3	19.8	
9.4		50.8	31.8	
10.2		53.8	33.9	
	+1	0.0	−5.9	

3181—3240.

mag.	9h. m	s	—35° ′	
10.0	1	54.8	26.4	
10.2		59.3	22.0	
10.2	2	2.3	50.3	
10.2		4.3	50.5	
10.0		4.3	15.0	
9.8		10.3	8.9	
8.6		12.3	51.1	8.5 =
9.4		15.3	51.0	9.5
10.2		29.6	20.9	
9.8		36.8	13.0	
9.6		38.3	52.5	10.0
10.0		40.0	26.9	
9.8		41.5	14.8	
10.0		45.3	42.0	
9.8		52.3	17.8	
10.2		57.1	46.6	
10.2		58.5	17.9	
10.2		59.9	59.9	
10.2	3	4.1	48.0	
10.2		13.1	10.5	
9.3		13.8	8.6	
9.8		17.5	47.5	
10.2		21.4	29.9	
10.2		21.8	56.0	
9.4		22.9	25.1	
9.6		23.3	45.4	
9.4		24.5	13.1	
9.0		29.5	45.8	9.5
9.0		34.5	12.8	−
9.5		36.5	37.5	
10.8		37.0	10.9	
9.6		44.7	19.6	
10.8		47.7	14.0	
9.2		49.2	4.2	
10.6		53.7	25.3	
10.4		55.7	43.2	
10.4		59.7	10.8	
8.7	4	5.7	25.1	−
10.8		9.7	8.1	
8.6		9.7	38.2	9.5 −
10.6		10.2	2.4	
10.8		10.2	12.8	
10.8		11.7	34.9	
9.0		11.7	36.1	
9.3		25.7	45.0	9.5
10.8		29.7	8.0	
10.6		37.2	45.5	
9.8		43.2	24.0	
10.8		45.2	39.5	
10.4		48.7	1.5	
10.8		49.3	59.0	
10.8		50.7	37.8	
10.8	5	4.7	45.4	
10.8		10.7	20.1	
9.7		12.2	41.1	
10.2		18.7	21.5	
9.0		20.7	24.4	9.0 −
10.6		24.2	55.7	
10.8		27.7	59.8	
10.8		29.7	34.0	
	+1	0.3	−6.0	

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3241—3300.

mag.	9h. m	s	−35° ′	
10.8	5	30.7	18.5	
8.7		33.2	29.5	9.0 –
9.4		35.7	29.9	9.0 =
10.0		39.2	54.1	
10.8		50.2	34.6	
8.4		50.7	34.2	9.0 =
10.8		53.2	29.3	
10.8		54.5	57.6	
9.8		56.0	58.7	
10.6		56.7	3.9	
8.2		59.7	35.7	8.5 =
9.8	6	0.3	59.0	
10.2		3.2	41.0	
10.8		3.7	44.0	
8.6		14.2	41.9	8.8 G–
10.8		19.5	58.0	
10.4		19.7	37.6	
7.8		22.2	14.2	8.0 G–
10.2		22.7	20.6	
10.8		34.2	45.9	
10.0		40.2	12.9	
9.3		41.7	30.5	
9.4		51.2	1.0	
9.6		51.7	36.1	
10.6		52.7	15.9	
9.6		53.2	22.4	
10.0		54.2	35.9	
10.0		54.7	17.3	
10.2		55.7	39.3	
10.2	7	0.2	26.0	
9.6		1.7	3.6	
9.2		23.7	41.4	9.0 –
8.4		28.2	10.2	8.2 G–
10.8		39.2	34.9	
10.6		39.7	25.5	
10.2		41.7	8.3	
10.0		44.2	3.2	
9.3		49.7	1.2	9.5
10.2		54.7	11.8	
10.2		59.9	42.0	
10.8	8	3.4	25.3	
10.6		3.9	24.4	
10.4		4.9	26.2	
9.0		8.4	21.8	9.0
10.4		9.9	3.1	
10.8		14.9	25.1	
10.8		16.9	9.1	
9.0		18.4	27.8	9.2 =
10.8		18.9	43.1	
10.4		25.4	24.0	
10.8		28.4	6.9	
10.8		30.1	0.7	
9.8		34.9	36.1	
10.8		40.9	40.6	
10.8		42.4	32.9	
10.0		46.4	53.2	
9.0		51.9	51.0	8.8 =
10.6		58.4	51.0	
10.8	9	9.9	59.9	
10.8		9.9	48.9	
25pr.	+1	0.5	−6.1	

3301—3360.

mag.	9h. m	s	−35° ′	
10.8	9	11.9	47.2	
10.6		13.9	10.8	
10.4		14.4	1.0	
10.0		22.4	49.6	
10.0		31.4	24.0	
10.8		34.9	8.6	
10.8		40.4	3.4	
9.0		40.9	34.9	
9.2		41.9	24.5	9.0
7.5		42.4	26.7	8.0 GS≥t
9.6		51.9	46.4	
10.8		54.9	47.6	
10.0	10	0.9	9.1	
10.4		9.9	55.6	
9.4		11.9	41.7	
10.8		11.9	56.3	
10.4		18.9	50.0	
10.2		18.9	44.4	
10.8		18.9	46.0	
10.2		24.4	35.3	10.0
10.2		30.3	2.0	
9.4		31.4	10.6	
10.8		34.9	51.3	
9.5		39.9	49.0	
9.7		41.9	47.1	
10.6		44.4	24.4	
9.2		44.9	54.5	
10.4		53.4	41.0	
10.4		59.9	22.7	
9.7	11	0.9	40.8	
10.2		8.9	36.0	
10.0		9.9	29.9	
10.8		19.4	31.5	
10.8		19.9	29.3	
9.8		20.9	22.9	
10.4		26.9	51.9	
10.2		28.4	41.7	
10.4		31.9	21.7	
10.8		35.4	36.1	
9.2		37.9	14.5	9.0
9.7		37.9	3.5	9.1
10.8		39.9	6.0	
10.8		41.4	4.9	
9.8		44.9	2.0	9.5
10.8		48.4	43.4	
10.6		57.4	34.5	
10.8	12	1.4	50.5	
10.8		1.9	34.1	
10.8		1.9	14.2	
10.0		2.4	47.9	
10.0		8.9	39.4	
10.2		15.9	18.7	
10.8		22.9	26.6	
10.8		23.9	40.0	
10.0		25.9	47.1	
9.8		28.9	31.2	
10.8		29.9	15.4	
9.0		29.9	51.0	≡
10.8		35.4	45.6	
10.4		38.4	33.0	
	+1	0.8	−6.2	

3361—3420.

mag.	9h. m	s	−35° ′	
10.8	12	38.9	10.7	
10.8		38.9	34.9	
8.7		40.9	10.0	7.8 GW–
9.8		41.9	45.4	
10.8		50.9	7.6	
10.2		53.4	9.7	
10.4		55.9	58.5	
10.8	13	7.4	16.3	
10.4		8.9	46.7	
9.6		10.9	32.0	
10.0		14.9	48.0	
10.8		18.9	15.5	
8.9		21.9	12.3	8.8 –
8.8		26.9	27.6	9.0 ≡
9.7		27.9	35.8	
10.8		35.9	25.1	
10.8		39.9	24.9	
10.8		39.9	39.0	
10.2		39.9	48.3	
10.6		41.9	19.3	
10.8		44.9	20.9	
10.0		55.9	40.3	
10.8	14	6.5	32.1	
10.4		11.0	9.6	
10.8		15.5	34.7	
10.0		21.0	19.9	
10.0		21.0	28.4	
10.8		22.0	41.2	
10.4		26.0	32.1	
9.4		30.0	14.1	
10.4		30.5	45.0	
10.0		32.0	10.5	
10.6		32.0	22.3	
9.8		34.0	41.0	
10.6		40.0	27.5	
10.0		40.0	42.0	
10.0		50.5	25.6	
10.8		54.1	58.2	
10.8	15	1.5	26.6	
10.2		5.5	39.4	
10.6		12.0	4.0	
10.4		14.0	49.1	
10.6		16.0	7.3	
10.8		19.0	49.0	
10.0		20.0	57.5	
9.0		22.0	22.3	
9.8		22.5	43.0	
9.8		27.5	46.0	
10.8		32.0	20.0	
9.0		34.5	15.0	
9.4		36.0	14.2	
9.4		38.0	24.2	
10.0		45.0	43.7	
10.0		50.0	37.3	
10.8		52.0	29.9	
9.8	16	6.0	40.0	
9.7		8.0	5.3	9.5
10.0		15.0	32.7	
10.8		15.5	10.5	
10.8		21.0	25.1	
	+1	1.1	−6.3	

3421—3480.

mag.	9h. m	s	−35° ′	
10.8	16	26.5	53.2	
10.6		27.5	6.0	
10.8		28.0	44.8	
10.8		29.0	31.4	
10.6		33.5	59.5	
10.8		35.0	19.6	
10.6		36.0	6.0	
10.8		39.9	39.4	
10.8		50.0	43.0	
10.6		55.5	43.1	
10.8	17	0.5	4.9	
10.0		8.0	52.5	
9.3		13.0	55.8	
10.2		15.0	6.9	
10.6		16.5	0.2	
10.8		17.9	9.0	
10.8		19.0	21.9	
9.8		19.5	17.2	
10.8		20.0	59.9	
9.8		21.0	15.4	
10.8		25.5	7.7	
10.4		29.6	58.1	
10.0		30.0	54.0	
10.8		30.9	5.6	
10.2		32.0	52.0	
10.8		44.0	57.2	
10.8		50.0	17.1	
9.2		51.0	32.2	
10.8		51.5	56.1	
10.8		54.0	38.3	
10.8		54.0	43.4	
10.8		56.9	0.1	
10.8		59.0	15.6	
10.0	18	8.0	15.4	
9.8		17.0	31.3	
9.4		31.0	29.5	
10.8		33.5	5.7	
9.0		36.5	16.1	
10.8		38.0	39.8	
10.6		40.0	28.8	
10.2		41.5	31.8	
10.8		45.0	55.2	
10.2		46.5	28.4	
10.8		47.5	41.3	
9.7		58.0	44.8	
10.8	19	2.5	16.0	
10.8		14.5	39.8	
9.8		20.0	58.5	
10.8		24.5	52.5	
10.0		29.5	28.6	
10.4		32.0	15.2	
10.4		39.0	20.6	
10.6		51.2	56.6	
8.2		52.2	22.0	–
10.4		54.2	37.2	
9.6	20	11.2	23.9	–
8.5		11.2	51.0	–
10.8		13.7	44.1	
10.8		30.2	55.0	
9.3		35.2	14.8	
	+1	1.3	−6.4	

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3481—3540.

mag.	9h. m	s	—35° ′	
10·6	20	38·7	28·6	
10·8		39·2	1·9	
10·0		44·2	55·4	
9·0		44·7	48·8	–
9·8		50·2	47·1	
8·1		54·7	25·6	8·0 =
10·4	21	0·2	36·5	
10·2		0·7	0·2	
9·4		10·7	40·0	
10·4		13·7	34·2	
10·0		16·2	30·1	
10·4		21·2	6·6	
10·0		23·7	48·6	
10·4		30·2	15·1	
8·5		42·2	27·7	9·0
10·4		43·2	6·0	
10·0		45·2	5·0	
10·2		46·2	40·0	
10·8		54·2	12·2	
10·8	22	2·2	5·2	
10·0		6·2	31·2	
10·4		7·7	4·0	
10·8		8·7	17·6	
10·8		9·7	4·5	
10·8		9·7	50·1	
10·8		10·2	52·6	
9·7		12·2	28·6	
9·6		18·2	30·0	
10·4		20·2	16·6	
10·2		21·2	19·8	
8·6		25·7	39·6	9·0 –
10·4		26·2	42·9	
10·0		28·2	53·0	
10·2		28·2	29·4	
10·4		32·2	3·0	
10·8		41·2	35·6	
10·6		42·7	5·5	
10·4		44·2	45·6	
10·4		45·2	21·0	
10·8		50·2	14·6	
10·4	23	2·2	30·2	
10·4		8·7	35·8	
10·8		19·2	28·8	
10·0		19·2	17·0	
9·0		20·7	38·1	–
10·0		21·2	21·6	
10·8		21·7	57·2	
10·8		24·7	23·0	
10·8		28·7	45·0	
10·8		29·2	50·2	
10·8		30·2	54·6	
8·2		32·2	4·2	8·2 –
10·4		32·2	7·8	
10·6		32·7	31·5	
10·0		33·7	28·7	
10·8		36·7	36·1	
10·6		41·2	36·8	
10·8		42·2	25·4	
10·8		44·1	31·4	
10·8		46·2	16·8	
25pr.	+1	1·7	−6·4	

3541—3600.

mag.	9h. m	s	—35° ′	
10·4	23	47·7	17·4	
10·8		49·2	51·8	
9·7		54·2	0·1	
10·4		55·2	28·3	
10·0		56·2	22·4	
6·9	24	5·2	24·3	5·0 GStπ
10·0		5·7	54·4	
10·4		10·5	0·8	
10·4		12·2	2·7	
10·0		12·7	44·4	
10·6		13·2	16·8	
10·8		19·7	53·0	
8·9		20·2	44·2	
10·8		22·2	34·0	
10·4		23·7	54·4	
10·6		27·2	41·6	
10·0		35·2	54·0	
10·8		38·2	17·0	
9·2		43·2	56·2	
10·4		45·2	34·2	
10·4		49·2	57·2	
10·6		50·2	42·6	
10·2		53·2	36·6	
10·8		56·7	15·2	
10·8		57·2	27·8	
10·8		59·7	12·8	
10·8	25	5·2	49·8	
10·8		10·2	22·8	
9·3		10·4	57·4	
9·6		11·2	56·3	
10·4		14·2	51·7	
10·8		16·2	25·3	
9·8		18·2	15·7	
10·8		23·2	5·9	
10·8		32·7	13·4	
10·8		44·7	18·8	
10·2		45·2	11·8	
10·8		46·7	42·7	
7·8	26	0·2	22·5	W–
10·8		0·7	49·1	
10·2		4·2	53·5	
10·6		5·7	35·8	
9·7		9·2	3·1	
10·4		16·2	3·3	
10·8		19·7	52·8	
7·2		20·2	9·6	6·5 GS–g
10·8		22·7	51·2	
9·8		31·2	23·6	
10·4		33·2	23·2	
10·2		39·2	42·4	
8·9		40·0	59·2	
10·8		42·2	41·4	
10·2		43·7	47·9	
10·8		53·1	27·2	
9·6		54·2	20·7	
9·7		54·2	27·8	
10·4		55·2	3·2	
10·8		55·7	42·2	
10·4	27	1·7	23·0	
10·0		4·2	53·8	
	+1	1·9	−6·5	

3601—3660.

mag.	9h. m	s	—35° ′	
8·7	27	6·2	27·9	–
10·8		12·2	45·8	
9·7		21·2	52·6	
10·6		22·2	22·6	
10·0		24·7	12·0	
10·4		25·0	0·8	
9·8		25·7	11·5	
10·2		30·2	13·0	
10·2		30·2	54·9	
10·4		34·2	46·6	
10·8		40·2	32·9	
10·6		49·7	40·8	
9·3		52·2	12·9	
10·2		54·2	36·8	
10·2		58·2	56·4	
7·8	28	0·2	51·0	8·5 =
10·4		4·2	6·9	
9·8		10·2	50·4	
10·0		15·7	16·4	
10·8		18·7	36·4	
9·7		20·2	51·2	
9·0		24·3	8·6	9·0
10·8		29·2	14·0	
9·5		29·9	40·8	
9·8		31·9	28·8	
9·7		39·4	53·8	
9·8		40·1	0·7	
9·2		42·9	1·4	
7·8		51·9	35·2	9·0 –
10·8*		53·2	59·8	
9·5		53·6	2·0	
9·6		57·9	15·6	
9·8		59·4	41·4	
9·4	29	7·4	18·6	
9·4		11·9	33·6	
9·7		19·9	39·6	
9·8		30·9	28·3	
9·0		33·9	7·7	
9·4		37·9	43·8	
9·6		44·9	23·4	
9·7		51·9	11·5	
9·6		52·9	23·9	
7·5		59·9	16·0	7·0 GS=g
9·4	30	6·9	2·9	
8·9		18·9	15·5	9·5 –
9·6		23·9	49·6	
9·8		27·9	13·9	
9·5		28·9	54·6	
9·4		30·9	17·6	
9·4		31·9	30·8	
9·8		38·9	18·9	
9·7		38·9	8·1	
9·8		39·9	16·2	
8·9		53·4	43·2	
9·3		55·9	15·2	
9·8		59·9	18·6	
8·0		59·9	28·4	9·0 W≡
9·8	31	8·4	34·4	
8·1		11·9	44·5	8·5 –
9·6		26·9	13·4	
	+1	2·2	−6·6	

3661—3720.

mag.	9h. m	s	—35° ′	
9·8	31	36·4	45·2	
8·9		39·9	33·8	9·5
9·7		45·5	29·8	
9·4		48·0	41·6	
9·5		48·5	53·0	
8·8		53·3	50·2	
9·8		53·3	18·0	
9·5	32	3·0	55·2	
9·8		6·7	1·0	
7·6		16·0	32·1	6·5 GS≥t
9·6		20·0	18·9	
9·4		20·5	30·8	9·5
9·8		21·1	59·9	
9·8		29·0	14·9	
9·6		38·0	40·8	
9·5		39·5	41·1	
9·5		48·1	59·9	
9·8		58·5	49·1	
9·8	33	0·0	20·8	
9·8		5·0	35·9	
9·7		8·0	49·6	
9·7		9·5	40·5	
9·8		14·0	45·0	
9·8		14·0	34·9	
9·6		21·5	42·4	
9·7		25·5	30·4	
8·5		36·5	58·0	9·0
9·3		46·0	20·7	
9·0	34	27·5	42·4	
9·0		33·0	31·7	W=
9·8		44·5	32·9	
9·8		59·5	52·8	
9·5	35	18·5	19·1	
9·8		20·5	14·5	
9·2		21·5	58·3	–
9·8		23·5	48·1	
9·0		24·5	21·4	W
9·8		33·0	5·7	
8·1		57·5	27·6	8·0 GW≥
9·8	36	4·0	53·9	
9·8		23·0	20·7	
9·7		26·5	19·8	
9·7		27·0	18·9	
9·5		32·5	38·9	
9·6		39·0	55·5	
9·7		46·0	4·5	
9·8		48·5	59·2	
9·8		51·5	8·5	
9·8		54·0	22·0	
9·6		59·5	47·0	
9·8	37	8·5	54·9	
9·7		10·0	39·7	
9·8		10·5	15·5	
8·0		13·3	0·6	8·0 GS
9·8		19·5	9·9	
9·3		20·6	57·9	
9·2		27·0	18·7	
9·8		36·5	7·5	
9·7		42·3	59·0	
9·0		49·5	8·9	
	+1	2·7	−6·7	

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3721—3780.

mag.	9^h m	s	−35° ′	
9·8	37	51·0	6·3	
8·7		59·0	4·9	8·0
9·8	38	15·5	35·6	
9·8		17·5	42·9	
9·7		27·8	57·9	
9·8		34·5	23·7	
9·2		43·0	11·9	
9·8		49·5	54·7	
9·5	39	9·0	30·0	
9·7		19·5	12·2	
9·6		25·0	8·0	
9·8		27·0	49·9	
9·8		27·5	7·6	
9·7		52·0	29·3	
9·4	40	10·5	16·4	
9·8		15·0	9·8	
7·9		42·5	17·1	7·0 GS=g
9·8		43·0	27·2	
9·6		44·5	29·7	
9·8		47·0	31·6	
9·4		49·5	48·3	
9·6		57·0	49·2	
9·4	41	1·5	27·9	
9·0		5·5	11·8	9·0
9·2		14·0	43·2	
9·8		23·0	42·2	
9·8		28·0	40·0	
9·8		34·0	56·3	
9·8		36·5	36·6	
9·8		39·5	45·0	
9·8		50·5	42·0	
9·8	42	0·0	17·1	
9·4		5·0	38·5	
9·2		8·0	39·3	9·5
9·8		13·5	27·9	
9·1		19·0	45·8	8·5 −
9·8		39·0	23·0	
9·3		42·5	8·1	
9·8		49·4	43·0	
9·8	43	12·9	7·6	
8·7		16·4	14·5	8·5 −
9·8		18·4	9·0	
9·8		19·4	16·3	
9·8		29·4	50·0	
9·8		29·9	58·8	
9·5		32·9	33·5	
9·0		34·4	19·0	
9·2		51·9	21·4	
9·8		51·9	16·4	
9·8		59·9	3·0	
8·7	44	0·4	22·8	−
9·8		3·4	45·7	
9·3		6·9	45·3	9·0 −
9·6		8·9	13·7	
9·8		9·9	52·1	
9·6		19·4	37·8	
9·7		20·4	42·9	
7·8		33·4	41·1	6·8 GSct
9·8		35·4	6·1	
9·6		38·9	30·7	
25pr.	+1	3·3	−6·9	

3781—3840.

mag.	9^h m	s	−35° ′	
9·0	44	39·4	45·3	9·5
9·8		47·9	8·2	
9·8		57·4	16·6	
9·8	45	2·1	54·3	
9·8		2·4	15·9	
9·2		3·9	29·0	
9·4		5·3	2·3	
8·1		13·9	40·7	7·8 GS=t
9·4		14·4	51·1	
9·8		19·4	19·0	
9·6		20·4	47·2	
9·5		27·4	26·2	
9·8		34·9	45·0	
9·7		40·9	10·9	
9·5	46	0·3	40·9	
9·2		5·3	42·0	
9·2		6·8	55·8	
9·5		13·3	19·0	
9·4		19·3	32·5	
9·8		30·8	49·6	
9·4		35·3	26·4	9·0
9·8		51·0	58·5	
9·8		55·8	57·0	
9·4	47	13·3	17·3	9·5
9·7		20·8	38·2	
9·6		42·8	50·3	
9·4		42·8	47·8	
9·1		43·8	22·8	9·0 =
9·5		45·8	52·7	
9·8		49·3	39·9	
9·5		59·3	50·4	
9·8	48	0·3	57·9	
9·7		14·8	50·0	
9·4		18·8	12·4	
9·8		21·8	37·0	
8·8		23·3	48·1	=
8·9		53·8	45·6	
9·8		57·3	50·9	
8·9		58·3	12·0	9·0
9·7		59·3	19·8	
9·8	49	11·8	24·6	
9·8		23·3	19·1	
9·2		31·5	2·3	8·8 −
9·2		34·8	43·8	
8·8		36·8	2·5	8·3 −
9·3		54·3	23·5	
9·4		59·3	3·1	
9·4		59·8	0·5	9·5
9·8	50	6·3	9·1	
9·8		23·8	5·4	
9·6		23·8	24·4	
9·5		25·4	2·1	
9·8		25·8	3·5	
9·8		27·8	23·9	
9·6		29·2	16·6	
9·8		36·7	56·4	
9·8		50·2	37·8	
9·7		54·7	40·0	
9·8	51	0·7	41·8	
9·1		10·0	56·5	
	+1	3·8	−7·0	

3841—3900.

mag.	9^h m	s	−35° ′	
9·8	51	21·7	16·8	
9·8		35·7	7·1	
8·9		38·7	5·9	9·0 −
9·8		40·2	22·6	
9·3		48·2	22·8	
9·8		50·7	27·8	
9·7		54·5	59·3	
9·8	52	19·7	20·7	
9·1		22·7	3·9	9·0
9·8		30·7	48·6	
9·8		33·2	51·0	
9·3		58·2	25·1	
8·7	53	0·2	27·6	8·5 ≡
9·3		13·4	39·5	
9·8		19·9	5·4	
9·8		25·6	47·9	
7·0		30·6	17·5	6·0 GSπ
9·8		35·2	40·9	
9·8		38·7	19·5	
9·4		46·9	33·4	
9·8		54·9	8·8	
9·6		55·9	55·0	
9·6		59·6	52·9	
9·8	54	2·2	49·9	
9·6		3·1	58·2	
10·6		10·6	24·3	
9·4		11·6	5·8	9·5
10·0		12·1	13·9	9·5
9·8		21·1	9·6	
10·6		26·6	41·2	
10·6		30·6	54·2	
10·6		30·6	53·1	
10·3		40·1	3·5	
10·6		40·6	42·9	
7·4		45·6	26·8	8·5 ≡
10·3		58·6	29·9	
10·6	55	6·1	28·8	
9·8		14·6	43·9	
10·6		15·1	29·1	
9·0		15·6	20·5	9·0
10·6		51·6	17·9	
9·0	56	2·1	4·4	
9·6		4·1	5·9	
9·8		18·1	49·6	
10·4		19·6	24·7	
9·8		23·1	43·4	
9·4		27·1	57·2	
9·4		33·6	36·1	
10·3		41·3	9·3	
9·0		49·6	30·0	
10·3		54·1	9·3	
9·8	57	8·0	4·7	
9·8		12·0	55·1	
10·3		20·5	22·1	
9·4		30·0	31·0	
10·2		31·5	50·6	
9·4		40·0	35·7	
10·2		41·0	48·3	
10·2		41·0	27·9	
10·4		43·0	52·4	
	+1	4·4	−7·1	

3901—3960.

mag.	9^h—10^h m	s	−35° ′	
10·3	57	45·0	1·7	
10·2		54·5	41·9	
10·6	58	9·0	43·2	
10·6		9·0	40·7	
10·6		11·0	42·1	
9·8		14·0	47·5	
9·0		19·0	43·8	
10·6		20·3	59·6	
9·8		27·0	38·6	
10·6		27·7	58·9	
9·8		30·0	29·6	
9·8		30·0	3·8	
8·8		42·0	58·8	9·0 −
10·0		45·0	52·3	
10·3		59·0	14·1	
10·6	59	3·5	19·4	
10·3		4·0	55·5	
10·4		10·0	50·3	
9·8		10·0	4·9	
10·6		10·0	25·8	
10·4		18·5	53·9	
9·2		19·0	35·4	
9·4		19·0	6·3	
10·3		39·0	16·9	
9·6		47·5	38·0	9·5
10·2		48·0	51·4	
10·6		49·0	0·7	
10·3		49·5	45·1	
7·0		51·0	46·6	7·0 GS=t
9·8		55·0	44·6	
10·6	0	16·0	52·0	
8·8		20·0	21·9	=
9·0		21·0	11·3	9·0 =
10·6		28·5	34·0	
10·6		33·5	42·1	
10·6		37·5	44·0	
10·3		45·0	25·5	
8·2		49·0	46·6	8·0 G=
10·6		58·0	43·0	
9·8		58·0	56·3	
10·4		58·5	28·6	
9·4		59·0	5·4	
10·6	1	2·5	36·7	
10·3		9·2	0·9	
10·3		21·0	35·8	
9·2		24·0	38·8	
9·8		28·0	16·3	
10·2		29·5	55·0	
9·6		32·0	25·4	
10·0		32·5	38·3	
9·2		42·0	8·3	9·0
10·6		50·0	3·0	
10·0	2	0·0	10·6	
9·6		0·0	56·3	
10·6		20·0	44·1	
10·3		27·5	31·3	
10·4		28·0	28·3	
9·8		31·0	0·3	
10·0		40·0	29·5	
10·6		40·0	17·0	
	+1	4·9	−7·2	

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3961—4020.

mag.	10h. m s	—35° ′	
10·0	2 40·0	46·6	
10·3	44·5	54·7	
10·6	53·5	57·3	
10·6	56·5	11·7	
9·8	3 15·0	57·4	
10·6	29·5	28·9	
10·2	36·5	55·1	
10·6	40·5	39·6	
10·3	44·0	11·8	
9·8	4 0·0	53·4	
8·6	1·5	46·9	9·0 –
10·0	5·0	33·5	
9·2	8·7	2·9	9·0 –
6·6	9·0	14·6	6·5 GS=t
10·0	9·5	31·2	
9·8	12·0	44·7	
9·8	23·2	59·0	
9·8	28·5	35·3	
9·6	32·5	30·1	
9·8	33·5	46·5	
10·6	36·0	53·9	
10·4	46·0	13·6	
10·6	46·4	0·1	
10·2	47·5	29·6	
9·8	50·0	41·1	
9·8	5 8·5	55·9	
9·8	9·5	35·9	
7·7	11·8	58·9	8·5 =
10·2	18·5	54·9	
10·0	44·5	38·9	
10·6	57·5	46·9	
9·6	6 0·0	38·9	
10·6	8·0	53·4	
9·4	25·0	18·1	–
10·6	43·0	1·1	
10·0	44·0	6·7	
9·6	55·4	0·2	
10·6	7 8·5	31·6	
9·0	10·0	36·9	8·5 =
9·8	29·5	31·2	
10·6	29·5	27·9	
8·6	36·5	27·1	8·5 ≡
9·8	40·0	18·9	
10·6	59·5	21·0	
9·6	8 0·0	16·2	
9·6	0·5	13·2	
9·6	1·5	40·6	
9·6	9·0	10·5	
10·6	19·0	52·8	
10·4	40·0	32·2	
10·6	45·5	42·9	
10·6	50·0	6·4	
9·0	55·0	18·0	
9·8	9 6·0	27·2	
9·0	11·0	45·2	
10·6	15·0	57·6	
10·2	21·0	29·0	
9·4	29·5	53·6	
10·6	32·0	10·0	
10·4	49·0	55·2	
25pr.	+1 5·4	–7·3	

4021—4080.

mag.	10h. m s	—35° ′	
10·0	9 50·0	45·2	
10·3	51·5	28·4	
7·4	52·0	53·8	6·5 GS=t
10·6	55·5	9·0	
9·6	59·0	57·1	
9·8	10 20·5	46·2	
9·8	22·0	6·5	
10·6	29·7	58·7	
10·4	30·0	27·8	
9·4	51·5	22·7	
10·6	52·3	59·2	
10·2	56·5	14·0	
10·2	11 0·0	51·4	
10·4	0·0	39·7	
10·6	1·0	41·3	
10·4	12·5	3·3	
9·4	20·9	1·5	
9·0	22·0	13·9	9·5
10·0	27·0	48·0	
9·4	29·0	54·8	9·5
8·6	30·5	57·2	8·5 –
10·6	33·0	47·2	
10·3	42·0	32·9	
9·8	44·5	19·2	
10·0	50·0	19·6	
9·4	50·0	43·0	
10·6	12 1·5	6·9	
9·8	3·5	26·6	
10·6	5·0	40·2	
10·6	12·5	44·6	
10·3	34·5	31·2	
9·8	35·5	5·9	
8·0	13 2·0	8·2	8·0 G=
10·6	4·5	39·8	
9·8	6·4	2·2	
10·4	10·5	45·0	
10·6	15·5	29·0	
10·6	19·0	44·2	
9·8	27·0	9·8	
10·6	28·5	10·6	
8·8	29·5	46·8	9·0 =
10·3	39·0	10·7	
10·6	39·7	58·7	
10·6	49·5	1·1	
10·6	52·5	31·1	
10·4	53·5	14·4	
10·3	56·3	44·0	
10·6	14 1·0	31·9	
10·6	1·5	50·8	
10·3	2·5	29·2	
10·4	16·0	55·6	
10·3	21·3	57·2	
10·6	29·7	0·8	
10·6	31·5	37·2	
9·4	34·5	9·7	
8·5	50·0	34·5	8·0 =
10·6	54·0	24·4	
9·0	58·5	14·8	9·0 –
10·2	59·0	46·5	
10·6	15 15·1	57·4	
	+1 6·0	–7·4	

4081—4140.

mag.	10h. m s	—35° ′	
10·4	15 30·0	1·2	
9·8	30·5	32·0	
10·6	43·8	21·0	
10·6	49·3	16·2	
10·6	55·8	46·1	
10·6	59·8	7·2	
10·4	16 13·8	32·9	
10·3	17·8	35·2	
9·4	21·3	19·8	
8·0	28·3	35·5	W≡
9·4	46·3	30·9	
10·0	47·8	45·5	
10·6	57·3	29·6	
10·3	58·3	41·1	
10·2	59·8	47·1	
10·6	17 0·3	21·9	
10·4	2·3	6·5	
10·4	3·8	24·9	
10·6	11·3	23·7	
9·8	12·3	34·0	
9·8	15·8	11·0	
9·4	18·8	47·7	9·0 –
10·6	18·9	40·7	
10·6	20·8	8·8	
9·4	21·3	6·8	
10·0	21·8	13·7	
10·2	30·3	39·9	
9·4	48·8	40·9	9·0
8·6	53·8	45·1	8·5 –
9·8	58·8	25·0	
10·2	18 16·3	38·0	
9·8	20·8	31·3	
10·6	20·8	48·0	
9·6	26·5	44·6	
9·8	27·3	3·1	
9·8	29·8	6·2	
10·2	34·5	34·2	
10·0	37·0	21·0	
8·2	43·0	1·0	3·5 –
10·6	45·5	16·6	
9·4	52·8	49·9	
10·6	19 0·5	4·7	
10·4	2·3	59·2	
10·0	4·8	5·6	
10·0	8·5	42·7	
10·6	9·8	45·7	
10·4	26·5	49·7	
9·4	33·0	19·9	
10·0	40·7	15·9	
9·5	42·2	55·5	
9·8	20 1·7	11·5	
10·4	4·4	9·1	
9·8	7·7	19·9	
10·2	9·2	18·1	
9·8	10·2	56·2	
10·4	15·7	59·4	
10·2	18·7	34·3	
10·0	25·2	41·6	
9·8	30·2	32·0	
9·5	39·2	10·1	
	+1 6·5	–7·5	

4141—4200.

mag.	10h. m s	—35° ′	
10·0	20 44·5	58·2	
10·0	53·2	27·2	
10·0	54·2	12·9	
10·2	21 9·2	7·2	
10·4	10·7	0·8	
9·8	10·7	45·5	
9·4	18·4	1·7	
9·6	20·7	48·1	
10·0	29·2	41·2	
9·4	37·7	52·6	
9·8	46·7	22·6	
9·4	47·7	36·6	9·0
10·4	53·7	9·5	
9·6	22 1·2	11·6	
10·2	9·7	23·5	
9·6	18·2	41·6	
9·6	19·2	8·0	
10·4	35·0	59·2	
7·7	39·7	34·8	7·5 W≡
9·8	42·2	43·2	
10·4	59·7	37·9	
9·8	23 10·2	25·4	
9·4	17·8	58·1	9·5
9·6	18·7	9·4	
10·4	21·7	18·4	
9·6	22·7	23·8	
10·2	31·7	49·5	
10·2	41·2	27·0	
9·6	44·7	15·9	
9·6	52·2	24·4	
10·4	58·7	11·8	
9·6	59·7	48·1	
9·4	24 11·7	39·7	
9·5	15·2	37·9	
10·2	24·7	33·8	
10·2	25 0·7	19·4	
10·2	0·7	21·2	
10·2	4·7	2·0	
9·0	15·2	37·2	9·0 –
9·5	19·2	12·1	
10·4	19·7	50·0	
10·2	27·7	5·3	
10·0	27·7	40·4	
10·2	29·2	19·9	
9·0	36·2	34·9	8·5 =
10·4	47·7	46·6	
10·4	50·7	4·1	
10·2	54·2	4·0	
10·2	57·2	45·5	
10·4	57·7	41·5	
9·6	26 0·4	1·5	
9·1	14·7	50·3	10·0
10·4	32·2	51·0	
10·0	37·7	21·1	
9·4	38·2	7·3	
10·4	44·7	45·8	
10·4	49·7	5·5	
8·4	27 3·2	48·8	8·0 =
8·6	6·2	51·5	9·0 =
10·4	11·7	38·5	
	+1 7·1	–7·6	

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4201—4260.

mag.	10h. m	s	—35° ′	
9·0	27	15·0	59·8	8·5
9·1		19·7	10·5	9·5
10·4		28·7	31·1	
9·5		29·2	37·2	
10·4		29·7	1·2	
10·4		39·2	27·9	
10·0		39·2	8·0	
10·4		41·2	22·5	
10·2		42·2	8·2	
10·2		49·7	23·7	
8·1		51·2	25·2	8·0 W≡
10·2		51·7	51·9	
10·4		55·2	3·5	
10·4		55·2	12·8	
10·2	28	6·7	19·9	
10·4		9·7	53·1	
10·4		9·7	24·1	
10·4		13·7	14·2	
10·0		15·7	5·0	
10·2		37·7	27·1	
10·2		41·7	15·4	
10·2		43·2	49·3	
10·4		44·6	0·1	
10·2		47·2	3·4	
9·8		56·7	49·0	
9·8		58·0	57·1	
9·8		58·2	14·3	
10·4	29	2·2	26·0	
9·6		19·7	53·4	
9·6		21·7	53·0	
10·2		30·7	9·5	
8·6		40·2	10·8	9·0 –
9·8		42·4	0·0	
10·4		45·7	24·5	
10·4		50·2	26·0	
10·2		51·7	55·9	
9·4		53·2	44·4	W
9·5		58·2	43·0	
10·4		59·7	28·2	
8·8	30	1·2	40·5	9·0 W
10·4		5·2	37·2	
10·2		14·7	38·1	
9·4		18·7	24·2	
10·0		19·2	3·2	
10·2		21·2	54·0	
8·6		33·7	43·2	8·0 W–
9·6		35·2	36·5	9·5
9·6		37·7	56·2	
10·4		41·7	8·8	
10·2		47·5	59·8	
10·2		53·7	55·1	
10·4		59·7	14·1	
9·8	31	3·2	16·3	
10·0		4·7	35·3	
9·6		9·2	58·9	
10·2		11·2	31·5	
10·2		13·2	38·2	
10·0		19·2	38·3	
9·5		21·2	50·0	
10·4		25·2	9·4	
25pr.	+1	7·6	–7·7	

4261—4320.

mag.	10h. m	s	—35° ′	
9·5	31	33·2	32·0	
10·0		45·4	0·0	
10·4		49·7	58·1	
10·4		52·2	29·1	
9·8		55·2	53·4	
10·4		58·7	56·2	
10·2		59·7	27·3	
7·4	32	1·2	4·3	7·0 GS=t
9·8		2·2	5·3	
9·4		5·2	53·0	
10·0		6·2	16·6	
10·2		9·3	57·2	
9·6		14·7	40·0	
10·4		18·7	40·4	
9·8		19·7	34·9	
10·0		20·2	26·3	
10·0		24·5	18·8	
10·2		29·5	42·3	
9·5		32·0	14·9	
9·5		34·0	6·1	
10·2		37·5	52·8	
9·6		43·0	42·7	
8·7		45·0	38·1	–
9·4		50·0	27·9	
10·4		50·5	2·8	
10·0	33	1·0	36·6	
9·6		4·0	48·6	
10·0		14·5	19·8	
10·3		25·0	38·8	
10·3		27·5	29·1	
9·6		29·5	13·8	
10·2		33·0	23·9	
10·2		34·0	10·7	
9·6		39·0	46·5	
10·0		39·5	23·0	
10·4		44·0	20·0	
9·6		45·0	7·6	
10·2		47·7	57·0	
9·6		52·0	26·9	
10·4		59·0	54·5	
10·0	34	0·0	4·0	
10·4		1·5	14·6	
9·4		4·0	53·2	
10·4		8·5	49·0	
10·2		11·5	31·5	
9·8		14·5	19·0	
9·6		20·5	12·1	
10·0		43·5	2·6	
9·8		48·5	28·1	
9·5		49·5	11·3	
10·4		49·5	31·8	
8·6		58·0	20·9	–
10·4		59·0	30·3	
10·4		59·5	53·9	
10·0		59·5	7·5	
10·2	35	0·5	46·8	
10·2		5·4	42·4	
10·4		6·2	1·5	
9·0		9·4	56·2	9·0 W–
7·4		9·4	5·3	6·5 GS=t
	+1	8·0	–7·8	

4321—4380.

mag.	10h. m	s	—35° ′	
9·4	35	12·4	54·5	
10·4		16·4	12·3	
10·2		23·4	43·8	
9·6		38·9	21·0	
7·4		48·4	4·8	7·0 GS–t
10·0		49·9	8·1	
10·4		49·9	55·5	
10·4		52·9	40·8	
10·4	36	4·9	56·8	
10·4		7·4	54·0	
10·2		9·4	16·0	
10·0		10·4	59·0	
8·8		15·9	45·8	W–
10·4		17·9	32·3	
9·4		34·9	25·6	9·5
10·2		37·9	54·5	
8·6		37·9	32·9	9·0 –
10·4		41·4	13·6	
10·2		51·4	49·5	
10·4	37	11·2	37·2	
9·6		11·4	55·6	
9·4		15·9	51·0	9·0 W
10·4		16·4	13·4	
10·2		17·4	10·0	
10·2		25·4	48·1	
8·8		39·4	4·0	
10·4		47·9	43·2	
9·1		49·6	2·2	
10·2		53·9	34·7	
10·4		56·4	42·3	
10·4		57·9	5·8	
10·0	38	1·9	11·7	
10·4		6·9	28·3	
8·8		9·4	22·0	
10·4		19·4	13·0	
10·0		22·9	12·8	
10·2		28·1	0·4	
9·4		47·9	52·4	
10·4		54·4	48·8	
10·4		58·9	40·3	
10·2		58·9	4·1	
9·4		59·9	0·7	
9·4	39	0·9	36·4	
9·5		6·9	39·4	
10·4		15·4	35·0	
10·4		18·9	51·4	
9·6		18·9	19·1	
10·2		22·9	27·0	
9·5		22·9	44·7	
10·2		29·9	51·6	
9·6		29·9	50·0	
10·2		33·9	16·9	
10·2		38·0	4·9	
10·4		40·4	45·8	
9·6		51·4	0·0	
10·2		51·9	10·1	
10·4		54·0	17·9	
9·6		56·4	12·4	
10·2		58·9	19·2	
10·4		59·4	12·7	
	+1	8·4	–7·8	

4381—4440.

mag.	10h. m	s	—35° ′	
9·6	40	0·9	43·9	
10·0		1·9	7·9	
10·4		9·4	41·6	
10·4		9·9	28·0	
10·4		12·4	56·9	
9·5		17·9	25·0	
10·4		19·4	54·0	
10·4		29·4	29·0	
9·8		32·9	38·0	
9·6		49·9	29·1	
8·2		49·9	37·2	8·5 =
10·4		54·4	29·0	
10·0		59·4	31·1	
9·6	41	2·4	17·6	
9·4		7·9	36·0	
10·4		9·5	56·9	
8·8		15·0	26·2	8·0 W≥
10·2		17·0	43·7	
9·5		22·5	21·2	
9·1		32·5	33·1	
10·4		34·5	44·1	
10·4		40·0	59·9	
10·4		44·5	25·5	
8·4		50·0	27·9	8·0 W≡
9·0		52·0	8·3	9·2
10·4	42	6·0	44·5	
10·4		25·0	10·8	
10·4		25·5	47·1	
10·4		30·5	34·1	
10·2		31·5	32·2	
10·4		40·0	47·6	
10·4		46·0	14·7	
9·6		48·0	29·7	
10·2		48·0	11·4	
10·2		49·5	57·6	
9·5		50·5	28·0	
10·4		52·0	50·4	
9·5		54·0	51·5	
10·2		54·5	25·8	
9·1		56·0	12·5	
10·0	43	1·5	16·1	
9·4		7·0	5·1	
9·6		8·0	27·6	
10·2		9·5	45·8	
9·8		10·0	53·0	
8·6		10·5	16·8	9·0 –
10·0		16·5	24·7	
9·5		18·0	9·4	
10·2		24·0	48·5	
9·4		24·0	17·0	9·0 –
10·4		29·0	24·4	
10·4		30·0	45·0	
9·0		30·5	32·8	
8·8		40·5	36·2	
10·0		43·5	27·4	
9·0		50·0	13·0	9·5
8·8		51·5	12·7	9·0
10·2		59·0	8·2	
10·4	44	8·5	56·0	
7·3		9·5	8·6	8·0 G–
	+1	8·9	–7·9	

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4441—4500.

mag.	10h. m	s	—35° ′	
9·6	44	15·2	1·7	
10·4		19·1	55·4	
10·0		19·6	28·6	
10·2		25·1	48·0	
9·8		29·1	6·6	
8·7		31·1	50·8	–
9·6		36·6	15·5	
10·4		38·1	28·7	
10·2		39·3	1·7	
10·4		46·9	37·8	
10·2		56·6	36·6	
10·0		56·6	48·2	
8·2	45	6·1	7·0	8·0 =
10·2		6·6	50·4	
10·2		14·4	21·3	
9·4		19·9	51·1	
9·8		20·2	12·3	
9·6		23·2	22·6	
10·0		34·7	45·7	
9·6		39·7	33·1	
9·2		40·2	5·2	9·5 –
10·0		45·2	52·6	
10·2		58·2	24·0	
9·6	46	5·7	21·7	
10·2		10·2	30·9	
9·2		27·7	9·9	
10·2		27·9	59·3	
10·2		31·2	37·0	
9·5		34·2	38·3	
10·2		34·7	46·1	
10·0		44·7	45·8	
10·2		49·2	53·3	
9·4	47	1·0	2·8	
10·2		4·7	17·9	
10·2		13·2	21·2	
10·2		25·2	45·7	
9·5		35·7	58·7	
10·0		48·7	46·0	
8·8		50·7	29·3	
10·0		53·7	54·9	
10·2		54·4	6·0	
9·8	48	4·7	18·5	
10·2		9·7	4·7	
6·8		9·7	47·5	7·0 GS≡t
10·2		12·7	8·3	
10·2		29·7	36·2	
10·2		34·7	43·5	
9·5		48·7	19·3	
10·2		59·7	53·9	
9·5	49	6·7	16·5	
9·8		27·2	40·8	
9·5		38·2	6·2	
9·8		38·7	37·7	
9·4		42·7	28·8	
10·2		49·2	32·8	
9·6		58·7	59·9	
9·8		59·7	15·1	
9·6	50	0·2	46·9	
9·6		1·7	44·9	
10·2		10·2	50·9	
25pr.	+1	9·3	–7·9	

4501—4560.

mag.	10h. m	s	—35° ′	
9·8	50	10·7	21·1	
9·2		14·7	51·6	9·5
10·0		19·7	2·9	
9·6		45·6	57·7	
8·6		50·7	54·9	8·5 =
10·2		58·7	35·3	
10·2		59·7	35·3	
9·6	51	10·2	6·1	9·5
9·6		21·2	53·5	9·5
10·2		22·2	27·8	
8·8		23·7	32·8	≡
9·6		26·2	20·7	
10·2		39·2	18·9	
9·8		40·2	11·2	
10·2		44·4	20·6	
9·6		50·7	18·5	
10·0		54·7	55·2	
9·8	52	5·7	3·0	
10·2		8·7	55·0	
9·8		9·7	48·5	
10·2		10·7	22·6	
9·8		14·2	21·4	
8·2		20·7	0·0	8·0 ≡
9·8		24·7	11·9	
10·0		29·7	1·7	
10·2		33·7	15·1	
9·8		35·7	52·6	
10·0		46·2	35·7	
9·4		51·2	32·4	
9·8	53	1·7	32·1	
9·2		7·7	49·9	9·5
9·2		9·7	26·5	
9·4		10·7	26·5	
7·9		19·7	50·0	8·0 GW≡
10·2		21·2	59·3	
9·4		33·7	37·3	
9·6		39·7	44·1	
9·8	54	5·7	7·6	
9·6		6·2	52·8	
9·4		15·7	4·0	
10·0		23·7	14·8	
10·2		28·2	6·2	
10·2		31·7	28·1	
9·8		35·2	41·0	
10·2		44·7	37·7	
10·2		46·7	38·0	
10·2		50·4	11·5	
9·8		59·7	34·0	
10·2	55	11·2	2·8	
10·2		11·7	34·8	
9·8		13·2	32·2	
10·2		21·2	33·6	
9·6		22·2	56·6	
10·2		44·7	42·9	
9·8	56	10·7	45·6	
10·2		11·7	31·2	
9·2		13·7	25·8	
10·2		16·2	56·2	
10·2		19·2	25·7	
9·2		28·7	47·0	
	+1	9·9	–8·0	

4561—4620.

mag.	10h.–11h. m	s	—35° ′	
10·2	56	30·7	35·8	
9·2		31·5	0·4	
10·0		33·2	44·0	
8·8		33·2	34·0	–
9·6		39·7	19·8	
10·2		43·7	52·0	
9·4		47·7	44·0	
9·0		47·7	23·9	
10·2		58·2	45·9	
10·0	57	1·7	41·3	
9·6		5·2	20·3	
9·6		9·7	58·9	
10·0		11·7	57·9	
9·5		13·2	30·8	
10·2		14·7	33·8	
9·2		18·7	8·9	9·0 –
10·2		30·2	57·0	
10·2		35·7	39·6	
8·6		41·7	59·5	8·8 G–
9·8		57·5	1·4	
10·2	58	1·7	18·2	
9·5		3·2	40·8	
10·2		3·7	41·5	
9·8		29·7	19·1	
10·2		30·7	10·9	
9·8		31·7	35·1	
9·6		33·2	33·9	
9·8		42·2	51·3	
10·2		44·7	28·1	
8·9		49·7	8·1	9·5 –
10·0		49·7	43·0	
6·2		59·7	7·9	6·0 GSct
9·6	59	3·7	52·9	
8·8		8·2	12·3	9·0 –
10·2		10·7	20·7	
9·8		14·2	19·9	
10·2		20·7	2·1	
9·6		25·2	47·8	
10·2		25·7	47·1	
9·6		40·7	58·0	
10·2		47·2	40·0	
10·2		57·7	18·7	
10·2		59·7	38·0	
10·2	0	2·2	23·5	
9·8		4·2	36·7	
9·2		5·2	26·0	
10·2		9·7	46·5	
10·2		9·7	40·5	
10·2		18·2	26·3	
9·4		27·2	4·3	
9·8		30·2	13·2	
10·0		30·7	9·8	
9·8		41·7	2·7	
10·2		54·7	25·1	
8·6	1	3·2	12·2	9·0 –
9·8		27·2	37·9	
10·2		27·7	38·5	
9·6		30·7	43·3	
10·2		35·2	16·9	
10·2		35·8	58·5	
	+1	10·5	–8·1	

4621—4680.

mag.	11h. m	s	—35° ′	
10·2	1	44·2	32·3	
9·8		51·0	8·1	
9·8		55·2	3·9	
10·2		56·7	34·2	
9·5		57·7	44·7	
10·2		58·7	48·9	
9·8		59·7	55·0	
10·2	2	10·2	14·7	
9·6		27·2	24·1	
9·6		36·2	50·9	9·0
9·8		39·7	30·1	
9·5		47·7	45·0	
10·2		50·7	29·0	
9·4		57·2	8·0	9·5
9·4		58·2	44·1	
9·4	3	0·7	44·3	
9·6		0·7	30·8	
10·2		20·2	48·6	
10·2		25·7	45·7	
9·4		28·7	55·1	
9·8		34·7	47·3	
9·0		48·7	12·2	9·0
10·2		53·7	26·1	
9·8		54·2	58·9	
9·4		57·2	33·3	10·0
9·6	4	2·2	12·2	
9·8		14·7	59·9	
8·6		15·2	19·2	9·0 –
8·5		25·2	25·1	7·5 GS=t
10·2		28·2	59·3	
10·2		30·4	6·1	
10·2		31·2	15·5	
9·6		35·2	30·8	
9·8		35·7	12·2	
10·2		39·2	22·9	
10·0		45·7	11·3	
10·2		47·7	15·2	
9·6		50·7	20·3	
10·2		50·9	59·1	
10·2		55·2	56·3	
7·8	5	4·7	32·9	7·5 G–t
9·8		5·2	41·3	
10·2		7·7	31·1	
10·0		9·7	14·9	
9·6		13·2	40·9	
9·8		16·2	30·1	
9·8		16·2	3·1	
9·4		18·2	52·2	9·0
9·8		31·7	48·2	
9·6	6	6·2	29·0	9·0
9·2		12·7	7·4	
10·2		15·7	8·8	
9·8		19·7	33·9	
10·2		26·7	49·5	
10·2		32·7	15·9	
10·2		50·0	0·2	
9·6		50·2	22·8	
10·2	7	14·2	46·8	
10·2		19·7	5·2	
9·6		38·7	27·4	
	+1	11·0	–8·1	

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4681—4740.

mag.	11h m s	–35° ′	
8.6	7 45.7	58.4	9.0
9.6	59.7	36.1	
9.6	8 6.2	3.9	
10.2	7.7	49.0	
8.6	19.7	34.3	–
10.2	21.5	0.0	
8.3	29.7	36.2	
9.8	30.7	11.5	
10.2	32.2	45.7	
10.2	32.2	17.3	
10.2	37.7	16.7	
9.0	41.7	24.6	
8.8	43.1	25.9	=
9.6	45.2	50.2	
10.2	48.7	43.3	
10.2	49.7	25.8	
10.2	9 0.7	20.6	
9.8	39.7	8.8	
10.2	41.7	2.5	
9.0	47.2	32.9	9.0
9.0	52.1	33.7	9.0
8.8	58.2	37.9	7.5 G–
10.4	10 20.3	55.7	
10.4	28.0	8.7	
10.4	28.3	42.0	
9.8	29.5	26.1	
9.0	29.6	10.5	–
10.4	29.7	45.1	
10.0	31.0	12.2	
10.4	39.0	56.0	
10.2	11 24.5	7.1	
10.4	25.5	25.2	
7.2	44.0	51.1	7.0 GS–g
10.4	50.5	0.0	
10.4	53.5	30.2	
10.4	58.5	56.2	
7.8	59.5	54.6	8.5 G
8.3	12 9.8	45.1	9.0
9.7	30.3	4.9	
10.0	46.3	53.5	
10.2	49.8	28.5	
10.4	13 3.8	45.1	
9.4	17.8	57.3	
10.0	43.3	47.2	
9.4	44.4	2.3	
10.4	50.8	21.2	
10.4	52.8	41.3	
9.7	54.8	5.2	
10.4	14 9.6	59.8	
10.4	11.3	44.1	
9.4	14.8	26.4	
10.4	19.8	33.1	
10.4	25.3	39.6	
9.0	31.8	17.9	
10.4	32.3	42.1	
7.7	40.2	2.1	8.0 GSg
10.4	15 2.8	35.9	
9.4	39.3	43.3	
9.4	53.2	0.8	
8.3	16 0.3	33.5	8.5 G–
25pr.	+1 11.7	–8.2	

4741—4800.

mag.	11h m s	–35° ′	
10.0	16 2.8	47.7	
10.4	3.8	54.1	
10.0	4.8	58.9	
10.4	9.8	29.7	
7.8	14.8	48.1	8.5 –
10.4	36.8	39.5	
7.3	45.3	33.3	7.5 GStπ
8.2	45.8	11.1	9.0
10.4	48.8	39.0	
9.6	53.3	22.7	
8.6	58.8	42.6	8.0 G
6.6	17 9.8	28.8	5.5 GStπ
9.7	18.3	13.6	
10.2	20.8	51.1	
10.4	23.8	54.3	
10.0	27.8	53.4	
10.4	37.8	3.6	
10.4	42.8	43.4	
7.2	44.3	24.2	7.5 G–tπ
9.8	47.3	28.4	
9.6	50.8	29.6	
9.6	54.8	2.3	
10.2	58.3	43.8	
10.4	18 15.8	39.2	
8.8	30.8	42.7	9.0
9.7	33.3	50.5	
10.4	44.8	48.4	
8.8	51.8	13.3	–
8.6	53.8	14.1	8.5
10.0	55.7	2.9	
10.4	55.8	16.5	
10.4	56.7	6.0	
10.0	58.3	30.2	
9.4	59.3	35.1	
10.4	19 8.8	8.7	
6.4	26.3	22.6	6.0 GStπ
10.2	26.8	25.3	
10.4	32.3	37.3	
9.8	34.3	19.8	
10.4	34.8	36.3	
10.0	40.8	43.0	
9.7	44.3	57.6	
9.4	49.3	44.1	
9.6	49.8	54.5	
8.6	20 4.3	36.3	
10.0	17.8	30.6	
9.7	20.8	39.2	
10.4	22.3	26.3	
10.2	23.8	34.7	
10.4	52.6	0.2	
10.4	56.3	10.6	
10.0	21 9.5	59.8	
10.4	12.3	43.2	
9.8	12.3	49.9	
8.8	37.8	21.6	8.5
8.6	42.3	23.1	8.5 –
10.2	42.3	28.2	
10.4	51.8	39.9	
9.7	22 0.3	17.8	9.0
10.2	5.3	24.3	
	+1 12.6	–8.2	

4801—4860.

mag.	11h m s	–35° ′	
10.4	22 15.3	31.8	
9.2	16.3	12.0	
9.8	28.8	12.0	
10.4	30.3	10.3	
10.4	30.3	26.0	
10.4	38.8	41.1	
10.4	40.3	40.5	
10.4	40.3	28.5	
9.2	40.3	51.9	
10.4	43.3	43.5	
10.0	50.8	45.3	
10.4	23 0.8	4.1	
10.4	6.3	5.2	
9.6	19.3	29.5	
9.7	21.3	37.0	
10.0	36.0	57.9	
10.0	50.3	54.7	
10.4	55.3	34.5	
10.4	24 0.0	59.9	
10.0	5.3	9.6	
10.4	15.3	21.5	
9.8	22.3	46.4	
9.7	24.8	44.2	
9.7	36.3	37.8	
10.0	38.3	7.7	
10.2	44.5	59.0	
10.2	49.8	41.7	
10.4	50.7	1.0	
10.4	52.3	22.3	
9.2	52.3	31.3	
9.7	56.3	12.2	
10.4	57.3	3.4	
9.2	25 10.3	52.0	
10.4	11.8	13.2	
9.2	21.3	20.6	
10.2	22.8	55.2	
10.4	30.3	4.0	
10.0	42.7	3.0	
10.4	44.8	46.6	
10.4	45.3	13.0	
10.2	47.8	25.0	
10.4	48.3	18.5	
10.4	55.8	15.4	
10.4	57.8	14.0	
10.4	59.8	22.0	
10.2	26 2.8	13.0	
8.2	15.3	38.0	8.5 –
10.4	15.3	20.2	
10.4	24.8	55.0	
10.4	31.8	8.2	
10.4	34.3	10.1	
9.4	35.3	0.8	
9.4	36.8	2.6	
10.4	41.3	41.9	
7.5	45.3	31.0	7.0 GS≡g
9.4	27 15.3	15.3	
10.4	24.8	28.4	
10.4	36.3	41.4	
10.4	51.3	15.3	
10.4	55.3	34.6	
	+1 13.2	–8.3	

4861—4920.

mag.	11h m s	–35° ′	
9.7	27 59.3	7.9	
9.4	28 0.3	17.8	9.5
10.4	0.8	17.1	
10.0	9.8	55.1	
8.0	12.3	30.8	7.5 GS=
10.2	19.3	20.2	
10.4	22.3	25.8	
9.4	24.8	22.6	
9.8	25.3	44.2	
10.0	25.3	15.1	
10.4	27.5	59.8	
9.4	36.3	49.2	
9.4	37.8	10.2	9.5
9.4	57.3	41.7	
9.8	29 10.3	10.9	
10.4	21.3	4.7	
10.4	26.3	3.1	
9.4	28.0	59.2	
10.0	32.8	16.3	
9.4	49.3	16.6	
9.7	51.3	54.0	
10.4	55.3	9.0	
10.4	30 0.3	46.8	
9.8	4.3	23.8	
9.7	7.8	23.8	
10.0	15.3	54.2	
10.4	19.3	29.2	
7.2	25.3	25.8	GS=t
10.4	39.3	32.9	
10.4	46.3	12.1	
10.4	54.3	20.2	
10.4	54.3	29.5	
10.4	55.3	26.9	
9.0	57.8	51.2	
10.2	31 0.3	5.0	
10.0	0.3	33.4	
9.7	2.8	21.1	
10.2	6.3	41.2	
10.4	14.3	51.1	
10.4	18.3	0.6	
10.4	29.3	27.1	
9.4	34.8	25.3	
9.8	36.3	18.4	
10.4	40.8	34.5	
8.7	41.3	52.4	8.5 –
9.6	43.8	11.6	
9.0	32 9.0	58.4	9.0
10.2	10.3	43.2	
10.0	18.3	48.5	
10.4	30.3	29.0	
9.8	37.8	15.6	
10.2	40.3	14.0	
10.0	43.8	15.6	
9.0	50.3	33.1	
10.2	33 0.3	5.2	
10.2	5.8	6.8	
9.8	15.3	27.8	
9.4	33.8	14.8	
9.8	35.3	40.1	
10.0	35.8	39.2	
	+1 13.8	–8.3	

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4921—4980.

mag.	11h. m	s	−35° ′	
9·4	33	39·1	59·0	
10·4		41·3	17·5	
10·4		51·3	57·2	
9·6		56·6	28·9	
10·0	34	0·8	26·2	
10·4		7·3	12·0	
8·7		10·1	9·2	9·0 –
10·0		30·3	50·2	
10·0		35·3	37·4	
10·0		50·3	26·4	
9·4		56·6	2·4	
9·7	35	0·3	56·5	
10·0		3·1	26·2	
10·4		5·6	57·1	
10·0		8·1	54·9	
10·0		9·9	56·5	
10·0		11·9	58·2	
9·0		37·9	19·8	
10·0		39·9	35·9	
10·0		53·9	18·1	
10·0	36	18·4	44·5	
8·4		20·9	17·9	8·0 G=
8·7		34·9	7·3	9·0
8·5		50·4	19·7	–
10·0		50·9	18·1	
8·8	37	3·4	2·7	9·0 –
10·0		6·4	49·8	
8·5		9·9	37·1	9·0
9·4		10·9	41·5	9·0
10·0		41·4	16·6	
7·8		48·4	36·2	8·5 ≡
10·0		51·9	25·7	
9·7	38	2·9	51·2	
10·0		10·4	2·8	
9·8		14·9	51·5	
10·0		17·4	54·8	
10·0		17·9	28·9	
10·0		23·4	26·1	
10·0		34·4	48·5	
7·9		39·4	43·1	8·5 –
8·0	39	4·9	42·5	7·5 G–
9·4		9·9	52·1	
9·0		9·9	42·9	9·0
7·9		12·4	39·3	8·5
9·8		24·4	41·1	
9·5		30·8	2·5	
9·8		38·4	53·9	
9·7		43·4	14·5	
9·8		59·9	25·0	
9·4	40	2·9	56·6	
9·5		2·9	8·1	
8·9		5·4	14·8	9·5
10·0		9·9	4·1	
9·6		9·9	2·0	
9·4		11·8	58·2	
10·0		20·4	6·4	
10·0		28·4	30·3	
10·0		36·4	40·9	
8·6		44·4	43·0	9·0
9·3		46·9	42·0	
25pr.	+1	14·5	−8·3	

4981—5040.

mag.	11h. m	s	−35° ′	
9·0	40	48·4	50·9	
7·0		50·4	12·7	6·5 GS=
9·6		50·9	47·3	
9·8	41	9·9	23·4	
9·2		33·4	40·4	
9·7		39·4	18·3	
9·3		52·4	43·1	
9·5	42	1·4	18·0	
9·5		2·6	1·9	
7·8		23·4	17·5	7·0 GW=
10·0		27·4	16·0	
9·0		39·9	14·3	9·5
9·5		39·9	16·4	
9·7		40·9	19·0	
10·0		49·9	55·6	
10·0	43	13·9	18·4	
9·2		27·9	56·3	9·0
10·0		30·4	3·9	
9·6		33·4	59·0	
10·0		38·9	17·9	
10·0		44·9	35·4	
9·8		58·9	45·8	
9·6	44	5·4	4·1	
9·5		9·9	20·0	
9·0		23·9	46·0	9·0
10·0		24·4	18·7	
9·3		28·4	28·0	
8·7		37·4	40·1	9·0
9·4		40·6	0·9	
9·8		41·4	26·9	
10·0		42·9	57·8	
10·0		43·9	52·0	
9·7	45	0·4	0·7	
9·5		4·4	17·9	
9·8		10·9	15·7	
9·6		11·4	6·9	
10·0		11·4	23·1	
8·7		12·9	47·2	8·5 G
9·0		19·9	8·9	9·0 –
9·6		19·9	56·2	
10·0		20·4	6·6	
10·0		24·9	12·4	
10·0		30·9	23·9	
9·8		37·4	10·1	
10·0		43·9	13·6	
10·0	46	1·4	12·6	
10·0		4·9	13·1	
9·0		8·4	6·9	
10·0		10·9	20·2	
10·0		14·9	58·4	
10·0		39·1	0·8	
10·0		39·9	51·0	
8·7		51·9	40·1	8·5
9·8		57·9	21·7	
7·2		58·4	52·8	7·0 GS–g
9·8	47	1·4	0·5	
8·8		1·4	20·9	
10·0		5·4	40·8	
10·0		6·4	30·1	
10·0		19·0	59·5	
	+1	15·2	−8·3	

5041—5100.

mag.	11h. m	s	−35° ′	
8·7	47	19·4	45·0	9·2
9·6		25·4	59·6	
10·0		39·9	58·6	
10·0		44·9	56·0	
7·9		50·4	17·8	8·5 GS=
10·0	48	8·9	53·4	
9·4		29·9	5·8	
9·2		31·9	28·0	
9·3		32·4	50·3	
10·0		35·9	8·6	
9·7		50·4	28·6	
9·2		53·9	50·4	
9·3	49	3·9	4·1	
10·0		18·9	34·1	
9·5		54·4	14·1	
9·6		59·9	0·9	
9·5	50	0·9	27·0	
10·0		3·9	13·0	
10·0		4·9	54·2	
9·5		5·4	52·7	
9·0		8·9	5·1	
10·0		11·9	57·5	
10·0		13·9	56·0	
9·0		20·4	48·0	9·0
9·5		24·4	47·0	
9·6		42·4	23·1	
8·8		51·9	23·0	9·5 –
9·6		52·9	23·5	
9·2	51	0·0	57·0	
9·4		9·9	43·1	
10·0		11·4	7·5	
9·8		45·9	14·4	
10·0		48·8	1·0	
9·2		53·4	29·9	
9·2	52	0·9	17·8	9·5
10·0		1·9	4·0	
10·0		21·9	11·3	
9·5		23·9	17·9	
8·8		29·4	43·0	9·5
9·2		29·4	45·2	
10·0	53	8·9	50·3	
9·2		12·9	13·5	
10·0		15·4	7·0	
10·0		18·9	27·3	
9·2		19·9	47·5	9·5
9·5		26·4	44·9	
8·8		29·9	27·0	7·0
9·2		30·9	30·1	
10·0		52·4	10·1	
8·0		54·9	35·2	7·5 G–
10·0		54·9	17·1	
10·0		57·4	53·4	
7·7		59·4	52·1	8·0 G
9·8	54	4·4	46·0	
9·8		11·9	43·0	
9·4		14·4	22·0	
9·8		21·9	0·9	
10·0		23·9	23·1	
10·0		25·9	54·7	
10·0		42·4	16·9	
	+1	15·9	−8·3	

5101—5160.

mag.	11h.–12h. m	s	−35° ′	
10·0	55	2·9	26·9	
10·0		8·4	35·1	
9·4		14·4	9·6	9·5
10·0		17·9	7·3	
9·5		23·9	45·1	
9·6		39·4	21·7	
9·6		40·9	24·0	
10·0		41·4	0·9	
10·0		49·4	10·3	
9·2		51·9	48·6	
9·7		56·4	19·1	
10·0	56	4·9	9·9	
8·8		9·9	12·1	9·5
10·0		9·9	53·0	
9·6		9·9	17·2	
9·8		19·4	43·5	
8·6		24·4	12·8	8·5 W=
9·4		29·9	5·7	
10·0		29·9	27·8	
10·0		33·9	8·0	
10·0		35·9	44·4	
9·0		51·4	50·2	9·0
9·6		57·9	15·8	
10·0		59·9	38·0	
9·4	57	2·4	56·7	
10·0		13·4	17·4	
10·0		29·6	36·6	
8·9		29·9	23·5	
9·8		44·9	56·9	
9·8		50·4	11·1	
10·0		51·4	5·8	
9·5		54·2	0·2	
10·0	58	9·9	15·1	
9·6		15·4	1·8	
10·0		15·9	5·9	
9·7		19·9	47·4	
9·5		25·9	40·9	
9·5		35·4	17·0	
9·4		38·9	36·8	
8·8		45·2	0·8	
9·4		49·4	36·9	
9·0	59	2·2	1·7	
9·2		12·9	40·7	
9·3		20·6	49·0	
9·7		38·6	0·5	
10·0		49·6	37·3	
10·0		54·4	13·7	
10·0		57·8	51·6	
9·6		58·8	15·2	
9·6		59·6	54·3	
10·0	0	3·6	38·7	
9·2		3·8	1·9	
9·2		14·5	13·5	8·8
10·2		19·5	58·2	
10·2		31·2	24·1	
9·9		44·0	9·9	
9·9		45·5	29·3	
10·2		58·6	59·1	
10·2	1	5·7	45·7	
10·2		12·5	58·0	
	+1	16·6	−8·4	

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5161—5220.

mag.	12h. m s	—35° '	
9·8	1 29·7	34·9	
10·2	40·7	56·3	
9·8	49·2	20·6	
10·2	59·2	49·8	
10·2	2 7·7	3·8	
9·9	10·5	56·7	
9·4	18·2	21·7	
10·2	20·2	11·5	
10·0	27·2	35·7	
10·2	27·7	48·8	
10·2	30·2	1·4	
10·2	30·2	49·5	
10·2	34·0	57·6	
9·8	40·2	5·8	
10·2	45·2	6·3	
8·5	48·0	59·8	9·0 –
9·2	50·2	12·6	9·2
9·9	3 9·2	9·7	
10·2	18·2	8·8	
10·0	18·7	39·5	
9·7	19·2	11·5	
9·6	20·2	47·0	
10·2	44·2	34·0	
10·2	52·7	43·8	
9·7	4 1·2	22·7	
10·1	3·2	51·7	
9·0	29·2	47·7	
9·6	36·7	6·5	
9·4	45·7	4·5	
9·7	57·7	47·1	
10·0	59·2	48·8	
10·2	5 0·2	13·1	
10·2	9·2	22·1	
10·0	14·2	38·8	
8·6	28·2	34·7	
10·2	28·7	46·5	
9·8	38·2	18·5	
10·1	39·4	44·7	
9·6	49·2	10·1	
9·4	56·7	36·8	
10·2	6 9·2	8·1	
9·6	21·0	59·1	
10·0	36·7	11·9	
8·8	39·2	15·5	–
9·9	43·2	53·3	
9·6	50·0	57·9	
9·6	52·7	41·1	
9·9	52·7	23·9	
9·7	59·2	31·1	
10·1	59·7	54·3	
10·1	7 4·2	52·1	
9·2	10·7	36·8	
10·2	13·2	56·4	
10·2	21·7	53·0	
10·2	24·2	21·6	
9·6	27·7	37·9	
10·1	33·2	14·5	
7·8	38·2	51·7	8·5
10·2	59·2	17·2	
9·6	59·2	27·3	
25pr.	+1 17·3	−8·4	

5221—5280.

mag.	12h. m s	—35° '	
9·7	7 59·7	21·0	
9·6	8 3·7	20·9	
9·8	23·2	55·4	
9·2	23·2	51·7	
7·6	29·2	31·5	8·0 G=
9·7	41·7	8·6	
9·7	9 5·2	43·3	
9·7	7·7	43·4	
9·4	9·2	29·6	
9·7	21·7	46·0	
10·2	24·2	27·1	
9·7	30·2	50·0	
10·2	39·2	24·9	
9·7	41·7	43·1	
9·8	49·2	31·3	
9·8	53·7	23·6	
9·6	10 20·7	56·6	
10·2	23·7	46·0	
9·6	26·2	45·5	
10·1	28·2	47·0	
10·0	47·7	25·5	
9·7	48·2	43·1	
10·2	49·2	8·8	
10·2	51·2	29·5	
9·2	51·2	23·1	
10·2	51·2	2·4	
10·0	53·0	58·7	
10·1	11 0·2	25·7	
9·7	12·7	26·5	
8·6	15·2	38·3	7·5 G–
10·2	15·4	37·0	
6·8	16·2	23·8	6·5 GS=t
8·8	21·7	19·6	9·0 –
8·6	24·2	8·1	8·5 –
9·2	24·7	10·6	9·5
10·2	39·7	20·0	
9·6	43·7	29·5	
9·7	45·2	27·8	
9·8	51·2	27·1	
9·8	12 15·2	52·4	
9·2	18·2	7·1	
10·1	23·2	39·7	
9·4	24·2	38·8	
9·9	25·2	32·7	
10·2	31·7	19·9	
9·6	54·2	48·7	
8·9	59·2	0·9	8·5 =
10·2	13 0·7	33·1	
10·0	5·2	49·5	
10·2	7·2	7·6	
9·6	16·7	14·9	
9·7	17·2	55·6	10·0
9·7	29·2	54·8	
8·8	43·2	56·2	8·5 –
10·2	47·2	21·7	
9·7	49·7	36·6	
10·1	54·2	21·0	
10·2	59·2	48·9	
10·2	14 0·2	38·8	
9·2	0·7	20·0	9·0 =
	+1 17·9	−8·3	

5281—5340.

mag.	12h. m s	—35° '	
9·4	14 2·7	10·2	
9·0	4·2	6·6	9·0
8·0	10·7	30·5	–
9·6	16·2	37·8	
9·8	27·2	33·0	
9·9	29·2	23·1	
10·2	34·7	41·6	
9·4	54·2	25·0	
9·9	58·2	46·7	
9·7	59·2	41·3	
9·4	59·2	20·8	
10·2	15 0·7	2·9	
10·0	9·2	47·6	
9·4	14·2	8·0	
10·2	21·2	27·7	
9·4	23·7	56·3	
9·6	45·2	49·9	
10·2	48·7	54·3	
9·7	51·2	17·1	
9·0	59·2	49·4	
10·2	16 4·2	25·0	
9·0	11·7	36·9	
10·0	14·7	22·2	
9·2	23·0	59·9	
8·9	36·7	8·2	9·0 –
10·0	49·2	7·1	
9·7	54·2	25·8	
9·7	17 2·7	18·8	
10·2	5·2	20·8	
10·2	11·4	2·5	
10·2	14·2	30·2	
10·2	19·7	6·2	
9·6	24·7	23·6	
9·6	31·2	5·4	
9·6	34·7	12·6	
10·2	48·2	35·6	
9·6	50·7	32·3	
10·1	59·7	38·0	
10·2	18 1·7	7·1	
9·9	11·2	48·0	
9·6	15·2	34·9	9·5
10·0	17·7	54·9	
9·2	22·2	53·9	
10·1	33·7	30·9	
10·0	40·2	7·1	
9·8	42·2	43·2	
10·1	43·7	39·0	
9·8	49·9	2·3	
10·2	19 16·1	4·2	
10·2	17·1	48·3	
9·0	19·1	27·6	9·5 =
10·2	24·1	30·7	
10·1	29·1	22·7	
9·6	30·1	4·7	
10·0	33·6	12·5	
10·2	38·6	7·2	
10·2	39·6	30·4	
10·2	49·1	49·0	
10·2	50·6	56·7	
10·2	58·1	49·4	
	+1 18·6	−8·3	

5341—5400.

mag.	12h. m s	—35° '	
10·2	20 0·6	18·7	
9·6	12·6	53·9	
10·2	36·6	18·8	
10·2	59·1	54·5	
9·7	21 5·1	26·7	
10·2	9·1	38·2	
9·6	10·1	3·3	
9·4	14·6	50·1	
9·8	18·6	24·7	
9·4	29·6	36·0	
9·7	33·6	3·1	
8·3	35·1	37·5	
10·2	38·6	22·1	
8·8	22 0·6	14·3	W=
9·6	0·6	32·1	
10·2	3·1	29·9	
9·6	10·6	5·1	
10·0	23·8	0·3	
10·2	24·1	34·7	
9·0	38·1	18·2	9·0 W=
10·1	39·1	57·0	
9·0	45·1	10·8	
10·2	45·1	13·9	
9·6	48·1	1·2	
9·4	50·1	39·0	
10·2	23 5·1	23·8	
8·3	15·1	8·3	8·5 GW=
9·8	17·6	8·0	
9·8	21·1	56·0	
10·1	23·1	45·7	
9·6	25·1	4·0	
9·6	29·6	20·2	
9·7	37·1	40·8	
9·2	45·6	27·7	
9·6	48·6	14·7	
10·0	55·6	6·0	
10·2	58·1	40·1	
8·9	59·6	32·9	8·5 G
10·2	24 25·6	42·0	
9·4	29·1	12·7	
10·2	34·1	55·9	
10·2	40·6	30·4	
10·2	46·6	39·5	
9·7	47·6	59·8	
9·2	25 2·1	14·0	
10·0	13·6	7·9	
10·2	16·6	40·4	
10·1	22·1	32·2	
9·6	24·6	45·6	
9·8	44·1	14·1	
10·1	46·6	22·6	
10·2	49·6	5·6	
9·4	53·8	34·7	
9·6	55·4	43·4	
10·0	58·8	31·9	
10·0	26 4·8	22·8	
10·0	9·5	0·3	
9·8	10·3	28·3	
10·0	13·3	27·4	
10·0	24·3	3·9	
	+1 19·2	−8·3	

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5401—5460.

mag.	12h. m s	—35° ′	
10·0	26 47·8	54·8	
9·4	49·3	34·0	
9·4	57·3	22·8	–
8·4	57·8	41·4	–
10·0	27 8·3	27·1	
9·4	19·3	40·0	
9·2	21·3	33·4	
9·6	25·3	41·8	
9·2	28·3	40·2	9·5
10·0	37·8	28·0	
9·8	39·3	48·2	
9·4	28 4·8	21·1	
8·8	9·3	49·4	8·5 –
10·0	25·8	36·9	
9·6	43·8	10·2	
8·4	57·3	8·0	9·0
10·0	57·4	21·8	
9·4	29 19·3	46·8	
8·7	25·3	8·0	8·8 =
9·4	49·3	42·1	
9·6	54·3	35·0	
10·0	30 0·8	13·8	
9·8	19·3	33·7	
10·0	31·3	13·4	
10·0	34·8	48·5	
10·0	46·3	54·3	
10·0	48·6	2·1	
10·0	48·8	22·1	
10·0	51·8	28·3	
10·0	59·3	23·9	
10·0	31 11·8	21·5	
9·6	14·8	8·3	
9·8	24·3	4·3	
10·0	24·3	18·8	
9·6	37·8	5·2	9·2 –
9·1	50·3	15·1	
10·0	59·0	0·1	
10·0	32 16·3	12·6	
9·4	27·3	14·7	
9·4	39·5	57·1	
9·8	39·8	47·9	
9·6	43·3	39·7	
9·2	44·8	19·9	
9·2	49·3	50·2	
9·4	51·8	34·9	
10·0	53·8	15·9	
9·6	57·3	58·9	
10·0	33 6·3	10·9	
10·0	24·3	22·9	
9·8	25·8	40·4	
9·2	41·3	48·3	
8·9	47·8	49·1	
10·0	52·3	22·8	
9·6	54·3	52·1	
9·2	34 9·7	59·1	
10·0	16·2	27·7	
10·0	21·2	37·9	
10·0	29·2	14·8	
9·2	32·2	31·6	
9·4	55·2	49·6	
25pr.	+1 20·0	−8·3	

5461—5520.

mag.	12h. m s	—35° ′	
10·0	35 6·7	56·2	
9·8	16·7	39·9	
9·8	40·2	27·1	
9·8	58·2	25·0	
9·4	36 10·9	1·2	
9·4	20·2	30·9	
8·7	21·2	46·6	8·5 –
9·0	29·2	19·4	8·0 GW≡
10·0	39·2	19·0	
10·0	40·2	34·7	
10·0	57·2	42·1	
9·8	37 13·2	18·0	
7·2	13·2	39·8	6·5 GS–t
10·0	37·7	46·7	
9·6	42·2	27·5	
8·4	44·7	32·1	8·5 =
10·0	48·2	7·7	
9·4	51·2	33·8	9·0 G
10·0	38 25·2	14·7	
9·4	40·2	14·0	
8·8	46·7	46·0	
8·8	53·7	44·8	
10·0	39 0·2	37·5	
10·0	8·2	48·1	
10·0	49·9	28·8	
9·4	52·4	51·7	
10·0	40 28·4	42·0	
9·4	53·6	2·7	
8·9	56·4	33·8	
9·6	59·4	40·0	
8·2	41 20·2	1·4	8·5 G≥
10·0	25·4	5·0	
10·0	40·9	47·8	
10·0	45·4	0·6	
10·0	48·4	34·1	
8·6	42 0·4	54·1	–
10·0	18·4	18·1	
10·0	24·4	51·0	
10·0	31·4	19·0	
10·0	42·4	16·0	
10·0	43 4·9	24·8	
9·8	6·9	36·4	
9·2	10·4	45·7	
9·8	21·4	44·7	
10·0	29·9	5·6	
9·0	42·4	32·1	
9·0	59·4	25·7	=
10·0	44 5·4	41·8	
8·9	22·9	13·1	9·0 =
10·0	31·4	3·0	
10·0	34·9	31·2	
10·0	38·6	58·0	
10·0	42·9	25·8	
8·9	58·9	23·0	
10·0	45 2·9	40·3	
9·4	7·9	35·7	
10·0	11·7	28·5	
10·0	21·2	32·2	
9·4	25·7	19·9	
8·9	26·7	15·2	9·0 –
	+1 21·1	−8·2	

5521—5580.

mag.	12h. m s	—35° ′	
9·6	45 32·7	24·2	
9·8	45·2	1·1	
10·0	45·7	22·2	
10·0	53·7	13·9	
9·8	57·2	25·1	
8·6	46 4·7	4·2	8·3
9·8	6·2	37·1	
10·0	18·7	21·7	
9·8	20·2	31·1	
9·6	21·2	32·6	
10·0	28·2	40·8	
10·0	32·7	54·6	
9·4	55·2	15·1	
10·0	56·2	49·0	
9·6	47 0·7	45·0	
9·4	3·2	7·1	
10·0	20·2	17·0	
10·0	24·7	18·1	
10·0	26·0	58·4	
10·0	35·7	47·9	
9·6	37·2	28·0	
9·8	40·7	20·0	
9·8	50·7	52·2	
9·8	51·2	48·5	
9·4	48 1·7	58·4	
9·6	10·7	54·1	
8·9	32·7	46·8	
9·8	47·7	27·4	
10·0	50·2	7·1	
10·0	53·7	29·2	
8·4	49 4·7	28·9	9·0 –
9·2	8·7	3·2	
9·2	10·9	42·5	
9·2	25·9	27·0	
9·8	32·9	50·3	
9·2	33·9	43·1	
9·4	49·4	58·2	
8·9	50 5·6	57·9	
10·0	7·9	0·2	
9·8	7·9	18·5	
9·6	14·4	3·9	
10·0	18·0	15·2	
10·0	30·5	3·7	
10·0	30·9	37·3	
10·0	30·9	51·5	
10·0	31·9	57·8	
10·0	52·9	16·7	
10·0	58·9	36·4	
10·0	59·4	47·6	
9·4	59·9	59·5	
9·5	51 4·8	21·9	9·5
9·5	9·3	9·8	
10·0	10·8	12·1	
10·0	41·3	39·3	
9·8	41·8	44·2	
7·2	48·3	35·9	7·5 GS–t
9·2	52·3	19·9	–
9·8	52 1·8	36·2	
9·6	4·8	26·0	
9·5	10·3	15·1	
	+1 21·9	−8·2	

5581—5640.

mag.	12h.–13h. m s	—35° ′	
10·0	52 11·8	44·3	
10·0	14·3	38·4	
10·0	24·3	38·1	
10·0	53 1·8	12·8	
8·7	9·3	34·7	8·5 G
7·6	10·3	30·3	7·0 GS–t
10·0	24·3	1·1	
8·5	39·8	11·8	9·0 –
10·0	40·3	34·9	
8·8	49·3	28·6	9·0
8·5	54 3·3	53·7	–
10·0	5·3	51·2	
10·0	20·3	53·9	
9·4	21·8	36·6	9·0
9·9	43·8	52·0	
9·9	54·9	1·0	
8·2	58·3	26·4	8·2 –
10·0	55 14·3	37·8	
10·0	26·3	27·6	
9·6	42·8	51·8	
9·5	48·3	13·0	9·5
9·2	56 2·3	33·4	9·0 G–
10·0	9·3	42·6	
9·6	20·8	35·0	
10·0	21·7	2·2	
10·0	27·7	1·1	
9·5	50·3	7·2	9·5
9·5	55·3	40·1	
10·0	57 4·8	22·2	
9·9	5·3	20·0	
9·0	30·3	27·7	
9·6	52·3	14·8	
10·0	58 4·1	41·3	
10·0	5·3	58·2	
9·8	12·3	28·2	
9·6	37·8	53·6	
9·8	42·3	48·0	
9·6	54·8	5·0	
9·6	59 22·3	2·0	
9·9	34·1	18·0	
9·4	36·6	31·4	
9·6	45·8	0·2	
9·6	51·1	10·3	
9·8	52·1	45·3	
6·6	58·1	11·4	6·0 GSct
8·8	0 3·1	35·6	S–
10·0	8·1	28·7	
8·9	16·1	53·2	9·0 G
10·0	24·3	1·0	
9·6	26·1	56·2	
10·0	36·1	31·0	
9·8	40·8	2·6	
10·0	50·1	50·0	
9·5	55·1	17·2	
8·9	55·6	43·9	9·0 G
7·5	1 25·1	33·3	7·0 GSgt
10·0	30·1	26·9	
10·0	44·1	8·0	
10·0	2 4·1	39·5	
9·2	14·1	12·9	
	+1 22·7	−8·1	

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5641—5700.

mag.	13h. m	s	—35° ′	
8·5	2	39·1	4·6	9·0
8·1		45·1	29·5	=
9·3		47·1	9·3	
8·2		50·1	51·9	8·0 G—
10·0	3	9·1	35·1	
9·9		19·1	38·4	
9·2		22·1	27·7	9·0
10·0		31·1	29·4	
9·2		45·1	38·5	
9·3		45·6	55·7	
10·0		50·3	0·5	
9·9		54·6	54·0	
9·0		55·6	47·4	
9·8	4	0·1	43·8	
9·2		5·1	7·0	
9·3		17·1	31·0	9·5
10·0		39·6	19·5	
10·0		54·1	45·0	
10·0	5	0·1	33·5	
9·9		1·6	50·5	
9·6		24·1	38·4	
10·0		33·6	45·2	
9·6		33·6	55·2	
10·0		45·1	0·7	
10·0		58·1	5·7	
10·0	6	0·1	19·7	
9·3		0·1	3·8	
9·5		1·6	58·5	
9·6		8·1	53·4	
9·5		10·1	8·8	
10·0		27·6	30·0	
10·0		30·1	51·8	
8·4		43·1	16·9	9·0 GW=
10·0		45·1	19·0	
9·8	7	20·1	42·2	
10·0		30·1	19·0	
10·0		31·6	54·3	
9·4		47·1	51·9	
9·5		55·1	35·3	9·0
10·0		55·1	20·4	
10·0		55·1	27·3	
10·0		55·6	9·4	
7·2	8	9·1	42·5	6·5 GSg
9·8		24·4	35·5	
9·6		29·9	9·1	
9·8		55·4	26·9	
10·0		58·9	43·7	
9·8	9	7·9	22·0	
9·2		8·9	26·8	
9·8		25·4	20·0	
10·0	10	24·5	2·6	
9·8		28·9	43·0	
9·9		29·9	11·8	
10·0		31·1	57·9	
10·0		31·4	7·7	
9·9		32·4	17·9	
9·8		55·9	27·3	
10·0	11	1·4	7·1	
8·8		21·9	38·5	9·5
8·7		29·9	43·1	9·5
25pr.	+1	23·6	—8·0	

5701—5760.

mag.	13h. m	s	—35° ′	
9·4	11	39·1	59·5	
9·5	12	0·9	26·6	
10·0		21·4	12·2	
10·0		34·4	45·0	
9·6		34·4	12·1	
9·9		38·9	40·9	
10·0		42·9	21·6	
9·8		56·9	44·1	
9·0		57·9	39·1	
9·4		59·9	50·5	
9·2	13	9·9	33·7	
9·6		12·9	35·1	
9·9		29·6	23·4	
8·9		39·1	11·7	9·5 —
9·5	14	9·6	5·8	
10·0		12·1	52·5	
9·8		13·1	58·4	
9·6		13·6	12·0	
9·4		23·6	39·9	
9·8		25·1	12·9	
9·3		31·6	5·1	
8·4		33·6	53·6	8·5 G—
9·6		43·6	16·0	
9·9		44·6	13·0	
7·4		45·6	27·2	7·5 GS=
9·6		49·6	21·1	9·5
10·0		49·6	14·8	
10·0		52·4	58·5	
10·0		59·4	20·0	
9·8	15	2·3	54·7	
9·2		9·1	12·9	
8·6		10·4	2·5	9·0 =
10·0		11·8	2·9	
9·9		14·6	0·9	
10·0		20·3	37·6	
10·3		22·1	10·4	
10·0		24·9	50·3	
10·3		26·9	12·8	
10·4		30·9	41·4	
10·0		33·3	26·0	
9·8		39·3	48·8	
10·0		49·3	42·6	
9·6		50·3	15·7	
10·0		50·6	53·0	
8·8		56·6	45·5	9·0
9·0	16	0·3	0·7	
10·3		12·1	32·2	
10·4		14·0	27·8	
10·4		18·4	16·8	
10·3		21·1	25·8	
10·3		29·1	32·2	
9·0	17	8·6	35·4	9·0 —
9·8		31·6	19·8	
9·2		47·1	8·2	8·5 —
10·2	18	18·1	35·1	
9·0		23·1	36·8	9·5
9·0		26·7	56·4	
9·6		38·6	12·6	
9·4		52·1	53·8	
9·6	19	3·0	27·0	
	+1	24·5	—7·9	

5761—5820.

mag.	13h. m	s	—35° ′	
10·0	19	4·0	31·8	
10·3		18·2	0·6	
10·4		22·0	52·7	
10·4		29·0	47·9	
10·4		47·0	19·0	
8·4	20	8·0	58·8	9·0
10·4		9·0	26·3	
9·6		19·0	40·8	
10·2		34·0	46·0	
10·4		47·0	1·0	
9·8		47·5	17·3	
9·0		49·0	16·2	
8·2		50·2	1·2	8·8 GW—
9·8		59·0	44·0	
10·0	21	0·0	12·9	
10·0		20·0	33·6	
9·2		24·5	4·0	9·0 —
10·4		48·1	1·8	
9·4		51·5	56·0	
8·2		59·0	7·6	8·0 G—
10·4	22	7·7	0·6	
10·0		28·0	34·9	
10·4		29·0	32·0	
10·2		55·5	28·8	
10·4		57·3	0·2	
9·0	23	4·0	45·6	
10·4		5·1	1·6	
9·2		8·0	32·8	9·5
9·6		8·0	44·4	
9·8		10·5	33·5	
10·0		11·0	51·2	
10·4		21·0	35·6	
9·6		31·5	40·0	
10·4		40·0	30·4	
10·3		44·0	38·9	
8·6		46·0	31·2	9·0
9·2		49·0	18·0	
9·4		58·0	17·2	
10·0		58·0	43·3	
10·4	24	4·0	14·9	
10·3		4·0	49·7	
10·2		6·0	32·8	
10·4		19·0	12·2	
8·8		23·7	57·8	8·5 G
10·4		40·0	32·1	
10·0		41·5	23·9	
10·4		48·0	28·0	
9·4	25	1·0	42·8	
10·3		18·0	55·9	
10·0		18·1	1·2	
9·4		20·0	47·1	
10·2		21·0	38·8	
9·6		29·0	30·6	
9·8		35·2	58·5	
10·2		38·0	55·2	
10·2		43·5	4·8	
9·6		51·0	52·4	
10·4	26	0·0	31·1	
9·0		19·0	24·6	
9·6		22·5	15·8	
	+1	25·3	—7·8	

5821—5880.

mag.	13h. m	s	—35° ′	
9·6	26	24·0	26·2	
9·0		28·0	57·6	9·5
10·4		30·0	29·8	
10·3		39·0	47·8	
10·4		41·0	40·3	
10·0		45·0	38·5	
10·2		46·5	28·2	
9·6		50·0	7·8	
9·8		54·5	26·3	
9·3	27	9·0	52·9	9·5
10·0		13·5	17·1	
10·4		20·5	3·9	
9·6		22·5	47·8	9·5
10·4		28·0	26·4	
10·0		29·0	42·0	
10·0		45·5	21·1	
9·8		49·0	15·2	
10·4		50·0	18·9	
10·4		50·0	53·1	
9·4		59·5	37·1	9·5
9·6	28	3·0	50·3	8·5 W—
8·2		3·8	0·4	
10·2		8·0	37·6	
10·3		11·0	25·5	
9·6		11·0	48·4	
9·8		11·0	31·2	
10·2		13·0	35·9	
9·3		40·0	37·8	
9·4		43·0	52·9	
9·8	29	7·3	6·0	
9·6		12·8	43·3	
10·4		14·8	15·1	
10·4		21·3	40·7	
10·3		30·8	0·4	
10·4		33·3	24·2	
10·0		43·8	54·7	
8·8		52·8	52·4	8·5
10·4		58·8	42·3	
9·3	30	10·8	4·0	9·5 —
9·8		10·8	5·4	
10·0		13·3	24·1	
9·2		14·8	4·5	9·5
10·4		14·8	46·1	
7·6		19·8	56·0	8·0 GW—
10·0		21·8	15·9	
9·8		30·8	11·2	
10·4		43·8	42·6	
10·3	31	0·8	42·2	
10·4		0·8	39·9	
10·4		8·3	22·2	
9·8		8·8	1·3	
9·2		14·8	11·1	8·5 G
10·2		19·8	55·2	
9·4		26·8	13·1	9·5
9·2		35·3	15·8	9·5
9·6		43·8	56·4	
10·4		45·3	13·3	
10·3		46·8	42·9	
10·4		55·8	0·9	
9·6		58·8	1·0	
	+1	25·8	—7·7	

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5881—5940.

mag.	13h. m	s	−35° '	
9·4	32	2·3	45·9	
10·0		4·3	34·9	
9·2		9·3	38·1	9·5
9·8		11·3	31·9	
7·9		12·8	36·2	7·5 =
10·4		25·8	36·7	
10·0		27·8	2·5	
9·6		40·8	30·7	9·5
9·8		41·3	58·2	
10·4		43·6	18·3	
9·4		58·6	52·9	
9·8	33	5·6	57·2	
10·2		8·6	38·0	
10·4		30·6	31·9	
10·4		31·6	37·4	
9·8		32·1	36·0	
10·2		36·6	21·4	
10·0	34	22·5	1·2	
10·3		27·6	23·7	
10·2		29·6	27·1	
10·0		38·6	1·9	
10·3		42·3	59·0	
9·3		46·1	13·5	
10·4		53·6	38·1	
9·8		56·6	28·1	
10·3	35	0·6	21·3	
10·4		13·1	39·9	
9·2		22·1	24·1	9·0 −
10·2		24·1	42·0	
10·0		28·6	4·1	
10·2		37·1	45·9	
10·0		42·6	3·6	
9·8		46·6	8·8	
9·6		52·6	15·6	
9·3	36	8·6	56·0	
10·3		11·5	59·9	
10·0		14·5	30·0	
10·2		28·5	39·4	
10·4		38·5	10·2	
9·2		43·5	15·5	
9·8		49·5	19·1	
10·4		58·0	32·0	
10·4		58·5	24·9	
8·6		59·0	55·8	8·0 GW=
10·4	37	8·5	9·0	
9·6		8·5	6·3	9·5
9·4		10·5	26·7	
10·0		10·5	3·1	
10·2		12·5	53·2	
10·4		13·5	32·6	
10·4		14·0	30·0	
10·2		18·5	43·3	
9·8		20·5	12·3	
10·0		27·5	46·7	
10·2		41·5	9·2	
10·4		43·5	24·5	
10·3		44·5	2·9	
10·0		51·5	45·7	
8·8	38	8·5	45·2	8·5 G−
10·0		12·0	39·1	
25pr.	+1	26·5	−7·6	

5941—6000.

mag.	13h. m	s	−35° '	
7·7	38	13·5	17·7	7·5 GS=g
10·4		14·5	11·4	
9·8		17·5	53·3	
10·0		19·5	43·7	
9·0		33·5	13·2	9·5
10·3		34·0	0·5	
10·4		46·5	0·6	
10·4		49·3	1·4	
10·3		52·5	23·2	
9·4		56·5	37·3	9·5
10·0		59·3	7·2	
10·4	39	0·3	9·1	
10·4		17·8	57·1	
9·0		28·9	58·8	9·5
8·4		29·3	46·7	8·0 G−
9·6		38·3	53·9	
6·2		39·3	37·5	5·5 GStπ
10·4		58·3	6·2	
10·2	40	21·8	37·9	
7·9		26·4	58·8	=
10·4		28·3	12·0	
10·3		31·8	23·1	
9·6		36·5	24·0	
10·3		38·3	22·6	
10·4		42·8	31·3	
10·4		53·8	22·5	
9·6		55·3	49·0	
9·8	41	0·3	48·2	
9·8		2·5	45·8	
10·4		6·2	18·6	
9·8		12·9	44·6	
10·4		16·9	26·7	
10·0		20·7	5·2	9·5
7·0		43·6	4·4	6·7 GS=t
10·2		55·5	48·0	
10·4	42	15·1	28·6	
8·6		18·3	1·8	8·8 −
10·2		20·1	56·6	
9·0		21·6	33·3	
8·2		23·8	59·0	7·5 GW=
10·4		34·8	0·8	
9·3		45·1	44·5	
10·4		46·6	20·8	
10·4		54·1	4·0	
10·4	43	0·1	58·9	
10·4		8·6	12·2	
9·3		10·6	9·5	
10·4		40·6	5·0	
9·7		58·1	51·9	
9·3	44	9·1	21·9	−
6·8		18·6	48·5	GS−t
9·7		24·1	58·3	
10·0		40·6	55·8	
10·2		46·1	37·2	
10·0		47·1	56·0	
9·7	45	10·1	23·5	
10·4		10·6	29·5	
10·4		14·1	7·9	
10·4		20·6	29·0	
9·0		32·1	59·0	
	+1	27·0	−7·6	

6001—6060.

mag.	13h. m	s	−35° '	
10·4	45	36·0	57·9	
9·7		58·1	14·0	
10·4		59·1	1·5	
10·4	46	2·1	10·8	
9·5		6·1	54·5	
8·8		10·1	44·2	8·5 −
9·0		14·4	1·7	8·5 =
6·6		15·1	2·7	6·0 GStπ
9·8		16·6	9·7	
10·0		36·1	48·7	
10·4		44·1	47·9	
10·0		46·4	0·3	
9·2		49·1	37·6	9·5
9·0		49·1	56·3	8·5
9·0		50·1	15·2	
10·4		51·6	55·1	
9·0		55·1	1·9	
9·7	47	14·1	43·1	
10·4		20·1	20·9	
10·2		42·6	32·1	
9·3		45·1	31·3	9·5
10·4		48·6	54·9	
10·2		59·1	13·0	
10·4	48	7·6	2·7	
8·4		15·1	12·9	9·0 =
10·0		16·6	21·1	
9·0		29·6	16·7	9·5
10·4		31·1	55·7	
9·8		52·1	55·6	
10·4	49	20·1	31·5	
10·4		31·6	42·9	
10·4		45·1	12·9	
10·2	50	6·1	52·7	
9·4		16·1	25·5	
10·4		21·1	27·4	
9·0		35·1	52·1	−
10·4		36·1	4·5	
10·2		55·6	47·0	
9·6	51	0·1	14·9	
10·4		4·6	31·0	
9·8		15·1	33·9	
9·3		30·1	17·1	
10·4		38·1	21·8	
10·0		45·1	16·9	
9·7		48·1	49·7	
9·7		54·6	56·3	
9·2		55·1	44·4	
10·4	52	4·1	16·0	
10·4		9·6	39·4	
9·0		21·1	13·1	9·5
9·2		24·1	15·1	
10·4		27·1	31·7	
9·0		34·1	0·1	8·5 G
10·4		47·1	2·3	
8·6		51·6	10·1	8·0 G−
8·2	53	2·1	24·7	8·0 G
10·4		6·1	32·9	
7·8		6·6	10·7	8·0 G−
9·2		26·6	18·7	8·5 G
9·4		27·6	57·6	9·0 G−
	+1	27·7	−7·4	

6061—6120.

mag.	13h.–14h. m	s	−35° '	
10·4	53	28·1	38·0	
10·2		35·1	32·0	
10·4		39·1	52·7	
10·0		50·0	13·1	
10·0		51·0	27·7	
10·4		51·6	27·1	
10·2	54	20·0	5·1	
10·4		43·5	41·7	
10·4		49·0	17·1	
10·4		50·0	52·7	
6·9		59·5	34·3	W−
9·5	55	0·0	41·6	
10·4		9·5	39·0	
8·6		11·0	11·3	8·0 G
8·7		16·0	15·7	8·5
10·2		18·5	50·3	
9·3		39·0	18·9	
10·2		50·2	1·5	
10·4		56·0	27·9	
10·0	56	0·0	48·0	
8·9		10·0	51·7	8·0 G−
10·2		18·5	23·5	
10·4		27·5	42·4	
10·4		32·0	53·9	
10·4		32·5	6·9	
9·7		34·0	45·0	
10·4		38·5	27·9	
10·4		48·5	28·3	
10·4		51·0	8·3	
9·8		58·0	38·7	
9·8	57	10·0	36·0	
7·6		13·5	2·6	7·5 GS−
9·8		18·5	35·7	
10·4		28·5	58·9	
9·4		52·0	5·8	
9·6		54·5	34·0	
10·4		57·5	11·0	
8·2	58	4·2	56·7	8·5 G−
9·5		5·2	56·9	G
9·5		25·0	28·3	
9·0		29·0	24·9	8·5 G
8·8		31·0	59·7	8·5 G−
8·2		50·0	33·2	8·0 G
10·4		50·0	40·7	
9·4		56·5	15·9	
10·4	59	7·0	26·9	
9·7		7·8	0·2	
9·4		13·0	37·4	
3·4		20·0	45·3	2·0 GSπβ
10·4		30·0	1·3	
9·8		35·0	32·3	
10·4		40·5	56·1	
9·5		45·5	15·1	
9·4		50·0	9·7	9·0
10·4		54·0	10·7	
10·2	0	1·5	43·7	
8·8		1·5	1·6	8·5 −
10·0		10·0	3·1	
10·4		20·5	47·8	
10·2		21·5	12·0	
	+1	28·4	−7·3	

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6121—6180.

mag.	14h. m s	—35° ′	
10·4	0 25·0	27·7	
10·2	34·0	50·9	
10·0	42·0	18·9	
9·6	44·7	58·2	9·5
9·8	50·0	44·3	
9·8	50·0	17·9	
9·8	56·5	29·8	
10·2	1 8·5	32·9	
9·7	14·5	8·7	
10·4	25·0	8·7	
10·4	59·5	15·0	
9·5	2 0·0	13·9	
9·0	2·0	11·6	
9·7	5·5	43·1	
10·4	5·5	27·9	
10·2	9·5	26·5	
10·2	15·3	5·7	
10·4	32·3	30·4	
9·8	38·3	2·9	
10·0	51·3	32·1	
10·0	3 4·3	32·7	
10·2	8·8	48·9	
9·8	9·3	41·6	
10·0	9·8	12·4	
9·5	9·8	27·9	
9·5	10·8	16·0	
9·4	11·8	7·3	
10·0	14·8	36·6	
10·4	19·8	17·8	
9·7	28·3	10·5	
8·4	31·3	40·4	–
10·0	42·3	34·4	
9·0	47·8	16·8	
10·4	55·3	5·9	
10·0	56·8	56·5	
9·0	4 18·8	8·7	9·0
10·4	44·8	33·4	
9·7	52·8	7·0	
8·7	5 0·5	1·2	8·5
10·2	1·3	14·3	
10·4	2·8	8·7	
10·4	6·3	8·8	
10·2	9·8	41·6	
9·7	23·2	12·0	
10·4	28·8	6·8	
10·0	31·4	46·7	
9·8	33·2	2·4	
10·4	37·8	39·3	
9·5	6 0·1	10·0	9·0
9·7	9·6	53·3	
10·4	38·8	19·7	
10·4	39·8	48·3	
10·0	50·8	19·5	
10·2	54·8	45·4	
10·2	7 8·3	28·2	
10·4	8·3	16·5	
10·2–	9·8	54·3	
9·3	10·5	46·7	9·0
9·4	16·5	41·2	8·5 –
9·8	17·0	24·1	
25pr.	+1 29·0	−7·2	

6181—6240.

mag.	14h. m s	—35° ′	
10·0	7 25·0	26·1	
9·4	8 5·5	0·2	9·5
10·0	31·0	3·9	
9·9	45·5	4·0	
9·9	9 15·5	17·8	
9·5	15·5	33·6	
9·7	35·7	52·1	
10·0	48·7	19·4	
9·3	10 9·2	11·9	
9·4	10·2	37·0	
10·0	33·2	11·1	
9·1	41·7	53·9	9·5 –
10·0	43·7	13·6	
10·0	45·7	4·7	
9·4	47·2	38·5	
9·6	59·2	16·7	
8·8	11 0·2	17·8	
8·6	5·7	18·9	
9·0	25·0	58·9	8·5 G
9·6	30·2	0·7	
9·4	46·2	47·1	
9·2	59·2	52·7	
9·1	12 20·2	12·0	
9·8	23·7	10·4	
8·3	38·7	40·7	8·5 –
9·0	40·2	19·9	
9·4	13 11·2	56·0	
8·4	12·2	4·2	8·0 G–
10·0	17·7	15·3	
9·8	25·7	13·8	
9·8	32·2	27·0	
10·0	44·2	53·2	
9·8	52·2	8·6	
9·8	57·2	25·9	
10·0	14 12·2	49·8	
9·4	24·7	34·6	
9·0	29·0	22·8	9·5
9·8	43·5	37·7	
9·2	46·0	33·6	9·5
10·0	54·0	3·7	
9·7	59·5	37·1	
10·0	15 2·8	58·7	
9·5	22·5	0·3	
8·9	30·0	24·3	8·5 W–
8·4	39·0	6·9	8·5 G–
9·0	43·5	15·6	
9·6	54·0	46·3	
9·7	16 9·8	59·2	
9·5	42·0	16·7	
9·6	59·5	4·7	
9·8	17 20·5	42·7	
9·6	22·5	19·4	9·5
10·0	31·0	13·5	
9·4	38·0	2·4	
10·0	41·0	58·3	
9·5	18 17·0	36·2	
9·0	40·5	11·5	8·5
9·9	45·5	42·8	
9·0	56·0	55·9	8·5 G–
9·4	57·0	17·7	
	+1 29·9	−7·0	

6241—6300.

mag.	14h. m s	—35° ′	
9·2	19 0·0	20·2	9·5
9·8	7·3	29·1	
9·7	32·3	17·5	
9·7	33·8	19·9	9·5
10·0	53·3	3·9	
9·4	20 5·3	58·7	
9·9	13·8	11·9	
8·9	17·8	53·3	8·5 G–
10·0	20·8	28·9	
9·7	29·3	54·0	9·5
10·0	48·8	35·1	
9·3	49·8	32·0	9·0
10·0	53·3	6·7	
9·2	21 5·3	57·7	
9·2	27·8	10·2	9·0
9·0	54·8	14·3	9·0
9·9	22 21·3	24·1	
9·8	26·8	35·7	
10·0	42·8	49·0	
9·6	49·8	53·0	9·5
9·7	54·8	48·9	
10·0	23 8·8	13·3	
9·2	8·8	8·5	
9·8	15·3	23·8	
8·4	18·8	53·3	8·7 G–
9·8	20·8	20·9	
9·4	28·8	24·3	9·0
9·5	44·8	46·3	
9·8	46·8	29·3	
9·5	59·8	19·5	
9·8	24 0·8	22·7	
10·0	1·3	36·9	
10·0	13·6	21·5	
9·9	17·6	13·3	
9·9	20·1	18·9	
10·0	28·6	40·3	
10·0	30·1	11·4	
9·0	34·1	39·1	9·5
10·0	25 8·1	6·5	
9·8	13·1	23·1	
9·7	14·6	9·7	
10·0	18·1	26·9	
9·8	19·6	47·5	
9·4	24·1	17·2	
9·8	40·6	44·8	
9·3	26 4·6	43·0	8·5
9·9	8·1	9·1	
9·4	9·6	19·2	9·0
9·9	29·6	14·5	
9·9	47·1	7·9	
9·7	49·6	36·9	
9·9	27 32·1	6·3	
8·5	36·6	34·5	9·0 –
8·9	43·6	35·3	9·0
9·0	57·1	17·3	
9·4	28 8·1	8·8	
8·5	37·4	22·0	9·0
10·0	40·4	40·0	
9·8	52·9	15·2	
10·0	29 13·9	21·0	
	+1 30·8	−6·8	

6301—6360.

mag.	14h. m s	—35° ′	
9·6	29 36·4	34·6	
10·0	43·9	10·0	
9·2	30 3·9	12·0	
9·4	9·9	27·3	
9·9	19·4	31·1	
9·7	22·4	42·4	
9·8	22·9	54·6	
9·0	44·4	28·0	9·0
9·9	44·9	20·1	
10·0	59·9	41·4	
7·7	31 18·9	3·2	7·7 G–t
9·3	25·9	21·4	
9·4–	29·7	12·0	
8·8	36·5	41·2	8·0 G–
10·2	32 6·1	28·1	
10·2	10·1	29·9	
10·2	20·1	43·6	
9·0	25·1	11·0	8·5
6·6	33 21·1	35·7	6·0 GS=
8·8	24·6	37·0	9·0
10·0	30·1	10·1	
9·6	42·1	21·4	
9·4	45·1	56·2	
9·6	47·6	15·4	
10·0	34 8·6	19·0	
9·6	16·5	58·6	
10·2	18·6	10·1	
10·2	24·1	39·1	
9·6	35 4·1	20·3	
9·8	8·1	58·6	
10·2	58·1	24·6	
10·2	36 16·1	56·1	
8·8	31·1	33·3	9·0
9·8	35·1	30·2	
9·8	45·1	49·9	
9·8	45·1	22·8	
10·0	46·6	10·0	
9·8	53·6	39·3	
10·2	37 6·1	2·1	
10·2	12·6	22·0	
10·2	23·6	14·7	
10·2	24·1	34·6	
9·4	30·6	13·1	9·5
7·6	39·1	37·0	7·5 GS=
9·4	40·1	38·5	
10·2	43·6	24·3	
9·8	52·1	8·3	
9·0	38 16·6	55·0	8·8
9·6	26·6	30·9	
10·2	26·6	33·6	
10·2	31·6	8·7	
9·0	37·6	10·0	
10·2	40·1	8·0	
9·0	40·1	12·2	
9·2	45·6	55·6	9·0
10·2	50·1	44·0	
10·2	50·1	49·7	
9·4	51·1	55·3	9·5
10·2	59·6	51·9	
10·2	39 4·1	43·3	
	+1 31·8	−6·5	

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6361—6420.

mag.	14h. m	s	−35° ′	
9.8	39	5.1	20.0	
10.2		15.1	6.5	
10.2		22.1	23.0	
9.6		22.1	51.6	
9.6		43.1	31.2	
10.2		46.6	2.3	
9.8	40	7.6	50.1	
9.6		20.1	16.6	
9.8		30.1	17.7	
9.8		48.5	1.0	
7.7		50.1	19.0	6.9 GS–t
10.2	41	0.7	22.1	
9.4		9.7	3.1	
9.1		17.7	7.0	9.5
7.8		20.0	1.7	8.0 GS–t
9.8		29.7	52.1	
9.6		44.7	31.1	
9.6		49.2	51.0	
10.2		56.7	7.2	
9.4	42	1.7	5.7	
9.3		9.7	6.0	
10.0		9.7	6.3	
9.1		19.7	16.0	
9.4		29.2	43.3	
10.2		29.7	31.6	
9.4		38.7	49.0	
10.2		43.7	30.4	
10.2	43	5.7	56.0	
8.8		14.7	52.0	9.0
9.4		19.7	42.2	
9.4		19.7	22.8	
10.2		26.2	29.7	
10.2		27.7	55.9	
10.2		35.2	26.5	
10.2		53.2	36.4	
8.8		54.2	34.4	
9.8	44	9.7	48.9	
9.8		49.7	13.2	
10.0	45	1.7	34.1	
10.2		10.7	6.2	
10.2		11.2	23.7	
9.8		18.3	57.7	
10.2		22.7	23.1	
10.0		41.7	37.7	
10.2		44.0	58.9	
10.0		49.7	50.1	
9.3		49.7	43.1	9.0
10.2		54.2	35.6	
10.2		57.2	38.7	
9.8	46	1.7	35.5	
9.8		10.2	47.1	
10.2		46.7	33.4	
10.2		49.2	15.2	
8.8	47	4.2	38.4	9.0
9.6		7.7	4.6	
7.7		8.2	55.2	8.0 GS
10.2		11.7	27.4	
8.8		16.7	39.2	9.0
9.6		32.7	9.8	
9.6		40.2	53.4	
25pr.	+1	32.3	−6.3	

6421—6480.

mag.	14h. m	s	−35° ′	
10.2	47	52.2	33.3	
10.2	48	5.2	15.5	
9.3		44.2	27.7	
10.0		49.7	50.5	
9.6		53.7	4.9	
10.0		59.7	54.0	
10.2	49	4.7	43.4	
10.2		7.7	34.3	
8.0		9.7	11.2	8.5 G
9.6		31.7	42.0	
9.8	50	9.7	52.6	
9.6		9.7	46.2	
9.6		15.2	10.9	
9.8		15.7	56.8	
10.0		26.7	52.9	
7.6		27.7	33.6	8.5 G–
10.2		51.2	10.2	
10.2		52.2	40.4	
10.2		57.7	51.7	
10.2	51	9.7	30.4	
9.6		26.7	37.3	
8.8		33.7	13.3	9.0 G
10.0		39.2	9.0	
9.6		45.7	50.7	
10.0		53.7	11.2	
10.0		54.7	19.5	
9.8		57.2	17.0	
8.0	52	11.7	31.8	7.8 G=(1)
10.2		19.7	20.0	
10.2		35.7	28.9	
9.0		44.7	37.2	9.0
10.0		47.0	39.8	
10.2		58.0	21.5	
10.2		58.0	20.9	
9.0		59.5	42.1	9.5
10.2	53	3.0	58.7	
10.2		4.5	14.0	
9.6		5.5	25.9	
8.8		5.5	19.9	–
9.3		11.0	41.4	9.5
10.0		14.0	44.3	
9.4		24.5	39.5	
10.0		28.5	14.3	
9.4		54.0	16.3	
9.6		54.5	39.7	
9.4		57.5	29.7	
10.2	54	1.5	40.9	
10.2		13.0	3.1	
9.8		29.5	40.0	
9.8		44.0	17.9	
9.4		49.5	3.3	
9.1		54.5	49.3	
9.6	55	2.0	21.5	
9.4		11.0	10.6	
9.8		15.5	53.9	
9.8		29.5	28.1	
9.4		29.5	37.7	
10.0		41.5	31.5	
7.4		45.8	27.1	6.5 GS–t
10.2		59.5	24.7	
	+1	33.1	−6.1	

6481—6540.

mag.	14h.–15h. m	s	−35° ′	
10.2	56	1.5	6.5	
10.2		8.5	25.3	
10.2		19.5	19.7	
10.2		30.5	15.3	
8.0		36.6	47.7	8.5 GS
10.2		46.4	58.9	
10.0		49.5	1.7	
8.5		59.8	26.1	9.0 –
10.2	57	4.5	40.5	
9.0		5.0	27.9	9.0
10.2		30.5	20.4	
9.5	58	11.1	36.3	9.0
9.8		14.1	36.9	
9.6		22.6	35.5	
7.2		24.1	46.6	7.0 GSt
9.8		40.6	22.9	
9.8		50.1	0.6	
9.0	59	10.1	48.3	9.0
9.0		14.6	33.0	
9.0		19.3	8.6	9.0
9.6		51.8	17.3	
9.6	0	33.8	39.7	
8.0	1	7.9	57.1	8.0 GS–t
9.0		13.8	25.7	
9.8		33.8	45.0	
7.8		49.8	23.0	7.5 G–
9.6		50.8	1.9	
9.2	2	33.8	11.9	9.0
9.8	3	1.8	31.8	
9.2		4.3	20.1	8.5
9.4		32.8	31.2	
8.6		34.8	46.3	9.0
9.6		55.8	20.3	
9.0		59.8	0.7	7.8 G=
9.8	4	13.8	12.4	
9.2		13.8	26.1	9.0
8.3		38.3	26.5	8.5
6.8	5	14.8	37.1	6.5 GSct
9.8		49.3	52.8	
8.1		55.8	21.7	8.5 –
9.6	6	7.8	55.9	
9.6		11.3	47.3	
9.2		25.3	44.7	9.0
8.7		35.8	45.9	9.0
9.8	7	37.8	29.1	
9.8		40.7	2.9	9.0
9.8	8	19.8	4.5	
9.0		24.3	46.4	
9.2		27.8	13.9	8.5
9.2		35.3	27.5	
9.8		49.8	17.1	
9.4	9	31.3	29.7	9.0
9.8		31.8	30.0	9.5
9.4		37.8	51.3	
9.0	10	1.3	52.8	9.0
9.4		43.3	21.7	9.5
9.8		50.3	59.1	
9.0	11	9.8	54.1	
9.1		28.3	14.8	8.0 –
9.2		50.3	8.8	8.2 –
--	+1	33.9	−5.8	

6541—6600.

mag.	15h. m	s	−35° ′	
9.2	11	50.8	47.7	9.0
9.8	12	55.8	54.5	
9.6	13	3.8	42.5	
9.8		9.2	57.8	
9.8		30.0	31.3	
9.6		35.5	25.2	
9.8		38.5	47.9	
9.1		44.0	17.5	
9.2		50.5	51.4	8.5
6.3		53.0	48.4	4.0 GStπ
9.4	14	4.0	36.1	
9.5		32.5	29.7	
9.0		33.0	42.7	
9.8		48.2	47.2	
9.2	15	17.7	43.7	8.5
9.8		36.2	27.2	
9.8		40.2	30.5	
9.6	16	6.7	13.5	
8.8		10.2	34.1	8.5
9.8		11.2	40.0	
9.8		28.2	23.7	
9.4		44.2	21.9	
7.2		44.2	28.2	7.0 GS–t
9.8		51.2	56.7	
9.8	17	21.7	19.6	
9.8		30.0	40.1	9.5
9.6		33.2	16.5	
7.5		33.2	45.3	8.0 GSt
9.0		53.2	30.8	9.0
9.2	18	28.2	56.5	9.5
9.1		29.7	54.5	8.5
7.6		50.2	20.2	GS–
9.0	19	43.7	47.9	
9.2	20	5.2	8.9	8.8
9.6	21	41.3	20.7	
9.3	22	16.0	40.7	
9.8	23	6.3	34.3	
7.6		6.7	12.5	8.0 G–
9.4		25.8	39.3	
9.2		40.3	13.4	
9.8		41.8	48.1	
9.0		51.8	7.1	8.5 –
9.7	24	19.8	5.3	
9.4		35.3	51.9	
9.7	25	9.0	58.8	9.0
9.7	28	39.7	5.7	
9.6		45.2	8.6	
9.4	29	15.2	53.5	
9.3		49.7	54.0	
9.6	31	8.5	24.8	
9.0		10.2	36.0	8.5
9.6		50.7	14.1	
7.7		57.2	45.8	8.0 GW
9.4	32	1.7	15.1	
9.0		5.7	17.5	
9.6		9.7	24.7	
9.6		22.7	40.6	
7.6		48.7	1.1	7.3 GS–
9.6	34	19.7	31.0	
8.2		29.7	21.3	8.5 W–
	+1	35.0	−5.4	

(1) To both the Washington observations a correction of + 1 min. in R.A. must be applied.

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6601—6660.

mag.	15h. m s	−35° ′	
9·7	35 7·7	46·9	
8·6	46·2	4·5	8·8
9·0	54·7	53·9	9·2 G
9·0	37 34·7	55·3	9·0
9·4	40·2	10·7	9·5
9·2	38 15·2	27·9	
8·1	23·7	29·3	8·5
9·7	47·2	33·9	
9·4	48·2	38·5	
7·2	39 2·2	7·2	7·0 GS
7·6	4·2	7·6	7·5 GS
8·2	51·7	19·6	8·0
8·8	40 3·2	38·4	9·0
8·6	41 10·2	38·5	9·0 G
8·6	33·2	29·2	8·5
9·4	50·7	51·0	
9·2	44 9·2	51·9	9·5
9·0	14·7	55·2	9·5
9·2	25·7	3·3	
9·7	45 2·2	2·3	
9·4	40·2	13·5	
9·3	46 18·4	13·8	8·5 –
8·6	52·6	55·4	8·8
9·0	47 11·6	14·9	9·5
9·7	19·1	11·9	
8·1	45·6	18·4	7·5 GS–
9·0	58·9	3·6	9·0
9·2	48 0·6	25·1	
9·7	13·4	34·2	
9·6	16·1	36·2	
9·1	23·1	22·8	
6·8	59·6	33·5	7·0 GS
6·9	49 14·0	49·2	6·5 GS–
9·2	42·5	50·3	
9·0	50 0·0	10·2	9·5
9·6	20·5	21·7	10·0
9·3	45·0	13·6	9·0
7·8	51 40·0	29·0	8·0 GS–
9·2	50·5	56·4	
9·6	55·5	22·0	
8·0	52 23·5	43·8	8·8
8·3	47·5	38·2	8·5
9·7	53 23·3	59·0	
8·8	54 26·0	27·2	
8·2	38·5	49·9	8·0 G
9·2	42·5	53·9	
9·3	50·5	39·0	
9·4	55 22·5	29·0	
8·8	24·5	1·8	8·0 G
7·9	56 2·0	5·9	7·5 GStπ
9·7	54·5	23·5	
8·2	57 5·0	55·3	8·8
9·0	18·3	18·5	
8·0	21·3	49·4	8·0 G–
8·5	53·8	41·8	9·5
9·1	58 0·8	26·0	
9·6	10·3	55·6	
9·7	31·4	33·9	
9·7	52·8	49·3	
9·7	59 0·8	48·1	
25pr.	+1 36·8	−4·6	

6661—6720.

mag.	15h.–16h. m s	−35° ′	
9·2	59 21·3	28·3	
9·2	29·8	34·8	
9·7	39·3	20·1	
9·7	44·8	20·4	
6·6	54·3	53·7	7·0 GS
9·7	0 6·8	28·1	
9·0	40·3	12·6	
9·1	1 6·8	49·3	
8·4	9·3	9·7	8·5
9·7	11·3	36·7	
9·4	12·8	24·1	
7·8	52·3	18·4	7·5 GS–
9·4	2 20·3	40·1	
9·7	28·5	58·1	
9·0	56·3	34·2	
9·6	3 21·8	10·6	
9·1	22·8	22·3	
9·7	31·3	3·3	9·0
8·4	43·8	16·7	8·5 –
8·4	4 45·8	47·0	8·5
9·7	5 32·8	34·3	
8·6	34·3	28·5	9·0
9·4	55·8	26·5	9·0
9·6	6 1·8	5·3	
9·7	8 12·8	36·1	9·0
9·4	14·8	35·6	9·5
9·3	37·3	38·3	
9·2	9 9·3	38·1	
9·7	10 18·6	50·0	
9·4	28·6	53·8	
8·5	29·1	5·9	8·2
9·2	34·6	18·8	
9·6	11 1·6	24·3	
7·4	7·6	10·8	7·0 GS–
9·4	43·1	34·0	
9·6	53·6	32·8	
8·6	54·9	58·8	8·8
8·6	55·1	54·3	8·8 G
9·6	56·7	28·8	
9·0	12 10·7	22·8	
9·2	29·8	58·9	
9·2	43·7	34·7	9·5
9·0	14 33·2	51·8	9·0
9·4	15 0·7	7·8	9·0
8·5	16 2·7	23·3	9·0
8·8	34·7	47·5	9·0
8·0	49·7	51·2	8·0 GS
10·0	55·7	5·0	
10·0	56·7	22·9	
10·0	17 5·7	32·1	
10·0	17·7	43·6	
9·4	38·2	21·1	
9·1	18 20·1	38·3	
9·6	22·1	32·3	
9·1	25·6	21·5	
9·4	42·1	32·8	
9·8	49·6	12·8	
8·8	19 19·6	10·3	9·5
9·8	25·1	55·1	
10·0	33·6	21·3	
	+1 38·0	−3·9	

6721—6780.

mag.	16h. m s	−35° ′	
8·8	19 39·6	30·0	9·0
10·0	40·6	10·4	
8·5	54·1	29·8	9·0
10·0	20 4·1	0·7	
8·8	32·6	24·4	8·0 G–
8·6	48·6	44·6	9·5
9·0	21 1·1	11·6	8·5 –
9·6	22 0·1	6·3	
10·0	29·1	45·3	9·5
10·0	42·6	1·6	
8·5	50·1	49·8	8·8
9·1	23 6·6	47·3	
9·5	22·1	49·8	9·2
10·0	33·8	21·9	
9·6	39·6	4·3	
9·8	44·1	31·6	
9·0	50·6	30·8	9·5
8·8	57·6	27·2	9·5
10·0	24 4·1	22·0	
9·6	42·6	37·6	
10·0	25 3·1	37·8	
8·0	38·6	16·4	8·0 GStπ
10·0	58·6	54·3	
10·0	26 19·1	41·6	
10·0	28·6	44·7	
8·5	51·1	47·2	8·2
6·8	59·6	27·6	7·0 GStπ
9·1	27 9·1	17·9	9·0
8·8	28 11·6	2·9	9·0
7·0	25·1	39·4	GSt
9·4	30·6	31·5	
9·4	36·1	53·4	8·5
9·8	36·6	46·1	
8·8	29 15·6	56·8	8·8
9·8	42·6	15·1	
10·0	59·5	26·0	
9·0	30 15·5	49·1	8·5
9·0	24·5	49·3	9·0
10·0	28·0	38·6	
9·6	31 8·0	7·0	
8·5	39·5	0·5	9·0 –
9·2	32 18·0	49·9	
7·0	22·0	26·3	7·0 GS–
10·0	59·0	45·8	
10·0	33 0·9	46·1	
9·8	20·5	17·0	
9·6	45·0	22·9	9·0
9·4	59·5	49·7	
9·6	34 22·0	44·4	
8·0	54·5	25·3	8·5 –
10·0	35 30·5	32·2	
10·0	38·0	44·4	
10·0	36 54·3	54·6	
10·0	37 22·9	36·8	
8·6	30·3	38·0	9·0
9·4	45·0	24·2	9·0
8·8	49·5	22·9	9·0 –
9·8	56·8	40·8	
8·8	38 20·6	33·7	
9·2	39 19·3	49·0	9·5
	+1 38·7	−3·3	

6781—6840.

mag.	16h. m s	−35° ′	
9·8	39 44·6	55·9	9·5
10·0	40 6·0	36·6	
8·8	41 30·1	4·5	8·8 G–
10·0	42 10·4	28·2	
9·8	57·4	40·8	
10·0	43 27·9	37·5	
9·2	31·4	31·5	8·5
8·6	42·4	14·6	8·0 –
9·2	57·4	48·6	
10·0	44 34·9	23·1	
10·0	57·9	29·0	
8·9	45 9·4	14·8	9·5
9·4	26·9	15·0	
8·9	49·9	48·8	9·5
10·0	55·4	3·8	
10·0	46 13·4	38·6	
9·8	41·4	44·6	
10·0	44·9	14·0	
10·0	46·4	16·8	
8·8	49·4	37·6	
10·0	47 4·9	46·0	
10·0	23·4	40·4	
10·0	28·9	53·1	
10·0	29·4	45·6	
9·1	38·4	43·2	
9·2	50·9	14·8	
10·0	53·7	59·4	
10·0	59·9	20·4	
8·4	48 0·4	16·8	8·5 –
10·0	18·4	34·9	
10·0	49·9	51·8	
9·4	50·4	58·7	
8·3	49 38·4	32·4	8·5 –
9·4	50 1·4	29·4	9·0 –
9·4	7·4	59·7	
10·0	24·4	11·8	
10·0	40·2	59·0	
9·8	51·4	53·9	
9·8	55·9	22·8	
10·0	51 43·4	35·0	
10·0	57·4	26·6	
9·8	52 15·4	58·4	
7·1	17·9	44·4	6·5 GS
8·6	17·9	33·8	8·5
9·2	17·9	55·6	9·5
9·4	49·1	43·2	
9·4	49·6	39·9	
9·6	53 17·1	11·2	
9·2	31·6	12·3	
9·8	39·6	54·6	
9·6	42·6	35·5	
10·0	54 3·6	31·1	
9·2	6·1	51·8	
10·0	13·1	4·5	
10·0	26·1	2·5	
8·8	39·6	36·6	9·0
10·0	55 19·1	41·7	
10·0	22·1	19·0	
9·8	24·1	52·8	
8·8	37·1	5·6	8·2 –
	+1 39·5	−2·5	

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6841—6900.

mag.	16h.–17h. m s	−35° ′	
10·0	56 15·6	24·9	
8·6	27·6	8·4	8·5 –
8·8	39·1	46·8	9·0
9·4	39·6	4·2	
10·0	57 9·1	27·5	
8·4	17·1	45·2	8·5
9·2	34·1	48·0	9·5
9·4	55·6	47·5	9·5
7·1	58 9·6	16·6	6·5 GS
9·4	19·1	24·0	
9·8	19·1	28·1	
7·4	19·1	54·3	7·5 G
9·4	19·1	43·3	
9·4	19·6	10·2	
9·6	21·6	41·2	
8·3	28·1	42·9	7·7
10·0	30·4	6·3	
9·2	32·6	27·5	
8·2	39·1	12·3	–
8·6	44·6	35·2	8·2
10·0	45·6	22·3	
10·0	54·4	37·6	
8·3	59 0·6	43·2	8·0
10·0	4·1	38·0	
9·8	5·1	21·7	
9·2	8·1	4·8	
9·6	11·6	22·3	
10·0	14·1	20·0	
8·3	16·6	1·9	8·5 –
10·0	17·4	54·0	
9·4	18·9	14·1	
9·6	30·4	27·0	8·5
10·0	37·9	18·6	
10·0	39·4	3·0	
8·3	48·9	28·7	8·0
10·0	0 9·2	0·0	
9·4	26·9	39·5	9·5
9·8	31·4	51·6	
9·4	58·4	4·5	
10·0	1 9·9	5·3	
9·8	28·9	54·6	9·5
9·6	34·9	16·0	
9·8	47·4	15·0	
9·8	48·9	17·8	
10·0	2 20·2	58·1	
10·0	21·9	47·9	
9·6	32·4	17·0	
10·0	44·3	33·8	
10·0	47·4	46·8	
9·6	56·4	59·2	
9·8	3 13·3	40·4	
9·5	14·2	50·6	
9·0	21·8	30·8	9·5
9·5	31·1	53·5	9·5
10·2	48·7	36·1	9·0
9·8	4 11·4	2·4	
10·2	21·2	41·8	
9·4	54·7	10·0	9·2
9·6	5 0·7	54·6	
10·2	29·7	55·4	9·0
25pr.	+1 39·8	−2·2	

6901—6960.

mag.	17h. m s	−35° ′	
8·8	5 29·7	9·2	9·0 W
9·6	47·2	35·7	
10·0	6 9·2	54·9	
10·2	12·7	32·9	
9·6	16·7	38·4	
8·8	38·7	21·0	8·8
8·8	59·2	43·8	8·5
10·2	7 27·7	6·9	
7·1	8 0·7	35·7	6·2 GS–
9·0	32·2	20·2	8·5 W
9·8	38·2	21·2	
10·2	45·7	6·1	
10·2	54·7	30·9	
10·0	59·2	15·9	
8·0	59·7	24·3	8·0 GS–
8·2	9 6·7	23·7	8·0 GS=
9·8	8·2	18·1	
10·2	22·2	11·5	
7·9	26·2	5·1	8·2 GW–
10·2	29·2	21·5	
10·2	35·2	41·7	
10·2	54·2	37·9	
10·2	10 6·7	25·4	
9·6	12·2	18·0	
8·5	15·2	57·0	8·5 –
9·8	21·7	12·3	
10·2	27·7	40·5	
9·4	30·7	26·0	
9·6	33·7	4·5	
8·7	45·7	42·2	8·8
9·8	53·7	45·9	
9·4	11 9·2	34·5	9·0
10·2	22·8	57·9	
9·6	28·6	0·9	
10·2	41·2	48·7	
9·8	49·2	35·7	
9·6	12 2·7	34·5	
9·6	4·4	36·1	
9·1	4·4	41·3	9·0
9·6	28·9	43·9	
9·2	29·4	56·6	9·0
10·0	34·4	26·9	
10·2	54·9	26·8	
8·6	13 5·4	28·2	8·8
8·4	27·4	13·1	8·5 GW–
10·2	51·7	0·3	
9·6	51·9	52·1	9·5
7·9	14 13·4	15·2	8·5 W–
6·9	14·9	47·2	6·7 GS–
9·2	23·4	6·7	9·0
10·0	23·4	10·9	9·0
9·4	32·4	46·4	
9·4	37·4	40·7	9·5
10·2	38·9	20·9	
10·2	40·9	53·8	
10·0	42·9	16·9	
9·5	44·4	51·3	
9·2	15 5·4	4·7	
9·6	44·9	9·9	
9·4	16 13·1	54·8	9·5
	+1 40·1	−1·8	

6961—7020.

mag.	17h. m s	−35° ′	
9·1	16 14·4	43·1	9·0
9·4	17·4	15·9	W
10·2	33·9	36·6	
9·5	37·9	5·8	
9·6	17 2·9	19·2	
8·8	19·4	38·3	8·5 G–
10·2	24·9	40·2	
9·6	27·4	8·0	
9·6	30·4	12·7	9·5
10·0	44·9	13·4	
9·6	59·4	10·3	
10·2	18 16·9	14·9	
9·6	17·9	15·6	
10·2	19·4	33·9	
10·2	26·9	0·9	
9·6	34·4	51·5	
9·8	37·9	55·2	8·8
9·8	19 3·5	2·0	
9·8	18·9	16·7	9·0
10·2	21·6	10·7	
9·6	22·1	43·7	9·2
10·2	31·1	54·6	
10·0	37·1	25·1	
10·2	43·6	48·7	
10·2	45·1	52·0	
10·2	51·6	5·1	
9·8	20 5·1	5·9	
9·4	6·1	18·6	
10·2	7·1	5·5	
9·6	7·2	0·5	
10·0	19·6	14·5	
9·4	31·6	5·8	9·2
10·2	43·6	19·3	
9·6	51·6	39·6	
10·0	53·6	55·9	
9·1	21 8·6	35·0	9·0
8·8	15·6	40·1	8·8 G
9·6	19·1	51·2	
9·6	20·6	31·7	
10·0	30·1	11·4	
9·8	31·9	1·3	
10·2	51·0	32·3	9·0 G
7·8	52·6	45·4	8·2 G=
10·2	56·2	32·9	
10·2	22 18·1	15·9	
9·0	42·1	47·9	8·0 =
10·2	45·7	2·6	
10·2	54·1	39·8	
9·5	59·6	22·0	
10·2	23 0·1	2·8	
9·1	9·9	58·8	8·5 –
10·0	21·1	52·8	9·0
10·2	24·1	32·9	
10·0	29·6	16·0	
9·6	29·6	19·3	
9·4	31·9	0·2	
10·0	38·1	8·0	
10·0	39·1	28·5	
10·2	50·6	28·1	
10·2	53·1	24·2	
	+1 40·3	−1·5	

7021—7080.

mag.	17h. m s	−35° ′	
10·2	23 55·1	52·3	
10·2	59·6	39·7	
9·5	24 2·1	42·0	
9·6	13·7	51·9	9·0
9·2	16·7	5·4	9·0
9·4	23·7	9·7	
9·5	39·2	22·9	
10·2	41·7	21·6	
10·2	42·2	16·1	
10·2	52·2	22·6	
8·8	54·2	32·2	8·8
10·0	56·7	48·9	
10·2	58·7	8·6	
10·2	58·7	34·2	
10·2	25 15·7	45·9	
10·2	17·2	41·8	
8·8	18·2	40·4	8·8
9·2	19·2	32·7	9·0
10·2	28·2	56·7	
9·8	34·2	27·0	
9·8	38·2	27·6	
9·8	39·2	51·4	9·0
9·8	40·7	42·5	
9·6	45·2	31·8	9·0
10·2	46·4	13·6	
7·4	50·7	38·6	8·0 G=
10·2	26 1·2	34·2	
10·0	5·0	58·8	
10·0	8·2	10·8	
10·2	25·2	41·8	
9·6	34·7	36·1	
10·2	43·7	47·6	
9·6	53·2	56·7	
9·6	57·7	52·6	9·0
8·8	59·2	26·6	8·2 =
9·5	27 18·7	48·8	
10·0	28 1·5	26·2	9·0
10·2	1·7	48·7	
9·6	3·3	9·1	
9·2	43·3	52·2	
9·6	53·1	50·2	
8·2	59·5	38·7	8·0 ≡
9·6	29 0·3	16·0	
8·2	9·3	15·2	8·2 W–
9·4	11·3	18·4	
9·6	23·3	58·1	
9·1	24·8	20·0	
9·4	36·3	49·0	
9·2	37·3	18·2	9·0
9·4	44·3	31·3	9·0
9·6	58·3	6·7	
9·6	30 12·8	5·0	
8·8	25·3	22·5	9·0 G
9·6	34·8	0·2	
9·6	35·3	59·9	
8·3	35·3	55·0	8·0 –
9·6	40·3	12·2	
9·0	44·3	23·5	9·0
9·0	49·3	52·8	9·0
9·6	49·3	18·9	
	+1 40·4	−1·2	

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7081—7140.

mag.	17h. m s	—35° ′	
9·4	30 52·8	52·0	
9·2	59·8	18·9	9·0
9·2	31 0·3	10·6	
9·6	1·3	29·7	
9·6	4·3	55·6	
9·4	5·3	47·4	
9·6	7·3	9·7	9·0
9·0	9·3	8·7	9·0 W
9·6	9·3	33·2	
9·5	16·3	19·5	
9·5	16·3	49·9	
9·4	17·3	15·3	9·2
9·2	33·4	33·6	
9·6	34·9	28·1	
9·5	39·4	10·0	
9·6	41·4	16·7	
9·6	43·9	6·9	·W
9·6	45·9	15·2	
9·6	49·4	9·0	
8·9	51·9	20·0	8·8
9·6	32 1·9	35·8	
9·4	3·4	47·4	
9·6	10·4	7·5	
8·0	13·4	34·5	G≥
9·1	15·4	17·7	8·5
9·1	18·4	5·0	8·5 GW
9·0	24·9	52·1	9·0
9·6	27·4	47·1	
9·4	29·4	20·5	
9·0	30·4	42·1	
9·4	31·4	3·5	
9·4	31·4	55·2	
9·4	37·4	37·6	
9·6	38·9	47·5	
9·4	39·4	42·2	
9·4	41·4	19·0	
8·8	42·9	51·1	9·5
9·6	55·9	53·0	
9·6	56·4	22·8	
9·2	33 0·4	44·4	
9·6	14·4	34·1	
9·2	18·4	27·3	
9·2	23·9	27·6	
9·6	24·4	51·0	
9·4	29·4	40·6	
9·4	30·4	7·3	
8·8	51·9	46·7	
8·2	54·4	44·1	≥
8·2	59·4	25·9	8·0 GW=
9·6	34 1·4	37·1	
9·6	7·4	55·9	
9·2	13·4	22·3	
9·2	15·9	15·2	9·0 G
9·6	19·4	54·9	
9·6	22·9	3·7	
9·6	28·4	8·8	
9·4	29·4	5·5	
9·6	35·9	19·6	
8·9	37·4	13·9	
9·6	39·4	55·6	
25pr.	+1 40·5	—1·0	

7141—7200.

mag.	17h. m s	—35° ′	
9·6	34 43·4	4·5	
9·0	44·4	8·3	8·5
9·6	44·4	21·5	
9·4	44·9	11·8	
9·6	45·4	53·6	
9·2	49·4	12·8	
9·2	50·4	7·4	
9·6	52·5	59·5	
9·6	56·9	45·6	
9·5	56·9	37·5	
8·8	57·9	7·7	8·5
9·6	35 0·9	36·2	
8·9	1·4	8·0	9·0
9·4	4·0	59·8	
8·5	4·4	14·1	7·0 GW—
9·6	5·4	37·7	
9·4	7·9	27·2	
9·5	8·9	35·2	
9·2	9·4	48·9	
9·1	10·4	36·7	
9·4	15·9	53·6	
9·4	18·9	43·4	
9·6	19·9	2·4	
9·4	22·4	5·5	
9·5	24·4	36·4	
9·6	25·4	59·9	
8·3	29·4	26·2	8·5 GS≡
9·2	31·4	27·1	
9·6	32·9	46·1	
9·4	33·9	49·0	
9·6	37·9	40·8	
9·2	39·4	49·1	
9·6	44·4	55·9	
9·6	49·4	8·1	
9·6	50·9	2·6	
8·7	55·4	37·8	8·5 G
9·4	55·4	9·8	
9·1	59·4	53·8	
9·4	36 0·4	40·6	
9·4	3·4	23·4	
9·2	5·4	26·7	
9·4	13·4	39·2	
9·6	14·7	59·1	
9·6	17·4	39·0	
9·5	19·4	36·1	
9·6	21·4	58·5	
9·6	29·4	5·7	
9·4	34·4	6·3	
9·4	37·9	15·6	
7·8	39·4	28·3	8·0 GS≡
9·6	44·9	52·5	
9·0	51·4	56·0	
9·6	55·9	33·1	
8·8	57·9	7·9	8·5 W
9·5	59·4	29·5	
9·6	59·9	39·9	
9·2	37 0·9	21·1	
9·2	2·9	45·6	
9·2	9·9	9·2	
9·4	17·9	4·3	
	+1 40·5	—0·9	

7201—7260

mag.	17h. m s	—35° ′	
9·6	37 18·9	52·8	
9·6	21·4	34·8	
9·6	21·4	17·0	
9·6	24·9	12·4	
9·6	27·9	56·2	
9·6	33·4	15·4	
9·2	33·4	15·7	
9·6	33·4	4·0	
9·4	34·9	59·2	
9·2	37·4	5·9	
9·6	39·4	15·4	
9·2	40·4	14·2	9·0
9·5	44·4	8·1	
9·2	44·4	14·3	
9·6	45·9	18·2	
9·4	51·4	48·4	
9·6	52·9	50·7	
9·6	59·9	57·2	
9·6	38 0·9	30·7	
8·8	1·4	4·8	
8·9	3·4	2·7	
9·2	6·4	4·0	
9·2	10·7	0·7	
9·6	13·4	33·3	
9·6	19·4	17·4	
9·6	20·4	35·8	
9·6	20·9	42·8	
9·2	25·9	22·7	
9·2	29·4	34·2	
9·6	29·4	26·2	
9·4	31·9	16·7	
9·5	33·4	52·4	
9·2	34·4	41·8	
9·1	35·9	35·1	
9·5	39·9	35·0	
9·4	41·4	18·0	
9·6	42·9	37·5	
9·6	44·9	55·2	
9·2	51·4	14·9	
8·8	51·6	15·5	
9·4	57·1	30·7	
9·1	39 1·1	55·7	9·0
9·6	4·1	39·0	8·0 =
9·4	6·1	29·9	
9·6	6·6	10·9	
9·4	8·6	18·9	
9·5	9·6	13·1	
9·4	12·6	4·5	
9·5	14·6	35·1	
8·6	15·1	45·3	8·0 G
8·0	20·0	10·3	*G*—
9·4	20·5	11·5	
9·2	23·5	9·2	
9·4	24·5	12·5	
9·2	30·0	21·1	
8·6	30·0	58·4	9·2
9·6	30·0	49·8	
9·6	33·5	49·1	
9·2	35·0	40·2	
9·6	36·0	34·1	
	+1 40·5	—0·8	

7261—7320.

mag.	17h. m s	—35° ′	
9·5	39 48·5	46·7	
7·8	50·5	50·8	7·7 GS—
9·4	51·0	11·1	
9·6	54·0	27·1	
8·5	54·0	12·4	*G*
8·6	54·5	29·3	K
9·2	55·0	39·6	
8·9	55·5	19·6	G
9·4	56·0	22·7	
9·5	56·0	39·1	
8·7	58·0	55·9	8·7
9·6	40 0·0	2·1	
9·5	0·0	9·9	
9·6	6·5	18·1	
8·7	9·0	42·2	8·5
9·6	11·0	35·9	
8·9	14·0	17·6	
9·6	16·5	18·4	
9·6	20·0	46·4	
9·2	21·5	35·9	
9·6	25·0	19·0	
7·8	26·5	0·7	7·5 *G*–g
9·6	34·8	0·5	
8·8	39·5	0·7	*G*
9·0	42·5	51·1	
9·4	43·2	59·9	
9·5	45·0	39·6	
9·0	50·0	7·9	
9·6	50·8	55·9	
9·6	41 0·0	6·3	
8·1	6·5	19·9	7·5 GS=
9·6	10·0	10·2	
9·4	14·0	40·8	
9·0	14·5	7·3	*G*
8·9	17·5	55·3	9·0
9·6	18·0	2·8	
9·6	19·8	44·6	
9·6	24·5	47·4	
9·6	28·0	44·7	
9·6	31·5	13·1	
9·4	31·5	51·5	
9·2	34·0	16·4	
9·4	39·0	16·9	
8·4	46·5	6·6	8·0 *G*—
8·6	50·5	18·9	8·0 W
9·6	55·0	17·7	
9·2	58·0	31·1	
8·7	42 0·0	40·1	8·0 —
9·4	0·0	53·0	
9·5	1·0	38·1	
9·6	6·5	46·2	
9·2	9·0	53·0	
8·7	15·5	41·1	8·5
8·1	20·0	29·4	8·0 —
9·2	23·5	43·1	
9·2	31·0	49·2	9·2
9·2	32·5	26·6	
9·6	38·0	19·1	
9·5	40·0	43·9	
9·6	40·0	28·0	
	+1 40·5	—0·7	

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7321—7380.

mag.	17h. m s	−35° ′	
8.2	42 41.0	1.9	7.5 *GS*−
9.6	43.0	34.8	
7.7	44.0	18.3	7.5 GW−
8.7	44.7	1.3	8.5 *G*
8.4	45.5	17.8	9.0 GW
9.5	46.0	25.5	
9.2	47.5	19.9	
9.6	47.5	57.9	
8.5	50.5	51.1	8.0
9.4	52.0	52.1	
9.2	53.0	13.8	9.0
9.6	57.5	14.0	
9.6	59.0	52.1	
9.4	43 5.5	14.1	
9.5	5.5	3.9	
9.4	5.8	24.6	
9.6	9.0	28.6	
9.6	9.0	28.8	
9.5	10.0	6.9	
9.6	11.5	15.6	
9.2	11.5	49.2	
9.4	20.0	43.5	
9.6	21.0	1.1	
9.6	21.0	7.6	
9.4	22.5	32.4	
9.4	23.5	49.5	
8.8	25.5	29.3	
9.4	26.0	49.0	
9.1	26.4	0.8	*G*
9.6	27.8	59.0	
8.8	28.9	3.9	*G*
7.8	29.9	19.6	7.5 GW=
9.6	29.9	54.2	
9.4	31.4	54.1	
8.4	33.9	2.8	8.5 *G*
9.6	48.9	59.2	
9.6	51.7	15.0	
8.8	52.4	13.5	9.0
9.2	52.4	12.7	
9.6	54.9	9.2	
9.1	54.9	56.5	
9.5	58.4	40.6	
9.6	59.0	59.5	
9.4	59.4	10.2	
9.6	59.9	47.5	
9.6	44 4.9	2.2	
9.6	7.9	4.0	
9.5	7.9	33.0	
9.4	11.9	27.6	
9.5	14.9	26.5	
8.7	17.4	28.7	
9.5	20.4	15.1	
9.6	20.9	46.9	
9.6	22.7	59.4	
8.9	23.4	21.7	
9.4	23.9	46.5	
9.6	24.7	31.4	
9.0	29.9	5.1	
9.6	29.9	44.9	
9.6	31.4	46.2	
25pr.	+1 40.5	−0.6	

7381—7440.

mag.	17h. m s	−35° ′	
9.2	44 31.4	37.2	
9.6	32.4	28.7	
7.6	33.4	35.3	7.0 GS=
8.4	33.9	11.6	8.5
9.2	34.4	39.2	
9.4	35.9	12.4	
8.8	40.9	3.6	*G*
9.6	40.9	10.4	
8.7	41.4	7.9	8.5 *G*
9.6	41.7	5.1	
9.4	45.4	15.2	
9.2	47.2	18.8	
9.6	47.2	53.9	
9.6	50.7	27.0	
9.6	51.7	19.7	
9.6	53.7	16.9	
9.2	54.2	5.0	
9.2	54.2	8.7	
9.6	56.2	27.9	
9.6	58.7	45.2	
9.6	45 0.5	7.1	
8.8	4.7	28.7	
9.0	6.2	4.9	
9.6	8.0	57.4	
9.2	9.7	38.4	
9.2	10.2	53.6	
9.1	10.2	31.2	
9.6	10.7	40.1	
9.2	12.7	38.2	
9.6	14.5	25.2	
9.6	16.2	40.1	
9.6	17.7	8.1	
9.6	30.7	21.5	
9.6	34.2	24.4	
9.6	35.0	0.7	
9.6	35.7	16.1	
9.2	35.7	34.7	
8.8	37.2	7.4	*G*
9.2	40.2	25.5	
8.8	40.7	7.9	*G*
9.4	40.7	13.5	
9.5	40.7	11.0	
8.3	41.7	10.4	8.5 *G*
9.4	44.7	58.6	
8.2	47.7	51.2	8.2 =
9.6	47.7	47.2	
9.0	48.7	1.7	
9.5	48.7	44.0	
9.0	49.2	28.7	
9.5	50.7	53.7	
9.6	50.7	33.9	
9.6	51.2	43.1	
9.6	53.7	40.4	
9.4	53.7	33.7	
9.4	53.7	8.4	
9.6	58.7	16.8	
9.6	59.7	22.5	
9.5	59.7	42.2	
9.2	46 1.0	58.4	
9.6	1.2	36.8	
	+1 40.6	−0.5	

7441—7500.

mag.	17h. m s	−35° ′	
9.6	46 1.7	54.4	
9.6	3.7	54.4	
9.4	4.7	26.3	
9.2	4.7	18.1	
9.6	6.2	37.1	
9.5	7.7	27.9	
9.2	7.7	15.0	
9.6	8.2	59.6	
9.5	9.7	13.4	
9.5	9.7	15.7	
9.2	10.7	42.6	
8.2	12.2	28.1	K−
9.6	12.2	38.7	
9.6	12.7	23.7	
9.4	18.7	32.2	
9.6	22.0	58.5	
9.4	22.2	35.0	
9.6	24.7	5.3	
9.6	29.7	8.1	
9.5	29.7	7.9	
9.5	30.2	15.1	
8.2	31.7	3.7	8.0 GS
9.6	33.7	32.8	
8.8	34.7	40.9	
8.8	43.2	44.8	
8.4	46.7	7.3	8.0 *G*
9.2	48.2	26.8	
9.6	49.7	1.7	
9.6	51.7	7.9	
9.6	52.2	40.5	
8.9	57.7	9.2	9.0 *G*
9.6	47 3.7	44.9	
8.7	14.2	42.2	8.5
9.6	14.7	51.2	
9.6	20.2	20.7	
9.2	22.4	0.1	9.0 *G*
8.8	24.7	17.6	9.0
9.0	34.2	16.7	8.5
9.0	34.2	16.2	
9.2	34.2	13.7	
8.2	39.7	1.3	8.0 *GS*
9.2	40.7	35.2	
9.4	41.7	0.4	
9.6	41.7	16.6	
9.6	43.2	17.0	
9.4	43.7	10.4	
9.5	43.7	14.2	
9.6	45.7	20.3	
7.6	47.0	1.6	7.3 *GS*−t
9.6	47.7	9.0	
9.4	49.7	0.1	
8.9	49.7	47.9	
9.6	54.7	24.2	
9.4	57.7	20.7	
9.6	58.7	16.1	
9.2	48 0.7	24.4	
9.6	1.2	45.3	
9.4	1.7	18.2	
9.6	2.2	34.5	
9.5	2.7	56.8	
	+1 40.6	−0.5	

7501—7560.

mag.	17h. m s	−35° ′	
9.6	48 4.7	8.1	
9.4	5.2	16.1	
9.6	5.2	34.3	
9.4	8.7	21.0	
9.2	9.7	23.4	
9.4	10.2	40.6	
9.4	10.7	28.7	
9.5	11.7	24.4	
9.6	12.7	18.0	
9.6	12.7	12.6	
9.6	14.7	27.9	
9.4	15.7	13.0	
9.5	15.7	32.0	
9.0	17.2	16.1	9.5
9.4	17.7	14.1	
9.2	19.7	30.3	
9.5	19.7	12.3	
9.6	20.7	31.6	
9.5	20.7	16.0	
9.2	21.7	14.9	
9.6	23.7	14.6	
9.6	24.2	19.1	
7.8	24.7	10.6	7.8 *G*
9.5	24.7	13.4	
9.5	24.7	21.0	
9.6	25.2	48.7	
9.4	27.7	3.1	
9.5	32.7	12.7	
9.6	32.7	13.8	
9.5	34.2	14.4	
9.2	35.7	14.7	
9.0	38.2	40.0	
9.4	39.7	15.9	
9.2	39.7	12.8	
9.1	39.7	4.2	
9.6	41.7	16.1	
9.4	41.7	13.1	
9.2	42.7	3.4	
9.5	43.7	47.3	
9.6	45.2	25.5	
9.5	45.7	29.1	
9.4	50.7	6.7	
9.2	52.7	8.0	9.5
9.6	53.2	15.7	
9.2	54.2	20.2	
9.6	57.5	0.7	
9.6	59.7	6.2	
9.4	49 0.7	23.9	
9.6	1.7	5.6	
9.2	1.7	4.1	
9.6	4.7	10.9	
9.4	12.7	13.8	
9.6	13.7	51.2	
8.8	15.1	57.2	9.0
9.6	19.1	58.9	
9.2	19.7	34.6	
9.2	19.7	30.2	
9.4	23.7	42.1	
8.8	23.7	15.4	9.0
9.6	24.7	30.7	
	+1 40.6	−0.4	

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7561—7620.

mag.	17h. m	s	−35° ′	
9·2	49	25·7	15·1	
9·2		27·7	24·5	
7·6		30·7	59·4	7·3 GS=
9·6		30·7	20·8	
9·6		33·2	48·0	
9·6		36·7	5·3	
9·6		38·2	52·3	
9·4		38·7	50·8	
9·6		41·2	18·7	
9·6		44·2	8·9	
9·6		44·7	10·2	
9·6		49·7	42·3	
9·2		50·7	48·1	
9·5		51·2	24·9	
9·6	50	1·7	27·2	
8·9		4·7	8·3	8·5
8·7		5·0	2·9	8·2 G
9·6		6·2	4·7	
9·4		8·2	27·0	
9·2		17·2	48·0	
9·6		19·7	34·7	
9·4		19·7	23·3	
9·0		21·2	6·5	8·6
•9·2		22·2	48·1	
9·6		22·7	3·6	
9·4		27·7	23·0	
9·6		33·1	59·0	
9·6		33·2	24·0	
9·1		36·7	18·8	
9·6		40·2	47·1	
9·2		40·5	39·3	
9·6		43·7	10·0	
9·2		44·2	58·2	
9·6		44·7	57·9	
9·6		47·7	44·6	
9·4		49·7	32·9	
9·6		50·2	27·8	
8·2		50·7	59·6	8·2 G
9·6		57·7	29·9	
9·6	51	2·7	31·9	
9·6		4·2	35·0	
9·6		5·7	28·0	
9·2		7·7	7·6	
9·5		9·5	28·0	
9·2		9·7	36·8	
9·6		10·7	19·7	
9·4		10·7	51·5	
9·5		11·2	47·8	
9·0		12·7	25·3	
9·6		17·2	34·0	
9·6		27·7	9·4	
8·9		30·7	47·9	
9·2		31·2	59·5	9·5
9·5		34·1	56·6	
9·2		39·7	16·4	
9·2		39·7	54·9	8·7
8·9		43·7	49·3	9·5
9·6		45·7	16·7	
8·5		47·7	38·1	8·5
8·8		53·7	55·6	9·2
25 pr.	+1	40·6	−0·3	

7621—7680.

mag.	17h. m	s	−35° ′	
9·6	51	55·7	44·5	
9·0		58·7	34·9	
9·6		59·7	49·4	
9·2		59·7	25·0	
8·8	52	4·7	44·1	8·5
9·4		7·2	49·9	
9·6		7·2	25·7	
9·6		12·3	59·9	
9·6		13·7	58·6	
9·6		19·2	41·5	
9·6		19·7	55·9	
9·4		24·7	13·1	
8·9		35·2	37·6	9·0
9·6		39·7	42·0	
9·2		44·4	56·7	
9·6		44·5	22·5	
9·5		46·7	40·1	
9·6		48·6	36·1	
8·4		49·7	19·1	8·5 —
9·6		51·1	23·0	
9·6		54·6	57·1	
9·5		58·6	10·3	
9·1		59·6	44·3	
9·1	53	4·6	20·4	9·0
9·2		4·6	31·2	
9·6		8·6	22·7	
9·2		9·6	41·8	
9·6		10·3	57·1	
8·3		13·4	0·2	8·5 G
9·4		14·4	4·7	
9·4		14·6	34·2	
9·5		15·6	52·9	
9·4		25·8	36·6	
9·2		37·6	8·0	
9·6		37·6	42·0	
8·9		38·8	38·4	
9·6		39·6	34·9	
7·9		41·1	39·7	7·5 G—
9·2		44·4	15·0	
8·8		49·6	32·1	9·0
9·5		51·6	14·6	
9·6		51·6	37·7	
8·8		54·4	33·9	9·0
9·4		54·6	52·1	
9·6		54·6	8·1	
9·4		59·6	39·6	
9·7	54	2·6	30·2	
9·5		4·8	1·7	
9·7		9·6	14·9	
9·7		14·6	22·1	
9·2		19·6	59·6	
9·5*		25·5	57·1	
8·5		29·6	31·5	8·8
9·7		34·6	38·5	
9·5		34·6	53·5	
8·0		49·6	36·6	8·0 G—
9·5		55·4	59·6	
9·5		57·1	15·3	
9·6		58·1	33·6	
8·8		59·2	43·1	9·0 G
	+1	40·6	−0·3	

7681—7740.

mag.	17h. m	s	−35° ′	
9·6	55	8·7	48·0	9·8
9·5		10·2	36·6	
9·7		13·2	28·7	
9·4		20·7	30·5	
9·6		29·7	42·2	
9·3		40·2	37·5	9·0
9·3		44·2	21·1	
9·7		46·7	9·2	
9·7		49·2	22·1	
9·3		49·7	12·8	
9·3		51·2	32·6	
9·3		53·7	59·7	8·4
8·0		56·7	6·4	
9·3	56	3·7	48·9	
9·7		8·7	9·9	
9·1		10·7	30·9	
9·6		24·7	22·5	
7·3		25·2	54·2	6·5 GSet
9·0		25·2	36·4	9·5
9·5		33·7	58·9	
8·2		38·7	24·9	8·2 —
9·7		39·7	16·7	
9·7		47·2	25·8	
9·7		51·2	18·8	
9·1		54·2	10·0	
9·3		57·2	33·4	
9·5	57	11·7	8·2	
9·3		18·7	52·0	
8·4		19·2	40·9	8·0 —
8·8		19·7	18·3	
9·5		39·2	6·8	9·0
9·6		39·7	41·1	
9·1		48·2	47·1	9·0
9·5	58	9·7	33·8	
9·6		10·7	4·9	
9·6		29·2	11·4	
9·0		35·2	48·5	8·8
9·5		35·2	42·2	
9·5		40·2	58·1	
9·2		53·7	17·6	
9·7		59·2	20·8	
8·9	59	3·6	0·0	8·0 G
9·5		7·2	48·3	
9·7		7·7	41·9	
9·3		13·2	41·2	
8·8		18·7	24·0	8·2
9·4		19·7	50·1	
9·7		29·7	54·8	
9·7		30·7	57·0	
8·2		33·1	2·1	8·5 —
9·7		35·2	5·4	9·0
8·8		36·7	28·0	8·2 G—
8·9		38·2	24·9	
9·6		39·7	19·6	
9·7		39·7	35·4	
9·7		41·2	21·2	
8·8		41·7	26·8	8·8
9·7		43·7	37·1	
9·4		46·2	28·4	:
9·7		46·2	14·7	
	+1	40·6	−0·1	

7741—7800.

mag.	17h.–18h. m	s	−35° ′	
9·7	59	50·7	49·0	
9·7		55·2	6·4	
9·4	0	4·7	17·6	
9·0		19·7	48·6	
9·5		20·5	57·4	
9·7		21·7	0·6	
9·6		22·2	35·2	
9·7		31·7	49·8	
9·0		34·2	48·0	9·2
9·5		43·1	1·2	
9·5		50·2	10·4	
9·2		51·8	29·3	
9·2		54·7	56·4	
9·3		59·7	53·2	
8·8	1	0·2	45·4	9·0
8·4		0·7	43·3	7·8 GS—
9·7		4·7	9·0	
9·7		7·7	41·2	
9·7		8·7	10·8	
9·3		8·7	28·6	
9·7		11·2	57·4	
9·7		11·7	32·4	
9·7		11·7	37·4	
9·3		14·7	6·2	
9·7		18·7	36·5	
9·7		29·7	48·8	
9·7		29·7	31·8	
9·7		30·2	26·0	
8·8		36·7	45·4	9·0
8·4		38·2	36·1	8·8
9·3		40·2	15·9	
8·9		41·7	39·1	9·0
8·4		41·7	31·1	8·5
9·7		53·7	47·9	
9·3	2	7·7	43·3	
9·3		9·2	31·4	
9·7		10·7	16·2	
9·7		11·5	57·7	
9·7		11·7	1·1	
8·8		21·7	24·3	9·5
8·8		23·2	29·9	8·5 G
8·8		25·7	19·7	8·5
9·0		48·2	24·5	9·0
9·7		52·2	48·9	
9·6		54·2	57·0	
9·2		54·7	8·1	9·0
9·3		54·7	55·2	
9·7	3	2·2	10·1	
9·5		4·7	30·3	
9·2		11·2	19·0	
9·7		13·7	12·1	
7·6		19·7	2·9	7·3 GS—t
9·3		28·7	49·1	
9·7		29·2	5·1	
9·7		39·7	36·8	
9·2		40·5	56·8	
8·8		49·2	8·0	8·8
9·7		49·7	11·9	
9·2		53·2	51·1	
9·7		58·7	34·3	
	+1	40·6	+0·1	

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7801—7860.

mag.	18h. m s	—35° '	
9.7	4 0.7	11.9	
9.7	12.7	6.3	9.2
9.6	22.2	33.7	
8.3	31.2	14.1	8.5
9.7	48.7	20.9	
9.4	51.7	43.2	
9.5	57.7	43.9	
9.7	5 0.8	58.4	
9.7	5.7	35.5	
9.1	9.7	40.1	
9.7	13.2	22.1	
8.7	20.7	38.2	9.0
9.2	32.2	13.0	9.0
9.7	35.5	21.1	
9.2	39.7	34.0	9.0
9.5	43.7	36.3	9.0
9.7	47.2	45.3	
9.6	48.7	40.3	
8.8	51.7	26.5	8.0 –
9.3	54.7	27.1	
9.7	55.2	3.7	
9.6	6 11.7	4.0	
9.7	21.2	53.0	
9.3	21.2	35.3	
9.7	21.5	8.5	
9.7	26.7	57.9	
8.2	30.7	6.8	7.7 GS–
9.6	44.7	20.3	
8.8	48.7	51.1	8.8 –
9.7	56.4	39.1	
9.5	59.3	58.3	
9.7	7 1.2	24.9	
9.7	5.7	34.3	
8.3	6.7	4.3	7.3 GS–
9.0	10.7	49.9	9.0
9.7	14.7	16.7	
9.1	21.7	48.7	9.2 G
9.7	21.8	58.3	
9.7	24.7	50.1	
7.6	26.2	40.2	7.8 G
8.8	28.7	17.0	
9.4	34.2	59.9	
9.7	39.7	16.1	
9.5	40.7	14.3	
9.7	49.7	32.8	
9.7	49.7	56.1	
8.3	50.7	16.6	6.6 GS–
8.8	54.7	49.5	
9.5	8 1.2	24.6	
9.2	18.7	40.3	
9.2	19.7	48.3	9.0
8.8	26.7	46.2	9.0
9.7	31.7	25.4	
9.6	36.2	7.1	
9.5	51.7	42.0	
9.3	59.7	7.7	
8.4	9 0.7	35.8	8.5
9.3	0.7	5.0	
9.7	3.2	53.8	
9.5	5.2	9.8	
25pr.	+1 40.6	+0.3	

7861—7920.

mag.	18h. m s	—35° '	
9.1	9 7.7	36.7	
9.3	15.7	8.0	
9.3	19.7	32.2	
9.7	21.2	46.2	
9.2	25.7	42.2	
9.3	37.2	40.3	
9.5	39.5	32.5	
9.2	39.5	31.1	
9.3	45.5	55.2	
9.7	59.5	35.9	
8.3	10 0.3	0.8	
8.8	1.5	48.5	9.0
9.7	4.5	9.1	
9.7	9.5	58.5	
8.3	10.5	5.5	
9.5	16.5	9.7	
9.6	19.0	35.9	
9.5	19.0	36.2	
9.7	19.5	15.8	
9.5	28.0	35.8	
8.8	44.0	12.1	
9.2	54.5	15.1	
9.6	11 0.5	9.9	
9.2	5.5	0.2	
9.7	16.0	19.1	
9.7	18.5	24.2	
9.7	19.5	5.0	
9.3	19.5	49.7	
9.3	19.5	30.1	
9.7	21.0	15.1	
9.5	24.5	38.8	
9.7	28.5	6.1	
9.7	29.5	8.9	
9.3	33.5	57.7	
8.5	38.5	56.3	8.5 G–
8.8	43.0	29.3	
9.2	49.5	19.9	
7.3	54.5	28.6	7.0 GS
8.7	59.5	1.8	9.0
9.7	12 2.0	29.6	
9.7	4.5	36.4	
9.7	24.5	33.1	
9.7	30.5	26.2	
9.2	31.0	17.9	
9.3	31.5	52.6	
9.3	33.5	36.1	
9.7	36.0	11.0	
9.5	36.5	37.6	
9.7	43.0	41.6	
9.7	45.5	0.7	
9.3	54.0	10.7	
9.7	54.5	14.9	
9.5	54.5	6.9	
9.5	13 1.5	30.1	
9.7	4.0	21.0	
9.7	9.5	37.0	
9.2	21.5	11.2	
9.5	22.5	8.4	8.0
9.3	23.5	39.5	
8.9	25.0	39.0	
	+1 40.6	+0.4	

7921—7980.

mag.	18h. m s	—35° '	
9.0	13 28.0	34.1	
9.3	29.0	49.7	
9.5	29.5	36.1	
9.7	29.5	23.4	
8.7	29.5	6.1	–
9.0	33.0	30.0	
9.7	35.5	22.4	
9.7	49.5	5.5	
9.3	52.0	28.1	
9.2	14 3.5	51.2	
9.7	15.5	15.1	
9.7	36.2	41.0	
9.7	39.3	1.7	
9.7	49.5	3.6	
9.7	15 7.5	8.8	
8.8	9.5	5.7	
9.7	10.0	12.1	
9.7	29.5	6.5	
9.3	35.5	34.6	
9.7	37.5	19.4	
9.5	39.5	38.8	
8.4	44.5	3.9	7.5 G
9.6	47.8	1.4	
8.4	49.0	49.4	
9.5	49.5	42.2	
9.6	50.0	20.1	
9.7	59.5	34.5	
9.7	16 3.1	0.7	
9.6	10.0	59.1	
8.8	11.5	12.6	8.5
9.3	12.0	26.8	
9.5	12.0	42.0	9.5
9.7	24.9	57.8	
9.3	28.0	17.1	
9.6	49.5	59.6	
9.7	59.5	16.3	
9.7	17 0.0	31.5	
9.6	19.0	59.8	
9.3	28.5	32.1	
9.7	29.5	41.8	
9.7	29.5	6.8	
9.0	39.5	10.2	
9.1	45.5	56.3	9.5
9.1	47.5	33.9	
9.7	50.0	24.6	
9.7	52.0	6.3	
8.6	58.5	22.7	9.5
9.7	59.5	53.9	
9.7	18 13.5	4.3	
9.6	23.5	20.5	
8.3	27.0	21.4	8.5 =
8.3	28.0	26.2	9.0
9.3	33.5	18.6	
9.2	35.4	37.1	
8.7	35.5	24.1	8.0 G–
8.8	39.2	59.1	9.0
9.6	47.0	40.9	
9.7	56.6	54.7	
9.7	58.0	13.3	
9.2	19 15.1	28.5	
	+1 40.5	+0.6	

7981—8040.

mag.	18h. m s	—35° '	
9.8	19 24.8	9.7	
9.2	34.8	46.5	
9.2	35.8	37.1	
9.4	38.5	9.6	
9.8	54.5	31.1	
8.6	58.0	24.8	9.0
9.7	58.0	20.8	
9.8	20 0.0	11.8	
9.4	1.0	23.2	9.5
9.4	7.5	44.0	
9.7	11.6	59.6	
9.8	16.0	51.6	
9.2	39.0	20.3	
9.8	44.8	0.9	
8.4	46.0	39.4	8.5
8.6	21 6.0	50.7	
9.8	10.0	30.1	
9.8	20.0	36.4	
9.2	22.5	26.0	
9.2	26.5	31.4	9.5
9.8	40.0	29.0	
9.8	22 1.5	5.4	
9.8	10.5	4.7	
9.7	13.0	48.3	
9.0	23.5	25.4	
8.2	32.5	24.1	GW
9.2	34.5	10.6	
8.4	35.5	57.0	
9.1	47.0	57.7	
9.4	55.0	8.2	
9.8	55.0	21.2	
9.8	55.0	33.4	
9.4	57.5	44.2	
9.4	23 5.0	4.9	
9.6	18.0	32.0	
9.6	20.0	6.9	
9.1	21.5	21.1	
8.8	26.0	11.0	8.5 G
9.2	28.0	46.8	
9.7	29.0	52.9	
9.2	31.0	11.7	
9.8	31.5	19.0	
9.8	32.0	0.1	
9.7	40.0	43.9	
9.8	40.0	24.7	
9.1	43.5	27.9	
9.7	48.0	7.9	
9.2	54.0	10.6	
9.2	55.0	0.0	
9.8	24 3.0	30.1	
7.9	11.0	26.0	7.5 GS–
9.8	16.0	5.5	
9.7	19.0	38.8	
9.8	30.0	28.2	
9.4	40.0	44.7	
9.5	40.5	27.8	
9.7	42.0	11.2	
9.6	44.9	58.6	
9.8	53.5	2.3	
9.8	58.0	2.4	
	+1 40.5	+0.8	

8041—8100.

mag.	18h. m	s	—35° ′	
9·4	25	1·3	1·9	
9·7		5·0	39·9	
9·1		10·5	51·9	
9·8		11·0	35·3	
9·8		14·5	43·4	
9·8		17·0	26·1	
9·1		21·0	45·1	
8·9		27·0	43·8	
9·8		32·0	5·8	
9·5		34·0	40·0	
9·0		44·0	49·4	
8·7		52·0	30·5	
8·6		53·0	53·0	
9·5		55·0	29·2	
9·7	26	1·5	14·8	
9·2		2·0	51·4	
9·7		5·5	5·8	
9·1		15·0	32·7	
9·4		20·0	42·5	
8·8		24·0	38·4	
9·8		25·5	13·9	
9·2		30·0	12·4	
9·7		35·0	54·9	
9·7		39·0	48·5	
8·9		40·5	8·0	8·5
9·0		40·5	2·0	9·0
9·8		42·5	39·5	
9·2		56·0	3·0	9·5
9·8		56·0	49·0	
9·8	27	0·5	48·2	
9·8		0·5	22·9	
9·8		8·3	59·7	
9·1		12·5	53·1	
8·8		24·0	0·2	9·0
9·8		26·5	53·3	
9·7		27·5	3·5	
8·6		31·5	0·0	8·5 –
9·6		31·5	7·9	
9·8		44·0	17·5	
8·7		48·0	14·3	
9·4		51·0	32·1	
9·8		51·5	34·0	
8·9		55·0	38·0	
9·2		57·0	11·3	
8·2	28	4·0	32·6	7·0 G
9·8		15·0	38·7	
9·8		19·5	46·9	
9·7		21·5	12·9	
9·8		23·5	10·2	
9·8		25·0	22·7	
9·2		39·0	34·8	
9·6		39·0	30·0	
9·2		42·5	12·3	
9·7		45·0	39·7	
9·5		53·0	32·7	
9·8		54·5	31·8	
9·4	29	0·5	51·7	
9·6		0·5	35·3	
9·8		4·5	43·0	
9·0		5·0	3·8	
25pr.	+1	40·5	+1·0	

8101—8160.

mag.	18h. m	s	—35° ′	
9·7	29	10·5	9·0	
9·8		13·5	31·2	
9·8		21·0	18·5	
9·7		23·5	14·0	
9·8		25·5	39·7	
8·7		28·0	47·1	
9·6		29·5	30·5	
9·7		30·0	25·5	
9·4		32·5	38·1	
9·6		33·0	24·8	
9·2		35·0	42·3	
9·4		40·3	2·2	
9·1		45·8	58·2	
9·1		46·0	55·7	
9·6		56·0	45·8	
8·8	30	2·5	55·9	
9·2		3·0	21·3	
9·8		9·5	17·8	
9·8		26·5	33·7	
9·8		37·0	33·2	
9·1		44·5	47·7	
9·8		46·0	3·1	
9·8		50·0	39·1	
9·8		55·0	42·1	
9·7	31	8·0	16·0	
9·0		14·5	43·6	
8·7		19·0	24·0	–
9·6		25·0	20·7	
9·8		28·1	23·4	
9·8		38·0	46·2	
9·8		41·5	57·8	
9·2		43·5	21·6	
9·8		44·0	10·1	
9·2		56·0	13·8	9·5
8·5		58·0	16·1	7·0 G–
8·9		59·0	12·9	8·5 G–
9·7		59·5	36·3	
9·0	32	0·5	23·0	
9·7		1·2	57·3	
9·7		10·0	3·5	
9·8		15·0	39·8	
9·6		20·0	41·1	
9·5		20·5	58·0	
8·6		23·0	11·2	9·0
9·2		28·0	36·9	9·5
8·9		33·5	3·6	
8·4		36·0	13·3	9·0
9·8		36·0	50·0	
9·7		48·5	41·8	
9·4	33	4·5	15·4	
9·8		11·5	47·6	
9·1		26·5	32·5	
9·8		30·0	18·5	
9·2		30·0	42·5	
9·8		34·5	11·5	
9·8		35·5	33·1	
9·8		43·0	44·7	
9·8		45·5	44·5	
9·2		46·0	10·9	
9·8	34	1·0	43·6	
	+1	40·5	+1·2	

8161—8220.

mag.	18h. m	s	—35° ′	
9·8	34	7·0	33·7	
9·2		7·0	9·0	9·5
8·7		10·0	16·1	8·0 G–
8·8		12·5	22·9	9·5
9·8		20·0	15·5	
9·5		22·0	50·5	
9·8		26·0	19·2	
9·8		42·5	21·0	
9·2		59·0	9·7	
9·8		59·5	28·9	
9·2	35	0·0	21·0	
8·8		6·0	45·9	
9·2		25·5	37·4	
9·4		26·0	11·0	
9·2		26·0	43·9	
9·7		30·5	21·9	
9·8		32·5	25·0	
9·8		33·0	59·8	
9·8		34·5	16·1	
9·6		34·5	23·9	
9·5		39·5	33·1	
9·5		43·5	8·4	
9·8		55·0	40·2	
5·4		57·5	45·7	5·0 GStπ
9·8	36	0·0	48·9	
9·7		0·0	3·9	
9·0		2·0	19·9	
9·6		10·0	27·8	
9·7		14·7	59·9	
9·6		16·5	53·0	
9·0		20·5	40·4	
9·2		23·7	59·3	
9·8		41·2	59·7	
9·2		46·0	5·5	
9·2		46·0	15·3	
9·2		54·5	6·3	9·0
8·0		55·0	58·8	7·0 GS=
8·7		57·5	36·3	9·0 G
9·8	37	0·0	3·5	
9·4		1·0	36·3	
9·2		2·0	10·3	
9·7		31·0	13·7	
9·6		31·5	22·1	
9·8		33·5	23·5	
9·4		44·5	8·9	
9·4		45·0	42·1	
9·8		50·0	42·2	
8·7		56·2	59·3	9·0 G
9·7		59·0	8·9	
9·8	38	13·0	17·9	
9·8		20·0	32·7	
9·7		43·5	25·5	
9·0		45·5	51·6	–
9·8		55·5	57·9	
9·6	39	0·5	35·5	
9·7		3·5	46·0	
9·4		6·5	10·7	
9·2		8·5	44·5	
9·2		26·5	46·6	
8·4		30·0	37·8	8·0 G
	+1	40·4	+1·3	

8221—8280.

mag.	18h. m	s	—35° ′	
9·2	39	38·0	30·9	
9·8		40·0	5·6	
9·5		47·0	21·5	
9·8		50·0	43·5	
9·5		52·5	7·8	
9·4		53·1	37·1	
9·4		54·0	43·2	
9·8	40	5·1	54·2	
9·2		8·5	18·9	
9·7		10·0	6·6	
9·5		12·0	28·9	
9·4		22·0	26·8	
9·0		25·5	45·8	–
9·2		58·0	17·5	
8·6	41	5·0	10·3	8·5 G
9·0		25·5	9·7	9·5
9·8		30·5	11·2	
9·5		38·0	12·6	
9·2		49·8	1·7	
9·4		55·0	48·3	–
9·4	42	23·0	37·0	
9·7		24·2	58·5	
9·8		34·5	12·8	
9·0		38·0	5·6	
9·7		38·5	15·9	
9·1		40·0	20·0	
9·4		40·3	0·0	
9·7		42·5	39·9	
9·2		46·5	3·1	
9·2		55·0	13·1	
9·6	43	0·0	40·8	
9·5		5·0	49·0	
8·4		10·0	5·9	9·0 G–
9·8		14·0	11·1	
9·8		15·5	41·0	
8·4		17·2	31·5	
9·8		31·7	56·3	
9·7		39·8	27·9	
9·6		39·8	33·9	
9·8		50·2	54·0	
8·8		54·4	17·7	8·0 G
8·0		56·4	46·1	8·0 G–
9·8	44	11·8	55·6	
9·1		19·8	25·9	
9·6		25·8	32·1	
8·0		29·8	11·4	8·0 G–
9·8		31·8	26·7	
9·6		37·8	36·3	
9·6		46·3	27·1	
9·4		49·8	31·9	
9·6		50·0	42·6	
10·2		50·0	39·1	
9·6		50·2	13·3	
10·0	45	35·5	3·0	
9·8		39·8	1·8	
9·3		49·3	53·3	9·0 –
8·9	46	3·8	18·7	9·5
9·6		29·3	31·2	
10·2		32·4	52·9	
8·9		34·3	53·0	8·5
	+1	40·2	+1·6	

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8281—8340.

mag.	18h. m	s	—35° ′	
10·0	46	39·3	42·0	
8·3		41·3	16·4	8·5 G
10·2		47·3	37·7	
10·2	47	13·8	4·0	
9·8		27·8	16·0	
10·2		31·4	2·2	
10·2		34·3	54·8	
10·1		39·8	6·2	
10·2		40·3	30·9	
9·3	48	26·8	27·4	–
10·1		35·8	19·0	
10·0		39·3	11·0	
9·9		55·8	17·0	
9·6	49	8·8	21·0	
9·6		20·3	24·7	
9·7		30·3	3·0	
9·8		30·3	40·5	
9·6		30·8	42·6	
9·3		40·3	30·2	
10·2		40·3	3·4	
9·6		40·8	17·4	9·0
9·0		43·3	54·4	8·5
9·8		44·3	9·0	
9·6		45·8	24·0	
10·2		52·8	54·0	
9·8		53·3	26·4	
9·9		53·8	58·5	
10·2		54·3	46·6	
10·0		56·8	14·0	
9·0		59·3	2·2	
10·2	50	9·8	47·8	
9·7		9·8	46·5	
10·2		23·3	0·4	
9·9		33·3	0·0	
9·7		36·8	31·2	
10·1		38·9	2·0	
9·7	51	4·3	48·7	
9·7		16·1	59·6	
9·8		16·8	20·6	
9·9		19·8	55·0	
9·9		19·8	41·9	
10·2		35·3	40·1	
8·5		50·8	4·8	8·5 G
10·1		54·3	38·8	
9·8		58·8	17·0	
9·7	52	2·3	17·0	
10·2		3·8	32·9	
9·8		12·3	9·9	
10·1		25·3	18·7	
9·9		26·8	29·2	
10·1		29·3	9·3	
8·6		31·8	3·0	8·2 G
9·6		34·3	54·1	–
10·2		45·3	24·0	
10·2		55·3	25·1	
10·1		56·8	43·8	
9·4		59·3	12·0	
10·2	53	1·3	15·0	
10·2		3·3	58·0	
8·9		3·8	3·8	9·2
25pr	+1	40·1	+1·8	

8341—8400.

mag.	18h. m	s	—35° ′	
8·7	53	5·3	12·7	9·0
9·4		10·3	11·7	9·5
9·6		10·3	51·8	
9·7		15·3	18·8	
10·2		20·3	23·6	
9·2		21·8	38·0	
10·2		29·8	42·0	
10·1		38·3	54·1	
9·4		43·8	37·2	
9·0		45·3	53·8	
9·7		50·0	40·7	
10·0		50·0	30·4	
8·1		50·5	10·8	7·3 G
8·7		50·5	30·1	
9·8	54	3·5	4·2	
10·2		3·6	0·2	
10·2		4·0	10·9	
8·5		7·5	19·2	8·5
9·2		11·5	27·2	
9·6		16·0	22·5	
9·6		16·0	41·1	
10·1		21·7	58·9	
9·4		39·5	45·0	
10·2		41·5	56·3	
10·2		45·5	47·8	
10·0		45·5	45·9	
9·6		47·5	25·0	
9·2		48·5	33·7	
9·8	55	1·5	14·0	
10·0		9·0	33·8	
8·6		21·5	4·8	8·0 G–
10·2		32·0	32·1	
10·0		32·2	57·9	
10·2		34·5	42·6	
9·6		34·5	29·1	
10·2		39·5	9·5	
10·2		42·0	25·9	
10·1		47·0	18·8	
8·9		50·0	16·4	
10·2		51·5	18·3	
9·0		55·5	32·6	9·5 G–
9·6		58·0	3·6	
10·1	56	8·5	56·4	
9·4		20·0	38·5	9·5
10·0		20·5	57·1	
10·2		29·9	33·0	
9·9		30·0	44·1	
10·2		40·0	20·3	
10·2		40·0	42·4	
10·2		49·9	28·9	
9·0		52·0	42·7	
9·4		53·5	43·6	
10·2		53·7	17·9	
10·2		55·5	7·2	
9·4	57	1·0	4·2	
10·2		2·5	40·0	
10·1		10·0	33·7	
8·9		18·5	33·2	–
9·8		19·5	47·7	
9·6		21·5	48·2	
	+1	39·9	+2·0	

8401—8460.

mag.	18h.–19h. m	s	—35° ′	
10·2	57	22·7	41·2	
9·7		30·8	58·0	
10·2		34·0	0·8	
9·7		36·5	1·6	
8·7		38·5	46·9	9·0 –
10·2		43·0	40·4	
9·6	58	2·0	12·5	
9·9		8·5	12·1	
10·2		16·0	12·0	
9·7		19·0	3·6	
9·6		19·5	19·0	
10·2		29·5	11·4	
10·2		34·5	16·5	
10·2		35·5	42·8	
10·2		35·5	40·8	
9·0		49·0	47·5	
8·8	59	0·5	48·8	–
10·2		4·5	44·4	
9·6		11·0	49·8	
10·2		30·5	6·4	
9·4		32·5	43·0	
10·1		36·5	6·8	
9·9		39·7	57·2	
10·2		44·5	3·6	
8·9		49·5	43·8	
9·7	0	2·0	54·9	
10·2		9·0	43·6	
10·2		10·5	17·0	
9·6		15·5	19·8	9·5
10·2		17·0	15·0	
10·1		20·5	12·6	
8·8		24·0	37·0	9·0
10·1		33·5	6·1	
10·2		35·5	30·8	
9·9		38·0	26·4	
10·2		38·0	24·8	
8·9		42·0	13·8	
10·2		45·9	27·6	
9·3		52·5	15·2	
10·2		57·5	48·9	
9·2	1	25·5	7·0	
10·2		25·5	32·9	
9·8		26·5	22·8	
10·2		28·0	24·7	
9·3		29·5	6·1	
9·8		37·0	43·6	
9·6		49·7	57·7	
9·6	2	11·0	51·7	
10·1		18·5	35·9	
9·4		28·5	31·9	
9·4		29·0	15·1	
10·1		36·5	43·7	
10·1		38·0	49·7	
10·0		43·5	57·2	
9·7		47·5	55·4	
9·6		49·0	10·8	
9·8		50·0	39·8	
9·8		50·0	50·4	
9·1		55·0	6·9	
10·1	3	2·0	40·8	
	+1	39·8	+2·2	

8461—8520.

mag.	19h. m	s	—35° ′	
8·7	3	8·0	6·3	8·0 G–
10·2		35·0	30·6	
10·2		50·0	30·2	
9·4		58·5	9·5	
10·2	4	10·5	34·6	
9·4		14·5	10·5	
9·9		16·5	57·1	
9·4		18·0	37·7	
9·4		30·5	13·5	
10·0		37·5	45·0	
9·6		40·5	5·4	
9·6		40·5	19·0	
10·2		42·8	58·6	
9·8		47·5	20·3	
10·2		57·5	41·2	
9·2		59·7	3·5	
9·4	5	0·7	4·1	
10·2		4·7	15·1	
9·7		6·2	15·3	
9·2		11·2	48·1	9·5
10·2		36·7	6·3	
10·1		45·2	45·9	
9·9	6	0·2	30·7	
10·2		4·2	13·3	
9·6		10·2	34·7	
10·2		11·2	37·7	
9·6		11·7	49·3	
10·2		12·0	33·1	
9·9		17·7	30·2	
10·2		42·7	33·1	
9·6		44·2	29·7	
7·6	7	3·0	1·5	–
10·0		9·7	16·3	
8·9		10·7	22·2	–
10·2		20·7	8·3	
10·0		22·2	49·3	
9·6		30·2	4·9	
9·4		47·7	58·8	
9·6		50·2	17·7	
10·2		51·2	54·7	
10·1		55·2	14·7	
10·0		59·7	32·1	
10·1	8	30·7	9·5	
10·2		31·1	57·5	
9·6		35·2	8·3	
9·9		38·7	26·1	
10·1		39·7	37·1	
8·9		41·0	0·4	
8·7		41·2	24·1	–
10·0		59·3	1·3	
8·2	9	0·5	10·6	8·5
10·1		14·2	31·7	
10·1		22·7	55·5	
8·9		38·2	9·7	9·0
10·0		49·7	35·3	
9·6	10	8·7	25·9	
10·0		10·2	48·4	
9·4		21·7	25·1	9·0
9·2		30·2	37·8	
9·2		30·7	41·8	
	+1	39·6	+2·4	

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8521—8580.

mag.	19ʰ. m s	—35° ′	
10·0	10 45·2	23·3	
9·8	56·2	43·9	
9·6	56·2	27·4	
10·0	11 1·2	19·2	
8·8	10·2	52·1	
8·3	12·7	13·6	8·5
10·0	14·2	14·7	
6·2	23·2	38·6	6·0 GS–
9·6	38·3	57·6	
10·0	52·2	52·2	
10·0	12 6·2	56·5	
9·4	6·2	34·0	
10·0	11·7	27·9	
9·6	13·2	7·4	
10·0	32·2	47·0	
9·8	35·2	53·6	
10·0	35·2	14·8	
10·0	45·7	39·9	–
9·8	13 6·3	24·7	
9·8	11·2	46·4	
9·2	12·7	37·3	
7·0	14·2	12·6	7·0 GS–
10·0	27·7	19·7	
9·4	29·7	48·8	
9·4	31·2	3·1	
9·4	41·2	55·8	
10·0	50·2	4·1	
10·0	54·2	16·8	
9·8	58·2	15·9	
10·0	14 1·2	42·2	
9·4	28·2	28·6	
9·6	38·7	6·6	
10·0	41·7	21·6	
9·4	45·2	13·5	
8·6	48·2	23·0	8·5 G
10·0	52·7	35·5	
8·8	55·7	37·2	9·0 –
7·9	15 35·2	12·3	7·0 GStπ
10·0	40·2	50·3	
9·2	47·7	49·2	
9·8	48·2	23·8	
9·6	50·2	22·1	
9·8	16 20·2	17·0	
10·0	20·2	55·6	
9·4	40·2	43·2	
8·6	40·2	12·9	9·0
9·8	17 20·2	36·2	
9·6	33·7	10·8	
9·4	36·7	48·0	
10·0	18 10·2	34·1	
9·8	44·7	24·3	9·5
10·0	50·2	19·6	
9·6	19 5·7	9·5	
10·0	51·7	38·2	
8·4	20 6·2	22·7	8·5 GS–
9·8	18·2	53·9	
9·2	18·7	23·0	9·5 S
10·0	27·2	39·8	
10·0	29·7	5·6	
10·0	31·7	11·5	
25pr.	+1 39·4	+2·7	

8581—8640.

mag.	19ʰ. m s	—35° ′	
10·0	21 19·7	5·8	
8·5	23·7	20·1	7·5 GS=
9·4	37·7	11·0	
9·8	22 1·2	6·3	
10·0	11·2	18·0	
9·8	13·7	58·1	
10·0	15·2	11·3	
9·8	41·2	34·3	
9·8	44·2	48·9	
10·0	51·7	43·0	
9·4	54·2	51·1	
8·6	24 18·7	43·0	8·5 –
10·0	40·2	38·9	
9·4	40·4	59·2	
9·4	51·7	6·6	
10·0	25 35·8	58·0	
10·0	48·2	15·4	
10·0	57·2	17·6	
9·4	26 4·2	58·1	9·5
9·1	35·2	44·4	–
10·0	56·5	23·2	
9·6	27 0·2	18·3	
9·8	3·7	21·5	
9·6	16·7	41·1	
10·0	28 12·7	48·0	
9·8	13·2	49·7	
8·8	43·7	6·9	
8·4	29 14·2	30·9	8·0 –
9·8	20·2	10·8	
9·6	35·7	33·7	
10·0	52·2	17·8	
10·0	30 13·2	6·3	
10·0	17·7	9·8	
10·0	26·2	45·4	
10·0	54·2	34·0	
10·0	31 1·7	19·4	
9·8	4·0	29·8	
8·8	4·5	6·4	8·5
9·8	20·5	51·0	
10·0	25·0	31·9	
10·0	41·0	10·9	
9·8	32 16·5	51·8	
10·0	20·0	17·1	
9·8	33 45·0	35·5	
10·0	58·0	32·7	
9·6	34 6·9	39·0	
10·0	27·5	11·5	10·0
10·0	45·5	41·4	
9·8_	50·0	2·8	
8·0	35 39·4	32·3	8·5
9·0	54·2	56·9	
9·1	55·4	16·7	9·0 G
8·6	55·4	22·9	8·8
9·5	36 1·9	51·7	
9·5	7·4	5·4	
8·6	20·4	25·9	8·8
9·2	55·9	25·1	9·5
9·4	37 12·9	24·4	
9·8	21·9	40·0	
9·5	41·4	54·4	
	+1 38·8	+3·2	

8641—8700.

mag.	19ʰ. m s	—35° ′	
9·5	37 42·9	38·4	
9·6	38 4·4	43·3	
9·8	33·4	22·0	
8·3	39 17·9	28·8	7·2 G–
9·8	36·9	6·1	
9·1	44·4	18·2	9·0
9·6	53·9	4·9	
8·7	40 0·4	55·9	9·5
9·8	8·9	39·3	
9·8	33·4	13·6	
9·8	41·4	7·8	
9·8	49·4	29·5	
9·1	54·4	28·6	
9·2	41 4·9	4·0	9·0
9·5	31·4	39·1	
9·6	37·9	22·0	
9·8	53·4	15·6	
9·8	59·4	27·0	
9·8	59·4	35·0	
9·8	42 13·4	57·0	
9·6	23·9	23·9	
9·8	25·4	56·2	
9·3	26·4	23·8	
9·8	29·9	55·6	
9·3	50·4	14·4	
8·9	59·9	29·8	9·5
7·6	43 7·4	37·4	8·0
9·8	7·4	38·9	
9·0	10·9	33·0	
9·1	42·9	29·0	
8·9	44 4·9	24·4	
9·6	9·4	51·8	
8·7	34·6	0·0	
9·8	45 0·4	55·0	
9·8	39·4	2·4	
9·8	53·9	37·8	
9·8	56·7	2·3	
9·8	46 45·4	10·6	
9·4	54·4	41·0	
9·6	47 8·4	52·2	
9·8	29·4	50·3	
9·8	39·4	10·2	
9·3	50·4	10·6	
9·8	54·1	59·4	
9·8	48 4·4	22·2	
8·2	25·9	49·8	9·5
9·4	53·1	0·3	
9·2	57·8	57·2	
9·1	49 4·9	47·4	
9·6	9·6	43·0	
9·4	12·1	6·9	
9·1	13·6	25·8	
9·8	19·1	9·1	
8·0	50 1·6	31·0	7·5 GS–
9·6	22·1	49·9	
9·8	35·1	32·2	
9·5	54·1	1·6	
9·8	51 4·1	34·0	
4·0	35·1	36·7	5·0 GStπ
9·8	37·1	11·7	
	+1 38·2	+3·7	

8701—8760.

mag.	19ʰ—20ʰ. m s	—35° ′	
5·7	51 44·1	2·0	5·5 GStπ
9·5	52 17·1	18·6	
9·8	39·1	35·1	
9·8	46·1	54·3	
9·2	46·1	26·7	
9·6	49·1	23·7	
9·8	50·1	47·0	
9·8	53 33·1	11·0	
8·9	40·1	57·2	
8·6	52·8	2·5	8·2 G–
9·8	54 6·6	33·4	
9·8	14·1	39·3	
8·9	16·6	37·1	9·0 G–
9·8	51·1	29·0	
8·4	58·1	39·9	7·5 G
9·0	55 15·1	53·8	
9·6	20·6	46·9	
9·5	57·1	12·0	
9·3	56 0·1	24·3	
8·3	10·1	41·2	–
9·8	17·1	29·9	
9·8	17·1	56·1	
8·4	29·1	33·7	
9·8	41·1	33·5	
9·3	43·1	27·5	
9·5	57 4·1	28·5	
6·9	21·1	1·2	7·0 GS=
9·8	32·4	26·5	
8·4	32·6	16·1	
9·5	41·6	54·4	
9·8	58 14·1	57·4	
8·9	19·8	26·1	
9·6	39·3	49·9	
9·8	59·8	17·8	
8·4	59 11·6	17·7	
7·7	12·1	53·3	7·5 GS
9·8	24·1	55·8	
9·8	27·6	33·7	
8·4	28·1	3·7	9·0
9·8	43·8	33·1	
8·0	0 3·3	7·7	
9·8	4·1	9·5	
9·3	9·6	24·5	
9·8	10·7	33·3	
9·8	29·1	6·9	
10·0	53·4	44·0	
8·4	1 8·9	2·3	
10·1	10·4	37·1	
7·8	19·4	31·5	8·0
9·5	33·9	38·7	
7·5	48·4	58·1	7·5 –
7·5	53·9	41·9	7·5 –
10·0	53·9	49·1	
9·5	2 19·3	0·4	
9·0	41·3	44·7	
10·1	43·3	47·7	
8·7	48·3	8·1	
9·5	3 9·8	39·8	
10·1	18·3	51·9	
9·6	21·8	7·0	
	+1 37·6	+4·1	

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8761—8820.

mag.	20h. m	s	−35° ′	
10·1	4	21·3	31·1	
10·0		26·3	42·0	
10·1		42·8	24·5	
9·5		46·8	16·5	
9·5		47·3	16·3	
10·0		49·3	16·8	
9·8		59·8	33·8	
10·0	5	4·3	2·1	
8·8		19·8	45·0	−
10·1		47·8	47·2	
10·1		53·8	47·1	
9·5		54·3	54·1	
9·2		57·8	4·0	9·0 G
9·8	6	10·3	3·0	−
10·1		23·8	45·0	
9·8		37·4	0·1	
10·1		39·3	30·2	
9·8		39·8	37·6	
9·8		47·8	44·4	
9·0	7	43·8	56·3	
9·0	8	15·3	39·1	9·0
6·8		22·8	34·8	6·5 GS−
8·0		35·8	25·3	8·5
10·1	9	3·3	37·0	
8·8		5·8	46·4	−
10·1		14·8	48·7	
10·1		18·3	43·2	
9·8		29·3	37·2	
9·4		31·8	31·3	
9·2	10	21·3	46·5	
9·4		28·1	24·7	
10·1		34·6	33·5	
8·8		43·6	16·0	8·5
9·4		51·6	55·3	
9·5		54·1	39·3	
9·2		59·1	56·1	
9·4	11	2·6	25·4	
9·6		24·6	37·5	
9·2		28·1	56·4	
10·0	12	1·3	2·3	
9·0		20·1	37·1	
9·0		37·6	32·1	
8·6		47·6	10·0	
10·1		52·6	19·4	
9·0		53·6	13·2	
10·1	14	19·6	14·2	
10·1		23·2	6·1	
10·1		35·6	19·9	
9·2		45·1	9·9	
7·1		58·1	46·4	7·0 GS−
10·1	15	18·6	17·0	
7·7		43·1	31·6	7·5 GS−
9·5		46·1	47·1	
8·8		48·1	22·0	9·0
10·0		50·1	7·7	
9·5	16	4·1	4·8	
8·1		31·1	6·8	8·5 G−
9·5		37·6	26·3	
9·4		38·6	8·3	
10·1		40·1	8·7	
25pr.	+1	36·9	+4·5	

8821—8880.

mag.	20h. m	s	−35° ′	
10·1	17	18·6	47·2	
9·4		25·6	41·7	
9·2		29·1	7·1	G
10·0		43·1	26·3	
9·2		43·1	25·9	
9·4		59·4	38·5	
8·8	18	7·9	37·0	
9·6		29·9	24·8	
10·1		35·9	42·0	
9·5		36·9	4·3	
10·1		45·4	32·0	
9·0		55·4	48·8	
9·4	19	8·4	48·2	
10·1		13·9	53·3	
10·0		20·9	27·9	
10·1		40·4	24·9	
8·8		54·4	48·0	
10·1		59·4	20·4	
9·8	20	17·4	23·0	
10·0		18·4	18·0	
10·1		22·4	58·9	
9·4		27·9	44·9	
9·8		38·9	43·6	
8·7		40·9	6·8	
10·0		45·4	19·0	
8·0		48·4	46·4	WK−
10·0		52·4	14·9	
10·0	21	8·9	38·8	
9·6		13·9	48·0	
9·8		16·4	26·9	
8·9		20·1	2·4	
9·0		27·4	36·6	
10·0		50·9	28·8	
8·6		51·4	9·3	
10·0		55·4	11·1	
9·5	22	4·9	50·5	
8·4		5·9	6·4	
9·0		17·9	46·2	9·0
10·0		23·9	1·3	
9·5		27·9	4·8	
9·8		30·9	14·8	
10·0		34·9	22·4	
10·0		37·4	55·0	
9·4		44·4	47·7	
9·8		54·9	11·8	
10·0		58·9	11·9	
9·4	23	13·7	40·3	
10·1		20·2	59·3	
9·2		37·7	50·5	
8·7		40·7	56·4	
9·4		57·7	40·0	
10·1		58·7	3·5	
9·6		59·2	11·4	
10·1	24	10·3	6·5	
9·5		18·7	28·7	
9·5		47·2	36·9	
9·8		53·2	38·0	
9·4	25	11·2	6·7	
9·8		24·2	26·1	
10·0		24·7	57·9	
	+1	36·2	+4·8	

8881—8940.

mag.	20h. m	s	−35° ′	
9·4	25	57·2	59·5	
9·2	26	1·4	20·6	
9·2		43·9	0·8	
8·4	27	4·4	9·4	−
9·2	28	15·4	31·7	
9·2		40·4	42·0	
9·2		59·4	0·0	
9·2	29	10·4	40·9	
8·5		25·4	10·0	8·5
9·0	30	28·9	44·0	9·0 G
9·2	31	3·4	40·2	
8·2		9·4	51·3	8·5 G
8·5		44·4	41·4	
9·2	32	4·4	26·1	
8·8		16·4	9·3	9·0 G
9·2	34	4·9	6·9	
9·2		11·9	18·5	
9·2		53·9	0·1	
9·2		54·9	51·8	8·5
8·4	35	37·9	58·6	8·0 G−
9·2		47·9	33·4	
9·2		50·4	32·3	
9·2	36	0·4	29·9	
9·2		5·9	13·4	
9·2		31·9	12·7	
9·2		51·9	19·2	
7·4	37	17·4	36·9	7·0 GW
8·5		19·4	43·1	9·0 G
8·9		23·4	25·0	
9·2		28·4	50·8	
8·7		33·9	5·8	9·5 G
8·2		40·4	49·3	8·5 G
9·2		54·4	2·1	
9·2	38	20·4	1·9	
9·0		39·4	32·6	
9·2		59·4	38·3	
8·2	39	21·4	36·3	8·5 GW
8·5	40	5·9	50·7	9·0 G
9·0		11·4	30·8	
8·6		12·9	12·3	9·0 G−
9·2	41	30·4	34·1	
9·2		54·9	39·9	
9·2	42	2·4	14·0	
9·2		33·9	23·0	
9·2		59·4	40·0	
9·2	43	41·4	39·3	
9·0		44·9	19·4	9·0
8·7		59·4	1·7	
9·2	44	15·9	44·3	
9·2		29·4	53·2	
8·6		47·9	38·8	
8·5	45	26·9	7·8	9·0 −
8·8		59·4	50·2	
9·2	46	1·4	46·1	
8·1		8·4	29·7	
8·8		9·4	30·5	
8·9		32·9	28·2	
8·7		54·4	21·0	8·5 G
9·0	49	14·9	54·2	
9·0		18·2	7·6	
	+1	35·2	+5·3	

8941—9000.

mag.	20h.—21h. m	s	−35° ′	
10·0	49	58·0	59·8	
10·0	50	18·0	52·6	
10·0		43·5	7·9	
10·0	51	9·7	57·6	
9·4		12·2	34·0	
9·4		15·7	11·4	
10·0		17·5	52·8	
9·6		25·0	15·9	
10·0		45·0	16·3	
9·4		57·5	21·0	
8·5	52	3·5	18·9	
10·0		24·1	58·8	
9·4		45·0	31·1	
9·2		50·0	51·2	
7·0		50·0	46·5	GS
8·0	53	16·0	26·8	
7·5		25·5	40·1	GS
9·7		35·0	9·0	
9·2		55·5	57·6	
9·8	54	10·0	39·2	
9·4		11·5	8·4	
9·2		27·5	28·0	
8·8		52·5	48·2	8·5
9·2		53·0	17·8	
9·2	55	28·7	53·9	
9·8	56	2·2	44·5	
9·2		25·2	18·1	
9·8		27·2	41·3	
8·9		44·6	0·1	
10·0	57	17·7	26·0	
9·7		41·7	29·0	
10·0	58	20·7	55·0	
10·0		31·7	28·8	
7·4		38·7	7·6	7·0 GS−
9·7	59	2·4	1·2	
8·9		13·2	33·2	8·5 G
9·8		15·2	21·9	
10·0		31·7	24·0	
9·6		54·7	25·2	
10·0		59·7	23·7	
9·4	0	15·2	9·5	
9·7		19·7	51·1	
10·0		31·2	46·4	
9·7		31·7	49·9	
9·6		51·7	12·1	
9·2		55·7	32·3	
10·0	1	3·2	11·6	
10·0		36·6	0·9	
9·7		39·7	44·4	
9·6		40·2	40·3	8·5 G
10·0		45·2	6·1	
8·8		48·7	49·1	
9·8	2	11·2	38·7	
10·0		19·2	21·9	
8·6		51·7	18·9	
9·8	3	9·7	8·5	
9·7		11·7	27·8	
8·8		23·2	29·9	−
9·2		56·7	21·4	
9·2	4	53·7	12·6	
	+1	33·8	+5·9	

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9001—9060.

mag.	21h. m	s	−35° ′	
8·8	5	19·5	20·2	
10·0		23·5	59·1	
8·0		29·5	38·7	GW–
8·8		30·0	36·3	
8·7		31·0	0·2	10·0
10·0		31·0	45·2	
10·0		39·5	51·2	
9·4		47·5	33·1	
9·7		48·0	46·0	
9·6	6	2·0	25·5	
9·4		9·5	48·1	
7·5		29·5	53·3	8·0 GS=
10·0		54·5	47·6	
9·4		55·5	26·1	
10·0		59·5	34·1	
10·0	7	5·0	29·4	
9·2		6·5	34·7	
10·0		13·8	58·5	
9·8		14·5	30·7	
9·8		19·7	57·0	
8·6		25·5	31·2	–
9·4		59·5	1·0	
10·0	8	13·5	57·2	
9·6		19·2	59·7	
10·0		31·5	31·0	
9·6		42·0	50·7	
10·0		42·5	50·4	
9·8		49·5	18·1	
10·0		50·5	1·8	
9·6	9	11·3	58·1	
9·4		29·5	55·7	
10·0		41·5	35·7	
9·4		41·5	37·1	
9·6		54·5	3·9	
9·4	10	11·5	33·1	
10·0		22·5	22·9	
9·6		37·0	50·[illegible]	
9·2		40·5	27·5	
9·4	11	38·5	46·4	
9·2		47·1	57·5	
8·8		58·0	4·6	
8·4	12	26·5	7·2	8·0
9·4		40·5	8·1	
10·0		43·2	28·5	
9·4		56·2	42·9	
10·0		58·7	28·0	
10·0		59·2	13·2	
9·1	13	31·2	57·8	
9·0	14	8·2	50·3	
10·0		25·7	33·6	
9·1		29·7	54·1	
9·2		34·7	31·9	
7·8	15	0·2	26·6	7·5 G–
9·4		12·7	24·0	
10·0		41·2	4·8	
9·2	16	21·2	36·2	
7·0		59·9	30·1	7·5 GS–
6·3	17	37·2	23·4	7·0 GS
9·5	18	1·7	29·5	
9·6		40·7	56·7	
25pr.	+1	33·0	+6·1	

9061—9120.

mag.	21h. m	s	−35° ′	
9·8	19	4·2	38·2	
8·4		13·7	33·5	–
8·1		37·2	26·5	7·5 G–
9·6	20	12·7	25·4	
9·8		13·7	49·1	
9·8	22	0·7	13·6	
9·8		34·2	9·1	
9·8		49·7	21·0	
9·8		50·8	21·3	
9·1	23	31·7	45·6	
9·8		44·7	55·1	
8·8		51·7	39·3	9·0
7·6	24	1·7	37·4	8·0 G–
9·5		7·0	1·6	
9·8		8·7	12·0	
9·1		33·7	15·7	
8·6	25	7·2	9·2	9·0
9·6		7·2	22·8	
9·8		19·7	51·4	
9·1		44·7	4·2	
7·6	26	1·7	29·5	8·0 G–
9·2		5·7	57·5	
9·8		11·7	11·4	
9·2		13·2	58·6	
9·8		35·2	57·2	
9·3		48·2	28·5	8·0
9·1	27	7·2	41·8	
9·8		21·0	37·8	
9·1		21·7	57·5	9·0
9·0		46·7	2·6	
9·5	28	25·2	53·0	
8·4		44·7	44·1	–
9·8		52·0	46·6	
9·3	29	19·2	33·6	
9·8		24·2	51·1	
9·5		24·2	35·2	
9·1		40·7	8·6	
8·6	30	26·2	14·3	=
9·8		39·7	53·0	
8·8		41·7	3·2	
9·5		57·2	4·6	
9·1	31	9·2	25·2	
9·6		10·2	44·6	
9·4		19·2	21·0	
9·0		45·2	34·0	8·5 –
9·2		55·7	31·8	
8·8	32	34·2	8·2	
7·4		55·7	5·8	6·8 GS–
8·5	33	24·2	5·2	7·8 GS–
9·8		40·7	12·8	
9·8	34	30·7	34·9	
9·8		33·7	54·2	
9·6		46·7	31·8	
9·8	35	52·0	40·2	
9·4		55·7	56·0	
9·8		56·7	15·2	
9·8	36	16·2	32·6	
9·1		21·2	36·0	
9·1		27·2	16·9	
9·2		51·7	30·4	
	+1	31·5	+6·6	

9121—9180.

mag.	21h. m	s	−35° ′	
9·8	38	0·2	50·7	
8·8		7·2	25·1	9·0 G
9·3		9·5	58·5	
9·8		13·2	30·8	
9·8		20·7	2·1	
9·6		37·4	2·3	
9·8		44·2	44·9	
9·6		47·0	23·9	
9·4		58·2	20·8	
9·5	39	19·2	55·4	
8·2		31·7	15·7	9·0 –
9·8	40	9·7	30·5	
9·8		29·2	21·0	
9·8		54·7	12·5	
9·1	41	12·7	46·9	8·5 –
9·8		41·7	48·4	
9·2		56·9	24·3	
9·4	42	3·0	29·3	
9·9		10·0	53·1	
9·9		59·0	39·4	
9·9	43	1·0	40·2	
9·9		59·0	6·8	
9·4	44	23·5	37·1	9·0 GW–
9·4		33·7	57·1	
9·9	45	11·5	16·6	
8·2		40·6	27·0	–
9·4		57·6	49·8	
9·8	47	32·6	47·1	
8·6		40·6	12·9	9·0
8·4		53·6	14·1	8·0 =
9·4		58·6	44·7	
8·4		58·6	5·6	9·0 G
9·2	48	14·6	36·0	
9·8		49·1	42·4	
9·2		52·6	19·1	
9·8	49	8·6	7·3	
7·0		28·6	57·2	7·0 GS
8·8	50	0·1	27·5	
8·2		36·6	39·0	8·5 –
8·6	51	9·1	46·6	9·0 –
9·9		29·1	56·4	
9·9		30·7	23·7	
9·9	52	26·1	51·2	
8·4		27·6	41·8	8·5 G–
8·9		29·1	8·8	8·0
9·2		33·1	35·1	
8·8		34·6	15·3	
8·9	53	52·1	41·1	
9·9	54	43·1	21·3	
9·9	55	2·1	41·2	
9·9		35·1	48·0	
9·2		54·6	22·8	9·0 –
9·6	56	32·6	9·4	
9·2	57	9·6	40·5	
8·6		39·6	46·9	8·0 –
9·8		58·6	53·1	
8·8		59·1	46·1	8·0 –
9·9	58	24·6	24·9	
9·6		38·6	25·1	
9·0		40·4	0·4	8·3 G–
	+1	29·8	+7·0	

9181—9240.

mag.	21h.–22h. m	s	−35° ′	
9·9	59	13·6	1·0	
9·9		20·6	24·3	
8·8		42·1	48·8	8·2 =
9·2	0	30·1	38·1	9·5 G
7·8		59·1	9·8	7·0 GS–
9·4	1	6·6	36·1	
9·9		18·6	2·5	
9·9		20·6	59·2	
9·0		51·1	22·8	9·0
9·0	2	16·6	23·2	9·0
9·8	3	7·1	37·8	
8·9	4	6·1	33·1	9·2 G
6·8		19·6	4·7	6·8 GS–
9·6		22·6	46·9	
9·8		44·1	53·3	
9·9	5	0·6	11·5	
7·4	6	34·8	22·7	8·0
10·2		53·8	17·9	
9·7	7	31·8	20·7	
10·2		59·8	51·3	
10·0	8	29·6	59·9	
9·7		31·8	32·1	
9·8	9	8·8	43·1	
8·4		11·8	48·5	
9·8		35·8	23·5	
7·6		53·3	22·9	7·0 GS
9·1	10	29·8	23·3	10·0
10·2		53·8	37·4	
10·2		58·3	21·1	
8·3	11	1·8	11·5	
9·4		3·8	12·6	
9·8		5·8	56·7	
10·0	12	45·8	16·6	
7·7	13	30·3	8·6	7·0 GW–
9·8		52·8	37·3	
10·2	14	10·8	32·2	
9·7		12·3	49·2	
7·8		43·3	9·0	7·5 GW–
7·6		49·8	7·1	7·5 GW–
10·2		59·8	0·8	
10·0	15	35·8	56·0	
10·2		42·3	53·9	
9·9		59·3	50·8	
9·1	16	3·8	25·2	
8·8		7·8	35·0	
9·4		11·8	16·0	
10·2		14·8	10·7	
9·4		31·3	32·1	
10·2	17	0·3	55·1	
9·2		31·8	26·0	9·0
10·2		47·8	9·1	
9·6		51·8	54·0	
9·7	18	0·3	55·9	
10·2		2·3	6·3	
9·2		6·8	30·8	
10·2		23·8	32·4	
10·2		40·3	37·9	
10·2		48·3	19·8	
9·6	20	4·3	14·3	
10·2		28·3	41·2	
	+1	27·7	+7·4	

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9241—9300.

mag.	22h. m	s	−35° ′	
9·6	20	31·8	32·0	
10·2	21	31·8	45·3	
10·2		59·3	51·1	
9·8		59·8	3·8	
9·7	22	21·8	50·4	
10·2	23	5·8	20·1	
10·2		11·8	22·6	
9·7		17·8	10·5	
9·4		49·8	40·6	
10·0	24	3·3	32·1	
10·2		19·8	13·3	
9·0		22·6	0·9	
7·5		34·3	55·9	6·5 GS–
10·2		59·8	56·4	
8·6	25	13·8	41·2	8·0 G
10·0		36·1	2·4	
9·4		39·8	37·8	
8·1	26	7·3	46·8	7·0 GS
10·2		20·3	17·4	
10·2		29·8	43·4	
9·2		34·8	3·9	
9·0		51·8	48·2	
9·1	27	6·1	28·8	8·5
8·6		10·6	40·1	8·0
7·7		19·1	19·0	7·0 GS–
8·7		50·1	1·8	G
10·2		59·1	46·1	
10·2	28	49·1	3·2	
8·6		54·1	58·0	9·5
9·0	29	9·6	11·8	
9·4		25·1	46·8	
9·7		30·6	34·0	
9·4	30	7·1	5·4	
8·8		16·8	35·2	8·5
9·1		25·0	0·3	
10·2		44·6	17·9	
9·4	31	0·0	35·8	
8·2		18·6	21·2	8·0 GS
10·2		33·8	58·2	
10·2		38·1	57·2	
10·0		49·0	18·4	
9·8		59·6	38·4	
10·0		59·6	0·0	
10·6	32	30·5	38·9	
7·4		51·0	49·5	7·5 G–
10·6	33	30·5	58·0	
10·6	34	31·5	54·8	
10·0	35	17·0	49·3	
10·2		17·0	4·1	
10·6		46·2	47·6	
10·6		53·2	53·2	
10·0	36	9·2	37·5	
10·6		14·7	21·2	
8·6		21·7	8·5	8·2 G–
10·2	37	36·7	11·5	
10·6	38	10·2	13·4	
10·6		40·2	53·7	
10·4		44·7	30·3	
9·2	39	17·7	38·5	9·5
10·2		24·7	8·7	
25pr.	+1	26·0	+7·7	

9301—9360.

mag.	22h.–23h. m	s	−35° ′	
10·0	39	30·2	46·7	
10·6		52·2	32·8	
9·6	40	4·4	59·7	9·0
9·8		15·7	17·5	
7·5		25·7	28·9	7·0 GS
10·2		44·2	42·7	
7·2	41	39·7	25·9	7·5 GS
9·2		48·2	47·1	
10·2	42	1·2	43·2	
7·2		26·2	38·6	8·0 G
9·4		30·2	0·7	9·0
10·6		56·7	42·2	
10·6	43	15·3	58·1	
9·8	44	28·7	35·2	
10·6		58·7	23·4	
9·6	45	8·7	45·4	
7·2		10·2	17·7	8·0 G–
10·4		30·2	26·7	
9·6	46	41·2	18·2	
10·4	47	31·2	50·8	
10·4		35·2	54·2	
9·0		35·7	13·7	9·0
10·0	48	45·7	43·2	
10·2	49	29·2	1·2	
9·2		39·7	27·2	
10·2	50	25·7	54·6	
10·6		30·2	55·9	
9·2		40·2	21·0	
10·6		43·7	7·6	
9·2		52·7	40·0	
10·6	51	6·7	31·4	
10·0		9·2	46·5	
10·6	52	0·2	6·3	
10·6		5·2	28·4	
10·4		22·7	21·4	
10·6		30·7	47·6	
10·0		43·2	23·2	
10·6		51·7	8·7	
9·2		54·7	42·6	8·5 G
9·2	53	4·7	21·7	
9·2		18·2	19·3	
9·0		30·7	43·8	
9·4		50·2	26·9	9·0
9·0	54	23·2	45·5	9·5 G
10·2		42·7	31·8	
10·0	55	23·7	21·7	
10·6		42·8	47·0	
8·6		58·7	2·3	9·5
10·2	56	33·8	55·4	
5·7		34·8	25·4	5·0 GStπ
9·6	57	0·5	19·4	9·5
10·2		23·5	27·9	
10·2		27·0	5·1	
9·2		37·0	27·6	9·0 –
9·8		46·5	48·1	
10·2	58	52·0	33·0	
9·4	59	40·5	55·6	
9·8	0	10·5	40·7	
9·0		24·5	32·4	GW–
9·5	2	53·5	31·0	9·0 –
	+1	23·9	+8·0	

9361—9420.

mag.	23h. m	s	−35° ′	
9·8	2	58·5	33·2	
9·2	3	16·7	5·1	9·5 G
10·2	4	31·2	56·2	
10·0	6	4·2	56·6	
9·8		24·2	14·8	
9·2	7	13·7	40·0	
10·2	8	16·7	44·4	
8·2		44·7	53·2	9·0 –
10·2	9	22·2	10·4	
9·6		52·7	3·8	
10·0	10	20·2	24·4	
9·8	12	20·7	22·6	
9·8		49·2	34·9	
10·2	13	6·7	35·7	
9·5		20·7	19·1	
9·2		29·2	17·5	–
10·0	14	39·2	22·6	
10·2	15	26·2	22·1	
10·2		37·2	53·1	
10·2	16	14·7	0·7	
8·4		26·2	14·6	8·5 –
10·2		30·7	24·9	
9·0		42·2	56·3	
9·8		50·7	45·1	
9·0	17	1·7	17·2	8·5 –
9·8		42·7	55·2	
9·6	18	10·7	30·5	
10·2		13·2	51·1	
9·6	19	26·7	50·6	
9·4	20	26·7	50·8	
10·2		58·3	58·4	
10·0	21	45·2	34·6	
9·1		48·8	56·7	9·0 G–
10·0	22	31·5	59·3	
9·2	23	2·9	34·7	
10·0		20·4	25·8	
10·0		26·5	17·6	
10·0		54·9	20·3	
10·0	24	9·5	21·1	
8·2		14·4	47·7	8·0 GS=g
10·0		19·2	58·9	
10·0		24·5	17·3	
10·0	26	18·4	37·3	
10·0		29·4	11·2	
10·0		55·9	57·8	
8·2	27	11·4	12·0	8·0 G–
10·0		26·9	13·1	
10·0		41·9	21·6	
10·0	28	9·4	21·3	
7·2		15·4	46·3	7·2 GS=
10·0		36·4	16·5	
9·0	29	3·9	39·0	
9·1		58·4	4·5	9·5 G
9·4	30	1·7	58·0	
10·0		1·7	18·0	
10·0		5·7	34·3	
8·4		19·2	2·4	8·2 G
10·0		43·7	59·7	
8·8		46·7	55·1	
10·0		48·7	58·2	
	+1	20·9	+8·2	

9420—9481.

mag.	23h. m	s	−35° ′	
9·6	31	5·7	18·1	
9·6		29·2	41·5	
9·6		55·7	52·8	
10·0	32	30·2	13·8	
8·6		32·2	35·9	9·5 G
10·0		40·7	55·7	
9·6		44·7	35·9	9·2
10·0	33	40·7	34·1	
10·0		43·7	0·9	
8·8	34	5·7	23·1	9·0 –
9·6		10·7	3·6	9·0
10·0		11·2	44·8	
9·8		16·7	16·1	
10·0		45·7	10·0	
9·2	35	11·2	54·6	9·0 =
10·0		59·7	26·6	
10·0	36	49·7	57·5	
9·4	37	49·2	8·6	
9·6	38	34·7	0·6	
10·0		42·2	5·1	
8·8		51·7	40·4	9·0 G–
10·0	40	15·7	19·9	
8·4	41	23·9	0·3	8·3 G
9·8		29·7	4·0	
10·0	42	9·7	20·0	
8·8		22·2	5·5	8·5 G
9·8		38·6	11·1	
10·0		41·7	59·7	
9·1	43	41·7	8·8	
10·0		53·7	3·0	
10·0		55·7	55·3	
9·8	44	41·7	26·8	
8·8		58·7	11·0	
6·4	45	9·2	23·2	7·0 GStp
10·0		25·7	53·0	
9·6		58·2	20·2	10·0
10·0	46	14·6	26·6	
10·0	47	0·7	21·2	
10·4	48	8·3	6·8	
10·4	50	3·8	26·1	
9·8	51	34·0	2·1	
9·4	52	29·3	56·1	
10·4		44·8	59·0	
10·4	53	3·8	9·4	
9·4		9·8	43·8	9·5
9·2		15·3	41·6	8·0 –
9·6		25·8	46·2	9·5
9·4	54	9·8	25·5	
9·4		17·3	26·1	
10·0		54·3	59·7	
9·9	55	15·8	20·9	
10·0		39·8	10·4	
7·5	56	36·8	26·4	8·0 W–
9·4		40·8	47·7	
9·4		54·8	26·8	9·5
10·2	57	15·8	12·8	
8·0		50·3	6·7	8·5 –
10·4		50·3	41·2	
9·9	58	24·3	31·8	
10·4		50·8	38·7	
9·4	59	9·8	49·6	
	+1	18·5	+8·3	

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ZONE — 36°.

1—30.

mag.	0h. m	s	—36° ′	
7.9	0	16.5	46.8	7.8 GS
10.4	1	5.5	40.1	
9.0		21.0	28.9	9.5 G
10.4		44.0	20.7	
10.4	2	12.0	18.2	
9.4		31.0	30.8	
9.4	3	19.0	6.8	
9.2		22.2	57.2	
10.2		32.5	40.4	
10.0	4	49.5	46.3	9.5
8.9	5	31.5	14.4	
9.4		57.0	26.3	
10.4	6	51.5	3.6	
10.2	7	10.0	51.2	
10.4		21.5	24.0	
10.4		26.5	22.9	
10.4		47.0	2.1	
8.2		54.5	30.1	8.0 GS–
10.4	8	23.0	45.4	
10.2		23.5	45.6	
10.4		23.5	50.9	
10.0		38.0	40.6	
8.6		41.5	51.4	7.8 G
9.0	9	25.5	47.3	9.0 G
9.6	10	7.5	0.6	
10.4		35.5	53.6	
9.0–	11	59.2	31.1	9.5
8.0	13	54.8	35.9	8.0 GS–
7.9	14	59.8	29.5	7.0 GStπ
8.4	15	18.8	3.4	9.0
25pr.	+1	16.0	+8.4	

31—60.

mag.	0h. m	s	—36° ′	
8.0	16	30.8	4.8	7.5 GS–
9.2		37.7	20.5	
9.0	17	7.2	22.0	9.5
8.4	18	5.7	19.9	8.0 G–
9.8	21	10.2	2.6	
9.6		33.7	50.0	
9.0	22	17.2	24.6	W–
8.2	23	12.2	24.8	9.0 W–
9.8		15.7	18.8	
8.6		24.2	30.8	9.0 –
9.8		41.2	12.5	
9.8		53.2	49.2	
9.0	24	19.7	38.6	
9.6		27.7	37.5	
9.8		44.9	39.8	
8.7		48.2	55.8	8.5
9.8		55.2	52.7	
9.6	25	4.2	9.9	
8.9		24.7	58.0	8.5 G
9.8		44.7	30.0	
9.5		58.2	55.9	
8.6	26	30.7	6.9	9.0 –
9.6		32.7	11.2	
9.5		37.2	25.4	
9.2	28	1.2	42.8	
9.2		4.7	57.2	
9.8	29	7.2	38.1	
9.8		21.2	27.5	
9.2		32.2	20.5	
9.6		41.7	15.0	
	+1	14.1	+8.3	

61—90.

mag.	0h. m	s	—36° ′	
9.4	30	29.2	54.0	9.5
9.6		48.9	13.9	
8.2	31	11.2	6.5	8.5 G–
9.8		49.2	35.0	
9.4	32	38.7	16.8	10.0
9.4		45.7	38.9	10.0 G
8.4		47.2	37.9	8.5 G
9.2	33	22.7	18.4	
9.8		39.9	42.9	
9.0	34	8.2	45.3	
9.3		20.2	10.7	
9.8		29.7	59.2	
9.8		41.7	34.6	
9.8	35	38.9	17.9	
9.5		44.7	23.7	
9.8	36	2.9	19.0	
9.6		27.7	4.2	
8.0		34.7	42.5	7.0 GS
9.3		55.0	0.0	
9.2	38	27.7	47.5	9.0
9.4–		39.6	0.0	
8.8		55.0	39.0	9.0
10.0	40	29.2	24.1	
8.0		38.7	42.9	9.0 G
10.0	42	14.7	24.9	
9.2		48.7	37.1	
7.8	43	0.5	56.7	7.6 GS
10.0	44	21.1	13.8	
9.6		24.1	47.2	9.0
8.6	45	10.6	4.7	9.0
	+1	12.9	+8.3	

91—120.

mag.	0h.–1h. m	s	—36° ′	
8.0	46	8.1	25.6	9.0
10.0	47	30.6	32.9	
10.0		38.6	0.8	
8.8	48	27.1	4.8	9.5 G
9.4		37.6	6.0	
9.5		46.1	12.0	
10.0		54.1	36.1	
9.2	49	29.1	27.8	
10.0	50	10.1	4.0	
8.4		23.1	17.2	8.0 G
10.0	51	46.6	5.8	
9.4		48.1	38.1	
9.1		49.1	12.1	
8.8	52	9.1	52.6	9.5
9.4		24.1	9.5	
8.5	53	20.6	9.9	8.5 G
10.0		24.6	3.6	
10.0	54	9.1	39.4	
7.8		41.5	54.8	7.0 GS
10.0		43.0	27.7	
9.2	55	3.7	2.1	
10.0		4.5	59.0	
10.0	56	27.0	8.0	
9.1		49.0	21.9	
10.0	58	4.5	56.1	
8.8		48.5	54.2	9.0
10.0		49.5	1.0	
6.9	0	34.5	19.7	6.5 GSct
10.0		51.0	48.0	
9.5	1	31.5	46.8	
	+1	11.2	+8.1	

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121—180.

mag.	1h. m s	—36° ′	
10·0	2 30·7	56·1	
8·8	3 19·2	48·6	8·5 G–
9·1	6 0·0	6·0	
7·1	7 8·0	24·5	7·5 GS=
8·4	8 7·5	51·0	7·5 G–
9·2	11·0	31·6	
9·8	9 26·0	33·2	
9·2	26·5	21·8	
9·0	11 34·3	2·4	9·0
8·0	12 48·9	55·2	9·0 –
9·2	13 9·4	58·2	
6·8	14 32·9	54·0	7·2 GS–
8·6	15 21·9	15·8	8·0 G
9·6	42·9	20·2	9·0 G
9·8	16 8·4	0·1	
9·6	17 28·4	14·5	
9·6	18 3·9	42·4	
9·2	9·3	37·7	
8·5	14·3	22·4	
9·1	35·8	21·3	
9·4	20 14·8	24·1	
9·6	50·8	52·4	
9·6	21 23·2	2·3	
8·8	22 40·8	43·4	8·0 –
9·1	23 27·3	32·2	
8·4	42·2	2·9	8·5 G
8·9	24 19·4	28·9	
9·0	49·4	56·3	9·0 G–
8·5	25 11·4	19·5	9·0
9·2	27 50·6	39·3	9·0
9·8	28 44·8	56·2	
9·9	29 12·5	35·8	
9·8	21·0	44·6	
8·4	30 22·2	38·8	8·5 –
9·9	58·2	41·1	
8·5	33 58·7	41·0	–
9·9	34 55·7	42·2	
8·6	37 25·7	9·3	
8·5	28·7	26·5	8·5 G–
9·7	38 21·7	17·2	
9·9	59·7	5·1	
8·4	39 56·2	44·0	8·0 GW–
9·9	40 10·2	45·9	
9·6	24·2	15·8	
9·0	42 6·2	30·6	9·0 G
8·6	25·2	56·5	8·8 G
9·2	43 19·1	9·6	
8·0	44 29·1	9·5	8·5
9·0	46 1·6	17·6	9·5
8·4	42·1	51·7	
9·0	53·6	23·7	9·0
9·2	47 18·6	38·9	
9·2	22·6	30·7	
9·9	49 4·1	22·3	
9·9	10·9	29·9	
8·8	43·9	4·2	8·0 G
9·9	51·4	24·9	9·0
7·2	50 30·9	51·5	7·5 GSg
9·0	34·9	30·7	
6·8	51 58·9	40·1	7·0 GS
25pr.	+1 7·6	+7·7	

181—240.

mag.	1h.–2h. m s	—36° ′	
8·8	53 55·4	20·8	8·5
9·4	54 4·4	34·9	
7·6	16·9	1·8	7·5 GS
8·6	55 29·7	15·8	9·0
9·0	56 10·2	20·8	9·0 G
9·9	36·2	3·3	
9·4	57 44·7	31·5	
9·4	58 54·2	42·5	
9·3	55·2	52·3	
9·4	59 51·7	24·9	9·0
9·8	0 30·7	44·4	
9·3	1 26·7	14·9	
9·6	59·7	41·1	
9·9	2 5·2	53·5	
9·9	14·2	24·9	
9·4	29·2	11·8	9·0
9·6	31·2	11·2	9·5 G
8·0	3 28·7	25·0	7·5 GS
8·0	34·2	23·0	8·0 GS
9·8	4 14·2	37·1	
8·2	5 15·2	6·0	7·5 GS
9·9	23·7	30·8	
9·3	6 24·5	1·8	
9·0	31·7	53·9	9·8
9·2	56·5	0·6	
9·7	7 22·2	31·8	
9·9	29·3	58·0	
8·8	42·2	11·0	
8·8	58·7	59·9	8·2
8·0	59·7	38·8	7·5 GS
9·4	8 1·8	58·8	9·5
9·4	31·2	47·6	
8·8	9 18·7	5·7	9·5
8·3	57·2	54·4	7·5 GS
9·2	11 7·2	44·6	
9·8	27·2	44·0	
7·4	12 2·2	33·8	7·0 GSct
9·9	39·7	21·2	
9·4	59·7	55·0	
9·2	13 4·7	20·1	
8·2	14 32·2	1·4	8·0 GS
9·9	47·7	40·7	
9·3	56·7	59·6	
9·6	15 49·7	34·6	
9·9	59·2	35·3	
9·8	16 9·2	13·5	
9·9	19·7	37·7	
9·7	30·7	36·5	9·5 G
8·2	52·2	40·5	7·5 G
9·9	17 15·7	34·5	
9·4	25·2	48·5	
9·3	18 6·7	38·3	
9·8	40·0	40·9	
10·2	19 24·4	44·0	
8·2	45·4	27·0	7·5 G
10·2	20 45·9	7·9	
8·2	21 20·4	15·2	9·0
9·6	28·4	13·3	
8·0	44·4	48·8	9·0 G
8·8	52·9	44·0	9·0 G
	+1 3·7	+7·1	

241—300.

mag.	2h. m s	—36° ′	
10·2	22 26·4	58·6	
10·2	48·4	41·2	
10·2	52·4	43·5	
7·6	23 6·4	54·2	7·5 GSt
8·5	44·4	14·6	9·0
7·8	24 10·4	29·9	7·5 GS
8·6	15·9	42·3	8·0 G
10·2	26 32·2	47·5	
7·0	27 5·4	58·8	6·5 GSct
9·8	8·9	5·8	
10·1	28 26·4	46·3	
9·8	27·4	3·8	
9·0	27·9	40·2	9·0
10·2	52·4	8·7	
9·4	54·4	6·3	
9·4	55·4	18·6	
10·1	57·4	10·6	
9·8	29 3·4	40·6	
10·2	40·2	13·4	
10·0	40·4	5·7	
8·8	30 16·4	51·7	
9·4	21·4	3·6	
8·8	31 5·9	40·5	8·0 G
9·2	11·4	11·0	
8·0	37·9	22·2	7·0 G
10·2	32 8·2	20·4	
9·8	14·4	45·8	
8·2	30·4	42·1	7·8 G
9·8	33 14·4	45·5	
9·1	34 18·4	28·1	
10·2	20·1	57·2	
10·0	31·1	57·5	
8·5	39·5	3·0	8·5
9·0	35 14·0	36·7	
8·6	50·5	25·8	8·8
10·0	36 8·5	30·4	
10·2	28·0	42·1	
9·1	39·5	8·2	9·0
8·6	37 0·5	46·9	9·0
8·6	38 48·5	52·1	9·2 G
7·2	39 9·5	50·2	6·8 GS
9·4	41 1·5	46·6	
10·1	21·0	56·7	
10·2	31·0	53·0	
7·0	42 29·5	4·4	7·0 GStπ
10·2	31·5	57·1	
8·8	34·5	37·9	
8·8	59·0	57·0	
10·1	43 16·5	16·4	
10·0	17·0	50·0	
10·2	44 5·0	41·6	
10·0	24·1	11·8	
10·2	26·0	45·8	
6·6	45 11·1	21·6	6·0 GStπ
6·4	37·1	11·5	5·0 GStπ
8·4	48 57·1	24·6	8·5 G
10·4	50 9·1	24·0	
10·2	28·2	1·2	
8·8	30·0	4·1	8·2 G
8·9	51 24·0	31·2	8·8
	+1 1·4	+6·5	

301—360.

mag.	2h.–3h. m s	—36° ′	
9·4	51 49·5	39·0	
7·5	53·5	48·1	7·3 GSt
10·2	52 10·5	13·0	
7·3	14·0	56·2	7·7 GSt
10·4	40·0	29·0	
10·0	53 38·5	21·4	
8·8	55 40·5	26·1	9·0
10·4	47·2	1·0	
9·7	56 16·0	46·7	
10·4	57 12·0	12·3	
10·4	50·0	1·2	
9·4	58 12·0	39·0	
8·8	59·0	24·1	9·5
10·4	59 40·8	0·9	
10·2	0 19·0	10·2	
10·4	1 8·3	8·8	
8·8	2 51·5	15·3	9·5 G
9·6	3 54·5	47·5	
8·8	58·5	31·3	9·2
8·8	4 28·5	26·5	9·5 G
10·4	5 42·7	22·9	
10·0	59·7	44·9	
9·9	6 10·2	4·5	
9·9	23·7	5·9	
10·3	7 13·9	13·6	
9·4	25·7	16·7	9·5
6·6	8 8·2	24·6	6·0 GStπ
8·8	15·7	57·0	8·8
9·4	40·4	51·9	8·8 G
9·6	9 33·4	13·4	
6·9	44·9	1·5	7·0 GStπ
9·6	48·9	48·6	
10·4	10 9·7	54·8	
9·6	18·7	51·9	9·0
9·9	27·4	15·8	
10·4	42·5	0·0	
9·5	48·8	28·1	
9·6	11 18·6	47·9	
7·c	39·1	9·0	7·0 GStπ
8·4	58·6	10·3	8·5 G
9·5	13 16·1	44·7	G
9·4	16·6	16·6	
9·4	22·6	36·8	
7·9	14 0·6	34·8	
9·6	18·6	8·6	
9·0	15 44·6	36·0	8·5
10·0	19 21·6	7·4	
9·0	20 6·6	39·2	9·0 G
9·6	21 1·6	22·8	
6·4	5·6	21·6	6·5 GStπ
7·2	9·4	23·8	8·0 GSt
9·4	39·6	2·2	
8·4	22 20·6	21·9	
9·5	29·6	41·7	
7·0	42·6	7·0	6·0 GStπ
8·8	23 18·6	20·7	9·0 G
6·9	22·6	17·2	6·5 GStπ
7·7	30·6	26·8	8·0 G
8·4	24 4·6	20·2	9·0
10·0	30·6	0·9	
	+0 58·6	+5·6	

Digitized by Google

361—420.

mag.	3h. m	s	−36° ′	
7·2	25	9·7	10·6	7·0 G
10·0		27·2	42·8	
10·0	26	20·7	37·9	
8·6		56·7	7·8	9·0 G
10·0	27	28·7	34·7	
9·6		30·2	4·8	
9·4		49·7	40·9	
9·6	28	9·7	54·2	
9·8		9·7	15·8	
10·0		20·7	2·8	
9·4	30	14·7	2·4	
8·2		19·7	21·2	7·5 GS
8·4		45·7	17·2	8·5
10·0		59·7	46·1	
9·0	31	9·7	43·8	8·5
10·0		19·7	36·1	
9·6		39·7	56·5	
9·0	32	8·7	29·7	9·0 G
9·2		14·7	46·3	9·0 G
7·0		20·2	42·2	7·5 GSct
10·0		24·2	6·5	
8·2	34	12·7	2·7	8·5
10·0		34·7	39·7	
9·6		45·4	26·5	
8·0		50·7	20·8	8·5 GS
9·6		55·7	12·2	
10·8	35	12·5	15·0	
10·8		20·0	13·9	
10·7		30·0	17·8	
10·6	36	1·5	53·6	
10·7	37	29·0	44·7	
9·2		45·0	49·3	
10·8	38	22·5	13·1	
10·8	39	9·0	14·6	
10·8		15·0	18·4	
10·8		25·5	56·5	
9·5		40·0	9·9	9·5 G
10·8	40	5·0	33·7	
10·8		35·0	28·0	
10·6		40·5	58·0	
10·8		51·0	7·6	
10·0	41	11·0	8·7	
9·2		26·5	31·5	8·5
10·8		38·0	31·8	
10·0		40·0	15·3	
10·6		41·1	4·3	
9·8		52·0	3·5	
10·0	42	12·5	46·5	
9·5		51·0	55·1	9·0 G
9·8		55·5	26·9	
5·9	43	7·5	29·5	6·5 GStπ
10·8		58·5	55·3	
8·6	44	22·5	22·3	9·0 G
7·8		40·0	28·3	6·0 GS
5·4		46·0	34·7	4·0 GStπ
10·7		50·5	40·2	
10·8	45	20·1	50·7	
10·7		35·0	51·9	
10·2		45·0	3·1	
6·5		58·0	48·3	7·0 GS
25pr.	+0	56·7	+4·9	

421—480.

mag.	3h.–4h. m	s	−36° ′	
10·8	46	40·0	19·5	
10·7		41·0	6·8	
10·0	47	3·0	27·3	
10·8		21·2	1·7	
10·8		42·1	4·2	
10·3	48	13·0	40·4	
10·8		26·8	58·1	
10·7		58·0	12·0	
10·4	49	6·0	27·7	
10·7		23·0	56·9	
9·2		31·5	24·4	
7·6	50	6·5	4·7	8·0 G
10·2		11·3	41·2	
10·8		16·8	33·5	
9·5		25·3	59·8	
10·7		25·8	27·4	
7·4		50·3	40·6	7·5 GS
10·7		53·8	59·4	
10·7	51	20·3	14·8	
9·0		43·3	25·4	9·0
10·8	52	11·3	53·8	
10·7		21·3	24·2	
10·6		25·3	24·8	
10·7		52·8	42·8	
10·6	53	4·3	57·8	
8·2		17·3	37·4	8·5
8·6		45·3	23·1	9·5
10·2		50·3	12·1	
8·0	54	16·1	8·1	8·0 G
9·6		20·1	1·1	
10·2	55	5·6	14·8	
10·2		11·0	57·6	
9·0		13·6	22·5	9·0
10·8		19·1	13·1	
10·2		36·6	34·6	
9·8		53·1	39·7	
10·8	56	13·6	10·1	
9·4		15·6	31·7	
9·6		46·1	19·0	
7·9	57	20·6	26·9	8·0 G
10·8		29·6	7·9	
9·0		30·6	57·9	
10·8	58	10·6	48·3	
10·8		14·6	13·3	
10·7		28·6	9·3	
10·2		59·5	31·2	
10·8	59	5·6	9·5	
9·8		21·6	27·3	
9·8		59·1	56·3	
7·5	0	15·3	10·7	
10·4		28·2	12·4	
9·4		28·3	43·9	8·5
10·4	1	59·8	23·9	
10·4	2	2·3	6·1	
9·4		15·3	47·0	
10·4		26·3	21·1	
10·8		34·8	22·2	
7·4		43·3	28·5	8·0
10·8	3	18·3	16·3	
10·0		27·3	57·8	
	+0	55·7	+4·3	

481—540.

mag.	4h. m	s	−36° ′	
9·0	3	56·8	36·1	9·5
8·4	4	54·1	59·1	8·0 G
10·8	5	7·6	19·8	
10·8		39·1	22·7	
10·3	6	6·6	48·3	
10·6		17·1	43·1	
9·6	7	12·6	22·5	9·5
10·2		14·1	13·4	
10·2		15·6	17·4	
10·8		28·1	57·4	
7·3		55·6	28·3	7·5 G
7·6		59·1	27·8	8·0 G
10·0	8	0·1	5·2	
10·6		28·1	11·2	
9·0		34·1	51·9	8·0 G
10·4		48·1	12·2	
9·0	9	43·6	32·4	9·0 G
10·4		46·1	58·9	
10·4		49·1	32·9	
10·4	10	29·1	13·8	
8·2		50·1	30·9	7·8 G
10·8	11	21·6	31·0	
9·6		39·6	39·5	
8·4		54·1	48·7	8·8
9·2	12	4·6	57·9	9·2
10·0		24·6	52·4	
9·6	13	6·1	16·4	
9·0		20·2	23·9	8·8
9·4		56·2	49·1	9·5
9·0	15	26·7	56·4	8·8
10·8		35·7	46·0	
10·8	16	4·2	27·4	
10·8		33·2	46·2	
10·3	17	19·2	31·8	
10·8		22·7	31·7	
10·6		26·7	26·9	
10·8		57·2	54·4	
9·0	18	18·7	5·0	8·5 G
8·4		30·2	47·0	
7·9		42·2	37·5	
10·8		44·7	16·2	
10·8	19	10·2	38·3	
7·5		19·2	45·7	
8·4	20	12·7	4·4	
9·0		19·2	45·6	
10·8		26·5	26·2	
10·8		46·3	29·5	
9·8		47·8	54·0	
10·8	21	15·5	15·4	
10·4		28·3	22·2	
10·2		29·3	48·9	
10·8	22	5·8	17·4	
9·6		32·3	47·0	
10·8		47·8	58·0	
10·8		54·8	32·7	
10·3		59·3	58·4	
10·0	23	19·3	55·7	9·5
10·3		24·3	19·6	
10·0		37·8	39·9	
10·8	24	27·1	11·9	
	+0	54·6	+3·7	

541—600.

mag.	4h. m	s	−36° ′	
10·8	24	49·5	39·0	
9·0	25	2·3	50·1	9·5
10·4		10·0	34·6	10·0
9·4	26	34·8	30·8	
8·1		42·8	2·6	8·0 GS
7·6	27	2·3	10·4	8·0 G
9·3		55·3	36·4	
10·6	28	35·8	20·2	
10·6	29	9·8	13·3	
10·8	30	19·3	3·0	
10·8		20·3	8·0	
9·3		23·3	1·1	
9·0		28·8	12·4	9·0
9·7		34·0	0·7	
10·8		51·3	36·7	
8·9	32	27·3	5·6	9·5
9·6		33·8	47·0	
10·0	33	13·3	10·4	
10·0	34	21·3	55·9	
9·0		27·3	25·6	9·0
10·8		29·8	58·2	
9·7		44·8	23·4	
10·6		46·8	19·3	
10·4	35	6·3	20·1	
10·4		21·3	5·8	
10·2		23·8	18·7	
10·8		49·3	50·5	
10·8	36	10·3	13·7	
9·7		11·8	57·8	
10·6	37	12·3	55·1	
10·0		20·3	49·6	
10·8		39·3	1·8	
8·8	38	40·3	38·7	9·5
8·6	39	56·3	41·1	8·5 Gt
10·8	40	48·8	56·2	
10·8		51·8	18·9	
10·8		59·6	58·6	
10·2	41	0·4	52·9	
10·4		20·4	29·4	
10·8		24·4	35·8	
8·3		56·9	2·0	8·0 GS
9·6	42	50·9	25·9	8·0 G
10·4	43	49·4	22·9	10·0
9·7		52·4	23·8	10·0
10·8	44	9·9	43·3	
8·6		11·9	14·4	9·5
10·8		14·4	3·8	
10·8		14·5	1·9	
9·2		20·4	55·9	9·0 G
10·8		21·4	27·9	
10·0		30·4	58·1	9·2 G
10·8	45	39·9	54·8	
8·9		40·4	34·2	9·0
10·8	46	4·4	36·5	
10·3		9·9	23·6	
9·7		47·7	57·9	
10·8	47	16·4	35·6	
8·2		18·9	3·1	8·0 G
10·8		38·4	54·7	
8·9		49·9	32·0	9·5
	+0	53·6	+3·0	

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601—660.

	4h–5h.		−36°	
mag.	m	s	′	
9·3	48	12·9	12·0	9·0 G
10·6	49	0·9	25·9	
10·3		37·9	16·5	
10·0		40·9	3·5	
10·8		49·4	13·8	
10·8		55·9	38·4	
10·8	50	0·4	4·7	
10·8		4·8	9·3	
10·0		13·6	48·7	
9·7		19·4	25·1	
10·6		21·8	58·1	
10·6		21·9	26·4	9·5
10·6		22·2	59·9	
10·6	51	59·6	57·3	
9·8	52	10·1	36·9	10·0 G
10·6		21·8	49·2	
10·6		35·8	9·8	
10·0		51·5	1·6	9·5
10·6		58·8	20·4	
9·8	53	0·3	2·5	
10·6		15·8	50·8	
10·6		19·8	1·3	
10·4		53·6	2·2	
10·6	54	13·8	12·4	
9·8		41·3	35·9	
8·2	55	27·8	48·7	8·0 GSt
9·6		35·3	26·1	
10·6		40·8	28·1	
10·0		44·3	9·7	
9·4	58	11·3	3·1	10·0
9·8		14·8	27·9	
10·6		20·8	23·9	
10·2		49·8	44·5	
10·4		59·8	7·8	
9·4	59	14·8	38·1	
9·4		19·8	14·5	
10·2		20·3	36·8	
10·4		41·8	19·1	
9·4	0	10·8	21·0	
9·6		19·3	12·9	
10·0		44·8	52·4	
10·2	1	5·8	32·6	
10·4		49·8	30·0	
10·6	3	38·3	25·4	
9·8		47·3	14·6	
9·8		50·8	46·8	
10·6	4	2·0	2·0	
9·8		7·3	9·0	
9·6		14·3	11·3	9·5
8·7		39·8	37·5	9·0
9·4		42·3	42·1	9·5 G
9·1		54·8	45·0	9·5 G
10·2		54·8	24·1	
9·4	5	6·8	43·7	
10·6		24·8	20·0	
10·2	6	2·3	6·0	
10·6		11·3	42·0	
7·6		18·3	25·8	8·2 GS
10·6		21·8	38·9	
10·6		34·3	51·2	
25pr.	+0	53·0	+2·2	

661—720.

	5h.		−36°	
mag.	m	s	′	
9·8	6	39·8	21·4	
8·8		58·8	38·0	8·7 G
10·6		59·8	20·0	
9·4	7	3·8	50·2	
9·4		20·8	52·6	9·0
8·2		21·3	32·1	8·2
10·6		32·8	10·6	
10·6	8	49·8	4·5	
10·2		50·6	58·3	
10·2	9	0·8	54·3	
9·8		1·8	11·9	
10·6		4·3	0·2	
10·6		10·8	9·9	
10·0		55·4	51·8	
9·0	10	2·9	18·8	
6·5		3·4	7·3	6·0 GStπ
9·8		20·4	57·5	
9·1		44·9	47·6	8·8 G
7·4		46·4	47·8	7·0 GS
9·1	12	8·9	24·2	9·5
9·1		21·9	27·8	
9·8		59·4	58·1	
10·2	13	0·9	31·8	
9·4		53·8	57·6	
10·6		59·9	18·2	
9·1	14	0·9	19·8	
9·4		25·9	10·2	
9·8		36·4	39·0	
9·0		40·9	52·4	9·0
10·4		41·9	38·6	
9·6		56·9	27·2	
8·2	15	4·4	52·5	8·5 G
10·6		29·7	1·9	
10·0		47·5	39·3	
10·0	16	40·2	24·5	
9·3	17	39·5	48·2	
9·9		57·0	31·2	
9·9	18	18·5	35·3	
8·5		52·6	29·4	8·5 G
9·6		57·1	25·9	9·5 G
9·9		57·6	21·1	
8·4		59·6	47·7	8·8 G
9·6	19	9·6	52·1	
9·1		40·6	7·2	
9·0		47·6	12·5	
9·6	20	29·6	19·4	
8·2		55·1	36·4	GS
8·6	21	36·6	15·9	
9·4		39·6	21·6	
9·9		59·6	43·9	
9·6	22	22·6	16·4	
6·9		23·6	41·6	7·8 GS
9·6		42·6	41·1	
9·9	23	1·1	1·1	
10·0		2·1	42·1	
9·8		14·6	33·1	
8·5		15·1	5·3	9·0 G
9·6		22·1	38·9	
9·6		47·1	13·1	
9·6		55·1	15·4	
	+0	52·6	+1·6	

721—780.

	5h.		−36°	
mag.	m	s	′	
9·8	23	58·1	52·0	
9·6	24	7·1	2·2	
9·0		8·1	42·9	9·0 G
8·4		15·1	59·1	8·0 G
10·0		44·6	58·3	
9·6		49·6	6·0	
8·6		58·6	40·1	8·5 G
10·0		59·6	59·9	
9·9	25	37·6	23·7	
9·9		38·6	21·5	
9·6	26	59·6	54·7	
8·8	27	9·6	6·4	8·5 G
9·6		28·3	12·1	
9·3		32·8	26·6	
9·6		35·8	31·0	
8·8		41·1	2·7	8·5
9·6		41·3	27·7	
9·6		49·8	28·2	
8·5		59·8	10·7	8·5 G
8·2	28	0·8	18·3	8·5 G
9·4		28·8	55·1	
9·2		30·3	32·8	
9·3	29	41·8	6·5	
9·9		54·3	31·0	
9·8		55·8	44·8	
9·9	30	27·9	2·3	
9·6		53·3	4·7	
9·6	31	19·8	9·1	
9·9		35·3	29·1	
8·8		37·3	8·9	9·0
10·0		44·8	2·3	
9·6		45·8	56·5	
9·6		48·8	45·5	
9·0	32	7·3	4·9	9·5
8·8		28·8	51·3	8·5
8·4		44·8	57·3	9·0 G
9·6		48·8	20·2	
10·0	33	1·3	40·1	
10·0		6·3	36·1	
9·9		29·8	28·5	
9·6		40·8	48·9	
10·0	34	9·3	5·3	
9·4		13·8	41·1	9·0
9·9		20·3	18·2	
8·6		22·8	4·4	
9·0		27·3	46·0	9·0
9·6		37·3	43·4	
9·9		37·9	2·1	
9·0	35	9·8	38·0	9·0 GSg
10·0		21·8	47·1	
8·8		35·1	6·7	
8·8		38·6	46·4	
10·0	36	11·2	28·8	
9·3		14·6	56·4	
7·9		23·6	39·0	8·0 GSg
9·2		34·0	3·0	
9·2		46·6	27·9	
9·2		58·9	57·7	8·5
9·8	37	10·1	21·8	
9·4		30·6	5·2	
	+0	52·3	+1·0	

781—840.

	5h.		−36°	
mag.	m	s	′	
8·7	37	44·1	27·0	8·5 G
9·3	38	11·1	56·7	
9·8		41·1	39·3	
9·0		45·1	38·4	
9·9	39	7·6	1·5	
10·0		29·1	20·3	
9·6		29·1	53·7	
8·8		37·6	7·9	
9·9	40	58·8	9·7	
8·4	41	9·8	55·9	9·0
10·0		15·4	26·7	
9·8		40·6	49·4	
10·7	42	6·9	38·9	
7·2		19·9	16·6	7·0 GSc
9·4		31·9	33·3	
10·0		31·9	13·8	
10·8		49·9	12·1	
8·2	43	5·9	31·9	GSg
8·7		23·4	42·9	
9·0		29·4	34·9	
9·9	45	25·9	44·9	
8·4		39·4	14·1	8·5 G
10·8	46	10·4	54·9	
10·6	47	9·4	58·6	
9·4		12·9	48·0	
10·2		14·4	39·4	
8·8		42·4	19·0	
10·4		44·4	7·1	
10·3	48	4·4	21·7	
9·4		19·4	44·7	
10·0		36·9	21·9	
9·4		45·9	27·9	
8·0		49·4	58·2	8·0
8·7		54·4	17·3	9·0
9·4		59·4	30·9	
10·8	49	4·4	16·9	
9·0		7·9	52·6	9·5
10·8		57·9	37·9	
10·7	50	44·9	42·5	
9·3		51·4	57·9	10·0 G
9·6		59·6	0·9	
10·8	51	34·9	5·4	
10·6		36·4	59·0	
9·3		40·9	7·0	
10·7	52	16·4	7·7	
8·7		28·4	21·9	9·0 GS
9·8		31·9	5·3	
10·3		48·9	5·8	
10·8		58·4	43·3	
10·6	53	12·4	12·3	
9·8		27·6	0·7	
10·8		34·4	39·9	
9·6		54·9	20·3	
8·6		59·9	50·0	
10·8	54	13·9	47·9	
10·0		29·4	28·4	
10·7		30·4	56·3	
10·8		38·9	10·1	
10·2	55	39·4	29·3	
10·0	56	4·6	1·9	
	+0	52·1	+0·4	

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841—900.

mag.	5h.—6h. m s	—36° ′	
10·8	56 33·4	32·9	
7·4	48·9	28·2	8·5 G
10·3	57 4·4	47·1	
9·1	9·9	45·1	
10·7	16·4	59·7	
10·4	30·9	6·9	
9·2	47·4	23·9	9·0
10·3	58 14·4	12·7	
9·9	16·4	31·9	
10·7	17·9	20·1	
10·8	19·4	31·3	
9·4	26·3	58·3	
9·2	47·4	37·1	
6·8	49·4	52·3	7·0 GSg
9·6	50·4	13·4	
10·8	59 36·4	21·7	
9·2	0 16·4	9·8	
9·6	16·9	42·1	8·5
8·2	17·4	38·7	8·5
10·4	1 10·9	29·1	
9·9	34·9	54·0	
9·8	44·4	20·7	
10·6	2 16·4	48·6	
10·8	29·4	56·9	
9·3	36·9	43·4	
9·3	44·9	31·8	
7·6	3 9·4	17·6	8·0 GSg
10·7	10·6	57·6	
9·9	16·4	51·0	
10·0	39·4	54·5	
10·0	4 6·9	59·9	
8·0	26·4	6·3	8·5 GSg
8·8	39·4	46·7	
9·9	5 11·9	6·8	9·5
9·9	42·9	0·8	
10·7	50·9	7·9	
10·8	6 28·9	41·4	
10·8	29·9	37·0	
10·7	37·4	45·6	
10·2	44·4	12·4	
9·4	59·9	19·5	
8·0	7 0·4	22·8	9·0 G
10·7	17·9	29·8	
8·6	20·6	48·6	9·5
9·8	21·1	27·8	
10·1	35·1	34·3	
10·1	40·1	34·6	
9·4	42·1	7·4	
10·1	44·1	25·7	
10·0	52·1	12·1	
8·8	54·1	43·5	9·0
7·0	8 9·1	32·0	7·0 GSt
8·4	24·1	36·0	8·0 G
9·0	30·1	32·2	9·5
8·9	56·1	15·7	
8·6	58·6	42·0	9·0
9·8	9 2·1	49·8	
10·1	58·1	35·4	
8·9	10 26·6	54·7	8·5
9·0	50·6	34·6	10·0
25pr.	+0 52·1	—0·1	

901—960.

mag.	6h. m s	—36° ′	
10·0	10 58·1	15·7	
9·4	11 13·1	38·2	9·5
9·0	24·1	10·0	
10·1	40·1	15·7	
10·1	58·1	37·5	
9·2	12 6·1	38·6	9·0
10·0	11·1	31·6	
8·9	23·1	45·7	
9·8	39·1	51·1	
10·1	39·8	33·2	
8·9	47·3	1·5	
9·4	13 25·6	29·4	
9·5	47·6	7·8	
10·0	58·1	31·6	
10·0	14 12·1	3·8	
10·0	29·1	50·0	
8·5	30·1	16·2	9·5
9·8	40·1	27·1	
7·9	50·1	28·4	8·5
9·6	57·6	36·6	
9·5	59·1	40·8	
9·2	15 7·6	25·3	9·0
10·0	32·1	10·4	
10·1	43·1	49·3	
10·0	55·6	7·5	
7·8	56·6	17·8	8·0 G
9·2	16 24·1	38·5	
9·0	30·1	19·8	
9·0	58·6	36·3	
8·9	17 24·1	9·2	
9·4	54·1	25·8	
10·1	59·1	19·4	
10·1	18 20·1	11·7	
10·1	22·1	9·2	
10·1	27·6	13·5	
9·0	31·9	56·6	9·5
10·1	39·6	3·9	
8·9	51·6	4·1	
10·1	19 14·1	23·8	
6·9	27·4	57·1	7·0 GSct
8·5	29·6	0·3	
9·2	30·1	32·3	
10·1	31·9	57·2	
8·9	34·1	46·8	
7·2	41·1	38·6	6·5 GStπ
10·1	44·1	36·1	
7·7	46·6	38·1	7·0 GStπ
10·0	47·1	3·8	
10·0	48·6	14·2	
9·8	20 17·6	10·8	
9·6	24·2	15·9	
8·6	25·7	31·7	8·0 GS
8·8	27·7	18·7	
8·6	31·7	34·3	9·0
10·1	37·7	24·9	
10·1	44·7	39·0	
10·1	21 4·2	13·6	
9·8	6·7	17·6	
10·1	7·7	9·3	
9·6	19·7	15·9	
	+0 52·2	—0·7	

961—1020.

mag.	6h. m s	—36° ′	
9·0	21 20·7	16·2	
9·0	31·7	6·1	
9·6	50·2	22·1	
9·2	51·7	0·2	
9·4	22 19·0	58·6	
9·4	37·7	44·2	
10·0	23 0·1	14·8	
10·1	8·2	51·4	
9·4	9·2	32·7	
10·0	10·2	35·4	
9·5	49·7	24·9	
9·8	24 1·7	34·4	
9·5	10·7	3·9	
10·1	36·7	47·2	
10·1	41·7	47·2	
9·6	47·2	14·3	
9·0	58·7	46·1	9·0
8·4	25 19·7	6·1	9·0
10·1	20·7	39·0	
9·8	36·7	9·4	
9·4	26 7·7	6·7	
8·6	31·4	59·6	9·0
10·0	38·7	23·4	
9·5	54·2	51·7	
10·1	27 1·7	50·8	
10·0	9·2	50·2	
9·4	14·2	36·2	
7·4	15·2	51·2	7·0 GStπ
9·8	31·2	16·2	
9·8	28 3·7	7·0	
10·1	37·7	0·0	
8·9	46·2	12·5	
9·5	29 19·3	3·6	
6·9	26·3	8·3	6·0 GStπ
9·2	34·3	27·2	
10·1	30 4·3	6·3	
9·6	7·8	31·3	
10·0	33·3	47·1	
10·1	49·5	29·1	
10·1	55·5	3·9	
6·0	31 4·0	40·7	6·0 GStπ
10·0	8·5	38·3	
7·2	10·0	9·3	7·5 GSg
10·0	21·0	22·0	
9·8	22·0	34·8	
9·4	36·2	31·2	
10·0	38·5	36·1	
7·7	49·5	2·1	7·5 GSg
7·8	52·0	32·7	8·0
9·0	32 15·5	8·8	9·5
9·0	18·0	5·2	8·0 G
10·0	34·5	54·7	
10·0	41·0	2·8	
6·2	53·9	53·2	6·2 GStπ
9·9	33 6·0	45·9	
7·8	26·4	0·2	8·0 G
9·8	30·3	27·6	
9·9	42·3	51·1	
9·8	54·3	35·5	9·5
9·4	34 14·8	24·6	
	+0 52·3	—1·0	

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mag.	6h. m s	—36° ′	
9·8	34 19·8	32·6	
9·8	34·3	32·1	
9·9	35 2·3	2·2	
9·9	23·3	47·6	
8·4	42·8	50·5	8·0 G
9·9	49·3	40·8	
8·6	36 4·3	1·2	8·0 G
9·9	21·8	21·9	
8·7	32·3	21·4	9·0
9·0	46·8	51·0	9·0
9·9	37 19·8	14·8	
9·4	20·8	44·4	
9·9	33·8	19·1	
9·2	38 0·8	44·3	
9·4	8·8	19·4	
8·7	9·8	6·0	8·5 G
9·9	10·8	49·5	
9·0	17·3	7·1	8·8
7·6	18·8	30·4	8·2 G
9·6	39 20·8	24·9	9·0 G
9·9	32·8	26·8	
9·6	35·8	21·2	
9·6	42·3	26·1	
8·6	59·8	11·1	8·5 G
9·6	40 0·8	58·1	
8·2	12·8	19·6	9·0
9·9	14·3	50·1	
9·9	19·0	1·3	
8·2	23·3	31·6	8·5 G
9·2	38·8	38·5	9·5
9·9	38·8	39·1	
9·6	49·3	44·0	9·0
7·8	41 7·8	43·1	8·0 GSt
9·6	11·3	23·6	
9·9	39·3	7·8	
9·6	42·8	49·2	
9·5	56·3	17·0	
9·2	42 5·8	38·3	
9·5	18·3	3·7	
8·3	18·8	27·7	8·0 GSt
9·2	24·3	46·6	
9·9	51·8	3·6	
9·6	56·8	52·7	
9·4	43 4·3	40·0	
9·9	24·8	33·4	
8·7	33·8	4·8	9·0
8·8	46·8	51·7	9·0
9·6	44 14·3	8·2	
8·7	27·8	26·6	
9·2	54·3	59·5	
8·0	45 7·8	51·7	8·5 G
9·8	17·8	23·6	
9·6	35·3	13·6	
8·5	55·8	36·0	8·0 G
8·4	46 24·3	50·2	8·0 G
9·9	30·3	54·8	
8·8	58·3	19·6	9·0
6·9	47 18·3	4·8	6·0 GStπ
9·9	33·7	55·3	
9·9	42·3	44·4	
	+0 52·4	—1·5	

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1081—1140.

mag.	6h.–7h. m	s	—36° ′	
9·9	47	44·3	38·4	
9·9		44·3	56·3	
9·8		58·3	15·4	
8·5	48	38·3	31·5	9·0
9·2		46·3	11·3	
8·6		48·3	52·7	8·8
8·0		48·8	34·6	8·5 G
9·8		49·8	43·5	
9·9	49	13·8	41·9	
9·0		25·8	29·3	
8·2		32·8	24·0	8·0 G
9·1		59·3	29·3	9·0
9·1	50	9·8	7·8	
9·2		25·3	20·3	
9·9		27·8	30·1	
8·6		32·3	9·7	8·0 G
9·6		33·8	41·9	
9·9	51	9·3	34·5	
9·0		13·3	49·6	9·0
9·9	52	25·3	26·1	
9·9		47·8	54·4	
7·1		49·3	43·3	8·0 GSt
9·9		59·8	41·6	
9·1	53	10·8	28·9	
7·8		28·3	51·3	8·5
9·2		44·3	31·4	9·5
8·4		44·3	6·5	
9·2		57·8	23·4	
7·8	54	14·3	39·6	8·5 G
9·9		24·3	41·5	
9·9		41·3	53·2	
9·9		46·8	30·1	
8·2		48·8	38·6	8·0 G
9·8		54·3	49·4	
9·6		59·3	44·6	
9·5	55	43·3	12·0	
9·9	56	13·8	27·4	
9·0		27·5	29·8	9·0
9·8		29·8	59·8	
8·6		39·5	27·3	9·0
9·8		55·5	3·4	
9·3	57	8·0	59·0	9·0
10·0		17·2	30·8	
9·5		22·5	20·5	9·5
10·0		28·4	0·0	
9·2		33·2	43·0	
8·5		44·5	22·6	9·5
8·2	58	4·2	59·6	8·5 G
8·9		4·2	25·4	9·0
10·0		39·7	19·8	9·0
10·0	59	13·6	8·6	
9·4		34·7	10·5	9·5
10·0		57·7	7·7	
9·4	0	15·7	33·1	9·0
9·8		39·7	59·9	
9·7		58·7	45·5	
8·8	1	19·2	31·8	9·0 G
8·8		24·7	39·6	9·0
10·0		29·7	32·1	
10·0		32·2	44·6	
25pr.	+0	52·3	−2·0	

1141—1200.

mag.	7h. m	s	—36° ′	
8·6	1	34·7	13·7	8·5
8·7		51·2	25·3	9·0
8·6		59·2	52·2	9·0
9·4	2	18·7	29·3	9·5
9·2		38·2	59·6	
10·0		39·7	34·5	
9·4		44·7	4·4	
9·8	3	9·7	34·8	
9·4		37·7	53·3	
8·2		40·2	51·4	8·5
10·0		47·2	15·1	
9·0	4	9·0	1·1	9·c
9·8	5	5·0	7·0	
10·0		19·5	26·5	
10·0		30·0	26·7	
9·0		33·5	27·2	9·0
10·0	6	0·5	56·5	10·0
9·8		7·0	44·4	
9·8		29·5	50·5	
9·7		40·5	28·3	
10·0		42·5	50·1	
9·8		55·0	52·3	
10·0	7	0·0	57·1	
9·8		2·0	36·3	
9·8		10·0	12·3	
9·4		20·0	22·8	9·5
10·0		35·0	5·2	
8·9		40·0	17·9	9·5
6·1	8	0·0	20·0	6·5 GSct
10·0		3·5	7·1	
7·9		7·0	1·5	8·0 GSg
8·6		8·3	0·7	8·5 Gg
9·6		19·0	45·3	
9·4		38·5	39·0	
10·0		47·0	23·4	
10·0		54·0	17·1	
10·0	9	1·5	8·9	
9·2		3·5	56·0	
9·8		5·0	6·4	
9·7		10·5	45·3	
9·8		12·0	17·7	
9·8		30·0	4·3	
10·0		35·0	57·0	
9·2		45·0	5·8	9·5
8·1		46·5	12·7	7·2 G
8·9		55·0	50·1	
10·0		57·0	11·0	
9·0	10	1·0	36·5	9·5
10·0		15·0	17·4	
8·4		22·0	8·5	8·5
8·4		32·0	47·1	9·0 G
9·3		37·5	37·2	
7·5		43·7	0·5	7·5 G
8·6	11	1·0	20·4	8·0 GS−
9·8		3·0	42·3	
10·0		3·5	53·9	
10·0		3·7	17·4	
9·8		5·7	59·2	
10·0		9·7	19·6	
10·0		19·7	19·1	
	+0	53·1	−2·4	

1201—1260.

mag.	7h. m	s	—36° ′	
10·0	11	24·5	2·1	
10·0		30·7	23·0	
8·9		50·7	14·0	9·0
10·0		53·2	18·4	
8·8		54·2	31·8	9·0
8·8	12	0·7	44·2	
10·0		17·7	3·5	
5·5		22·7	22·1	5·5 GStπ
10·0		39·7	24·0	
7·8		40·2	53·4	8·5 Gg
6·3		44·7	52·4	3·0 GSπλ
8·2		44·7	37·1	9·0
10·0		47·7	7·2	
9·8		49·7	18·0	
9·3		51·2	41·8	
9·2		53·7	3·8	9·0
7·8	13	1·7	45·7	8·5
9·8		8·7	42·9	
8·0		8·9	59·2	8·5
9·6		23·7	14·5	
7·9		25·2	56·1	8·2 G
10·0		38·7	51·2	
10·0		38·7	17·4	
10·0		44·7	4·8	
5·0		51·7	30·4	5·0 GStπ
9·2		58·0	0·7	
7·8	14	5·7	32·4	8·5 G
9·5		6·7	40·0	
10·0		9·7	24·8	
5·6		11·2	30·7	5·5 GStπ
8·1		14·2	59·9	8·2
9·8		31·7	44·4	
10·0	15	4·7	4·8	
9·8		13·2	17·3	
9·0		22·2	45·4	
9·4		25·2	16·1	
8·8		32·7	23·7	
9·2		44·2	13·2	
10·0	16	1·7	35·6	
9·2		6·7	41·0	9·0
9·3		22·7	8·0	
8·5	17	7·7	12·6	9·0 G
8·0		9·2	15·4	8·5 G
10·0		14·7	49·3	
10·0		16·2	17·2	
9·7		16·2	34·6	
8·9		18·5	20·2	9·0
8·0		25·5	23·3	8·5
8·2		34·5	16·8	8·5
10·0		35·0	14·2	
10·0		48·5	38·1	
8·9		59·7	59·1	
8·8	18	5·5	30·2	
9·3		5·7	59·4	
8·8		10·0	48·6	9·0
10·0		14·5	24·4	
9·4		18·5	30·8	
8·0		25·0	50·2	8·2
8·0		44·0	34·7	9·0
8·7		47·5	47·4	8·5
	+0	53·3	−2·7	

1261—1320.

mag.	7h. m	s	—36° ′	
7·1	18	50·0	5·9	GS−g
9·6		57·3	1·4	
9·8	19	3·5	53·6	
7·9		27·5	43·3	8·5 G
8·5		35·5	25·5	9·0
8·5		49·5	36·1	9·0
9·8		59·5	12·3	
9·4	20	5·0	22·2	
9·5		9·5	38·2	
9·2		11·5	18·8	9·0 S
9·6		19·5	29·8	
10·0		21·5	31·6	
9·3		24·0	38·2	9·0
9·3		28·5	44·5	
10·0		34·5	34·6	
9·4		42·3	1·0	
9·2	21	4·0	31·8	
10·3		20·2	9·5	
10·5		22·2	14·5	
10·2		29·7	42·9	
9·3		41·7	15·8	10·0
10·4		49·2	8·7	
9·2		53·2	20·8	9·5
9·4		57·6	10·0	
9·6	22	8·1	4·0	
10·5		17·7	25·6	
10·1		33·6	38·8	
10·4		41·8	55·4	
10·5		41·8	48·1	
10·3		43·3	1·0	
10·5		43·8	40·0	
10·5		48·4	57·6	
9·8		49·7	27·4	9·5
9·8		50·7	43·3	
10·4	23	5·2	48·0	
10·4		8·7	31·8	
10·5		15·7	19·0	
9·4		31·2	46·0	9·0
10·2		40·7	36·2	
10·1		50·7	30·4	
10·2		52·0	1·0	
10·5		52·2	27·8	
9·8		52·7	12·6	
9·6	24	1·7	39·5	9·5
10·5		4·7	49·0	
10·2		9·1	56·7	
9·4		9·7	8·1	
10·5		9·7	22·6	
10·5		14·2	12·9	
9·8		29·7	19·3	
10·5		30·7	36·1	
10·0		39·1	58·0	
10·5		45·7	31·0	
9·8		48·7	8·3	
10·5		54·7	45·7	
8·4	25	1·2	25·5	8·0 G
9·8		17·2	6·4	
10·3		18·2	44·5	
9·5		19·7	3·7	
10·5		32·7	53·8	
	+0	53·6	−3·0	

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1321—1380.

mag.	7h. m s	−36° ′	
9·5	25 39·7	34·9	
10·5	40·7	59·0	
10·3	49·7	17·2	
10·2	54·7	16·8	
10·2	59·7	29·4	
10·1	26 0·1	59·9	
10·5	3·2	49·6	
10·1	17·2	56·0	
10·1	34·4	21·1	
9·8	37·2	5·1	
10·3	39·7	40·4	
10·5	40·7	49·8	
8·6	45·2	12·6	9·5
10·0	54·2	13·5	
10·0	54·2	26·3	
10·4	59·2	4·4	
8·4	27 0·7	37·6	8·5
10·1	3·2	40·2	
9·8	9·7	10·2	
9·0	11·2	35·6	8·5
9·6	13·7	40·2	9·0
9·0	24·7	48·9	9·0
10·3	24·7	0·6	
10·2	30·2	39·5	
10·1	35·2	59·2	
10·4	37·7	30·9	
9·6	38·2	40·5	
10·4	41·7	30·9	
10·4	46·2	40·8	
10·5	49·2	20·9	
10·1	53·2	12·5	
10·2	54·2	1·2	
10·1	59·7	51·8	
10·2	28 0·1	28·3	
8·9	0·7	50·1	9·0
10·3	7·2	25·3	
10·3	11·2	34·7	
9·6	12·2	22·6	
9·8	14·7	43·5	
9·6	15·2	33·1	
10·3	16·9	58·7	
10·2	20·7	30·5	
8·8	27·2	13·4	
10·4	27·7	7·0	
9·8	43·2	48·9	
10·3	59·7	37·3	
9·5	59·7	39·4	
9·0	29 0·7	3·9	
10·2	4·0	0·2	
10·2	4·7	6·5	
8·4	9·7	9·6	9·5
5·2	19·7	4·0	6·0 GStπ
9·8	20·7	51·1	
9·4	21·2	6·5	9·5
10·1	33·0	59·7	
10·2	40·2	46·3	
10·3	50·2	30·6	
9·6	30 8·2	27·6	
10·0	19·7	5·0	
10·5	21·7	48·3	
25pr.	+0 53·9	−3·1	

1381—1440.

mag.	7h. m s	−36° ′	
10·5	30 24·0	58·0	
10·4	24·7	22·1	
8·1	36·2	50·6	8·5
9·6	36·2	42·0	
9·8	38·7	2·1	
10·1	52·7	25·2	
9·6	31 0·2	6·8	
10·3	3·2	53·7	
10·1	5·2	53·2	
8·6	9·7	32·8	9·0 G
10·2	23·7	54·6	
8·6	25·2	48·1	8·5
8·6	28·7	25·4	9·0
9·2	28·7	22·8	
10·0	29·7	30·0	
10·4	31·7	41·0	
9·8	31·7	55·5	
10·0	32·2	28·2	
9·0	32·7	21·3	
9·6	40·2	35·1	
10·3	49·7	55·7	
10·3	53·0	2·0	
9·6	55·7	30·0	
9·8	56·0	1·4	
10·3	58·7	35·1	
9·5	32 1·2	17·5	
9·8	5·7	17·9	
9·8	8·7	14·4	
10·4	12·2	45·1	
10·0	16·7	45·2	
10·4	17·2	41·6	
8·6	17·2	26·4	
9·8	20·7	3·9	
10·1	23·7	17·9	
10·4	24·7	21·4	
9·8	30·7	15·9	
10·5	30·7	55·9	
9·8	31·2	19·0	
10·4	34·7	25·0	
10·5	39·7	17·2	
10·5	41·2	41·2	
9·0	43·7	5·3	9·0
10·5	49·7	32·8	
8·2	51·2	8·2	7·2 GS−
9·6	51·2	23·9	
9·8	53·2	36·6	
10·1	55·2	37·1	
10·3	55·7	33·8	
9·6	55·7	22·4	
10·3	33 1·2	16·1	
9·6	3·0	59·1	
10·1	9·7	51·7	
10·5	10·7	30·6	
9·6	14·7	54·8	9·5
10·5	14·7	39·6	
10·1	14·7	23·1	
10·5	24·2	47·9	
10·0	29·7	19·7	
10·5	30·7	32·7	
10·5	32·2	19·3	
	+0 54·1	−3·3	

1441—1500.

mag.	7h. m s	−36° ′	
10·5	33 33·2	5·8	
10·5	35·7	4·9	
10·2	36·7	11·2	
9·2	38·7	13·3	9·0
10·5	42·2	24·0	
10·5	51·7	53·0	
10·3	53·2	13·6	
10·1	54·2	12·2	
10·4	54·7	23·2	
10·2	56·7	48·2	
9·8	34 0·7	10·8	
9·6	5·7	13·1	9·0
9·4	7·7	52·0	
10·1	8·7	12·4	
10·5	8·7	19·4	
9·6	8·7	10·6	9·0
6·2	11·7	12·7	6·2 GStπ
10·5	22·2	13·1	
10·5	22·7	27·7	
10·5	23·7	22·8	
10·1	24·2	35·8	
10·5	27·2	31·4	
9·2	29·2	7·3	9·5
9·6	29·2	28·5	
9·4	29·7	26·5	
10·1	29·7	28·8	
9·6	32·7	36·5	
9·4	34·7	5·3	
10·4	38·7	42·9	
10·5	46·2	16·8	
9·8	51·7	30·1	
10·4	52·7	24·0	
9·6	57·7	14·7	
10·1	59·7	27·0	
9·8	59·7	31·5	
9·6	35 0·7	45·1	
10·4	3·2	40·3	
8·3	4·7	12·9	8·0 G−
10·1	6·2	31·2	
10·4	9·7	51·0	
10·5	15·2	20·7	
10·5	16·3	0·9	
10·5	19·7	12·8	
10·2	20·2	36·7	
8·8	24·2	52·5	8·5
9·3	24·2	50·7	
10·0	27·7	15·5	
9·6	27·7	9·1	
9·6	29·2	21·7	
9·4	29·7	56·8	
10·5	31·7	0·9	
10·1	38·2	6·6	
10·5	41·2	48·0	
10·4	41·7	22·4	
10·5	49·7	50·0	
9·8	50·7	26·9	
10·5	50·7	22·1	
10·4	54·2	50·8	
10·5	54·2	47·3	
9·8	59·2	23·9	
	+0 54·2	−3·4	

1501—1560.

mag.	7h. m s	−36° ′	
10·1	36 1·2	13·2	
10·3	1·7	35·1	
10·2	4·7	41·2	
9·8	7·7	11·8	
10·5	9·7	52·9	
10·3	9·7	4·8	
9·3	15·7	17·1	
10·4	17·2	29·9	
10·5	18·7	6·0	
9·8	24·2	35·1	
9·8	26·5	57·1	
10·3	28·7	17·4	
8·5	29·7	34·6	8·0 G−
10·5	40·7	6·1	
9·6	41·7	34·0	
9·6	42·7	19·6	
10·0	44·7	23·2	
10·5	45·2	30·1	
10·3	45·7	8·7	
10·5	47·2	28·1	
9·2	47·7	43·1	
10·2	49·7	13·7	
8·8	51·2	53·5	9·5
10·5	52·1	27·8	
10·5	52·2	46·9	
10·0	52·7	38·6	
10·5	58·1	48·9	
10·5	58·2	23·8	
10·5	37 9·7	43·1	
10·3	10·7	22·5	
10·3	10·7	41·8	
9·6	14·2	49·8	
10·1	22·2	53·3	
9·8	25·7	26·9	
10·0	28·2	25·4	
10·4	37·7	29·7	
10·3	38·2	18·9	
8·8	54·7	5·7	9·0
10·5	56·2	23·8	
10·5	38 0·2	57·5	
7·8	0·7	4·8	8·0 G−
9·8	7·7	6·1	
9·2	10·7	3·2	9·0
10·3	10·7	5·0	
9·8	20·2	14·3	
9·8	20·7	45·9	
10·5	21·1	27·1	
10·5	22·7	46·0	
10·5	23·7	9·2	
10·3	29·9	25·1	
9·8	32·9	13·6	
10·4	34·9	36·3	
10·1	35·4	36·5	
9·4	44·9	12·0	
9·8	48·4	10·1	
10·1	51·4	20·1	
10·5	51·9	14·8	
10·4	57·4	11·2	
10·3	59·9	52·0	
8·8	59·9	23·6	8·0 G−
	+0 54·3	−3·4	

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1561—1620.

mag.	7h. m	s	—36° ′	
10.5	39	0.1	13.5	
10.5		3.4	28.8	
8.3		5.4	47.5	8.5 G
10.5		7.0	0.4	
10.0		8.4	47.1	
10.2		9.9	48.4	G
10.0		15.4	16.9	
10.4		15.9	47.4	
10.1		17.9	36.0	
10.3		20.9	24.1	
10.2		23.9	32.0	
9.8		28.9	17.8	
9.8		29.9	15.3	
9.8		32.4	48.1	
10.3		39.9	21.3	
9.6		39.9	52.0	9.0
10.4		43.9	59.5	
10.3		45.9	48.0	
10.4		51.9	47.8	
10.4		53.9	46.9	
9.6		59.9	49.9	
9.6	40	1.9	49.1	
10.5		4.9	54.3	
10.3		8.9	57.1	
10.2		13.9	45.5	
10.3		17.4	5.8	
9.8		19.9	15.0	
10.5		20.0	35.9	
10.1		25.9	34.8	
10.3		27.4	44.1	
10.1		29.4	21.8	
10.5		38.4	40.5	
10.5		39.0	39.8	
10.4		39.9	43.1	
9.4		40.9	26.0	
9.6		42.9	33.0	
10.5		44.0	26.2	
10.5		44.9	39.6	
10.4		49.9	40.0	
10.4		50.9	46.6	
9.8		53.5	1.5	
10.5		54.9	58.2	
10.5		58.4	22.0	
10.5	41	4.0	43.2	
9.8		4.9	31.1	
9.8		9.9	39.8	
10.4		10.4	18.1	
8.4		21.9	11.6	8.5 G
9.2		23.9	37.0	9.0
9.8		25.4	36.9	
10.2		25.4	26.1	
10.1		28.9	23.3	
10.5		29.9	35.5	
10.3		33.9	54.9	
10.4		36.9	25.1	
9.5		40.9	19.5	
9.6		44.9	18.3	
10.5		49.9	16.0	
10.4		54.4	43.4	
10.3		55.9	20.7	
25pr.	+0	54.4	—3.5	

1621—1680.

mag.	7h. m	s	—36° ′	
10.3	41	57.9	3.0	
10.5		59.9	15.3	
9.6	42	5.9	11.1	
10.4		7.9	7.2	
9.0		18.9	9.8	9.0
9.8		19.9	51.6	
9.3		20.4	16.6	9.5
10.3		26.9	4.0	
10.5		29.9	19.9	
10.0		29.9	12.9	
10.5		31.9	21.1	
10.2		31.9	24.6	
9.8		31.9	40.6	
9.8		40.1	57.0	
10.5		44.4	7.4	
10.5		49.8	24.5	
10.5		49.9	20.2	
9.6		50.9	42.0	
9.8		50.9	55.5	
10.5		51.9	3.3	
10.0		54.9	30.1	
10.3		58.9	37.0	
10.5	43	2.4	24.2	
9.2		10.9	50.7	
10.4		12.4	49.1	
10.2		16.9	17.0	
9.2		19.9	59.3	
10.4		19.9	24.8	
10.0		21.9	5.9	
10.5		28.9	54.7	
9.4		30.9	7.7	
10.2		34.9	30.9	
9.0		41.9	58.1	9.5
9.8		48.9	37.1	
9.6		49.9	40.9	
9.4		50.9	32.0	
9.8		51.9	27.4	
9.5		54.9	27.3	
10.1	44	3.9	30.9	
9.6		4.2	10.7	
9.8		11.7	9.4	
10.0		16.2	52.3	
9.8		18.7	51.8	
10.5		19.2	28.0	
10.5		20.2	38.8	
10.2		20.2	27.6	
10.3		21.2	15.4	
10.4		21.7	36.8	
9.8		25.2	51.0	
10.2		25.2	37.9	
10.5		27.2	24.5	
9.8		34.2	43.6	
10.0		37.3	59.0	
9.6		41.7	54.5	
9.6		50.2	52.6	
9.8		51.7	10.5	
10.1		52.7	31.1	
10.5		54.2	36.5	
10.0		55.2	38.6	
10.5	45	4.2	35.6	
	+0	54.5	—3.6	

1681—1740.

mag.	7h. m	s	—36° ′	
10.5	45	8.7	2.9	
10.4		10.7	53.8	
10.0		12.2	41.9	
9.2		20.7	41.0	9.5
10.1		21.2	25.6	
9.8		21.5	57.6	
10.5		22.2	20.8	
9.2		23.7	47.5	9.0
10.0		27.2	18.3	
10.5		29.2	16.0	
9.4		29.5	59.3	
10.5		30.2	29.0	
10.5		31.2	5.5	
9.6		38.7	37.3	
8.9		41.2	49.0	9.0
10.5		42.2	30.2	
10.3		42.2	8.0	
10.5		50.8	0.2	
9.3		54.2	43.9	9.5
10.3		55.4	0.1	
10.1		55.7	53.6	
10.0		57.9	1.1	
10.4		58.2	6.2	
10.0	46	1.2	5.7	
10.5		2.3	21.3	
10.4		12.8	44.6	
10.5		15.3	47.2	
10.2		20.3	12.0	
10.2		28.8	46.9	
8.0		31.3	9.4	8.0
9.8		35.8	50.8	
10.5		36.3	18.8	
10.3		40.3	36.2	
9.8		42.8	35.4	
10.3		53.8	55.6	
9.6		57.1	51.6	
10.5	47	2.8	21.8	
10.3		9.8	50.8	
10.5		10.3	51.0	
10.1		10.9	9.0	
10.3		16.3	39.6	
10.2		48.8	13.1	
9.6	48	2.1	1.7	10.0
8.6		15.4	35.4	
10.0		20.4	54.5	
9.8		22.4	25.1	
10.2		24.4	59.5	
10.0		26.4	15.0	
6.6		28.8	2.4	6.0 GStπ
9.6		31.4	11.9	9.0
9.6		39.4	46.8	
8.8		44.4	11.8	9.0
7.8	49	0.4	36.6	8.0 G
10.0		13.3	2.0	
10.2		14.9	24.0	
10.2		21.4	3.6	
10.2		23.9	38.7	
10.3		25.9	28.9	
10.0		26.9	17.0	
9.0		33.4	59.5	
	+0	54.7	— ·	

1741—1800.

mag.	7h. m	s	—36° ′	
10.3	49	38.4	52.9	
9.8		49.4	32.8	
10.0		54.9	16.4	
9.8		58.4	23.9	
10.0	50	0.4	26.1	
9.4		1.4	54.4	
10.3		9.4	4.1	
10.2		11.4	20.4	
9.8		17.4	7.0	
10.0		19.4	36.1	
9.8		20.9	27.6	
10.2		21.9	46.9	
9.3		37.4	14.9	
10.2		45.8	1.5	
9.6		47.9	40.5	
8.0	51	3.9	15.3	8.0 —
9.8		7.4	33.1	
10.0		11.4	17.7	
10.2		19.9	1.6	
10.2		27.0	59.3	
10.2		30.4	36.9	
10.2		39.9	12.3	
9.6		43.4	49.3	
9.8		44.4	38.0	
10.2		51.9	40.7	
9.8		55.4	10.1	
8.7	52	12.9	26.7	9.0
8.4		20.9	34.3	8.5
9.6		25.9	54.7	9.5
9.3		25.9	10.8	
9.8		40.9	58.7	
10.2		44.4	9.9	
9.6		49.9	19.1	
9.6		54.9	20.4	
9.6		59.4	29.3	
10.2	53	2.4	2.3	
10.0		9.2	58.7	
10.2		9.9	51.1	
10.2		21.4	52.5	
10.2		26.9	34.3	
10.2		34.4	40.7	
10.2		39.4	42.9	
10.0		47.9	18.2	
10.0		47.9	12.1	
8.1		54.9	5.1	8.2 G—
8.5		57.4	17.7	8.5
9.8		58.4	6.5	
9.8		58.9	34.8	
7.7	54	2.4	40.5	7.5 GS—g
10.2		7.9	7.9	
10.0		8.4	33.8	
10.2		14.4	28.8	
10.2		15.9	13.9	
9.6		39.9	9.8	
9.6		49.4	31.8	
7.5		58.0	57.8	8.0 GSg
9.6		58.4	30.5	
10.2		59.4	46.9	
10.2	55	4.4	20.4	
10.2		6.9	16.1	
	+0	55.0	—3.9	

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1801—1860.

mag.	7h. m s	−36° ′	
9·8	55 12·4	11·3	
10·0	14·4	22·9	
8·7	19·4	34·7	9·0
10·2	21·4	12·1	
9·6	25·7	58·4	
10·2	25·9	4·1	
10·0	27·4	43·8	
10·2	29·4	11·5	
10·0	35·4	39·6	
10·0	37·4	50·4	
8·2	40·4	23·3	8·5
9·4	40·4	13·5	
10·0	40·4	18·8	
9·6	55·4	3·3	
9·3	55·4	17·2	
10·0	55·4	12·3	
9·0	56·9	9·0	
10·2	56 4·4	5·1	
8·8	19·9	54·9	9·0
8·2	20·4	26·2	8·0
9·3	24·9	7·0	
9·3	26·9	33·7	
10·0	27·9	52·3	
10·0	46·4	14·6	
10·2	52·4	52·8	
10·2	57·4	6·6	
10·0	57·4	33·0	
8·2	59·4	51·1	8·3
10·2	59·6	1·3	
8·2	57 1·4	19·4	
6·9	3·4	56·3	6·5 GSct
10·2	7·4	33·5	
9·8	10·4	50·9	
10·2	19·4	18·8	
8·0	30·4	42·1	7·0 GS–ct
9·3	39·4	20·1	
9·8	40·4	45·4	
9·8	42·6	0·8	
9·8	42·9	53·9	
7·9	48·4	29·2	7·5 G–
10·2	54·4	26·6	
7·5	59·4	3·2	7·0 G
10·0	58 0·4	25·6	
10·0	0·9	7·8	
9·6	8·4	39·7	
10·0	8·9	17·8	
9·8	10·3	2·0	
9·6	12·9	23·8	
10·0	15·4	17·8	
10·2	15·4	40·8	
9·4	15·9	28·8	
10·2	20·4	16·2	
9·8	21·9	28·2	
9·1	23·9	14·8	
9·6	24·4	28·8	
10·0	31·9	7·6	
10·0	33·9	34·6	
10·0	35·4	22·0	
10·2	37·4	37·1	
10·2	39·4	34·1	
25pr.	+0 55·2	−4·1	

1861—1920.

mag.	7h.–8h. m s	−36° ′	
10·0	58 40·4	56·8	
9·4	42·4	4·9	
9·6	43·9	5·1	
10·2	48·4	42·9	
10·0	49·4	30·7	
9·4	49·4	15·5	
8·8	51·4	47·5	9·0
8·4	59·4	56·9	8·8
10·0	59 3·9	31·1	
9·8	7·9	56·2	
10·2	8·4	4·5	
9·4	8·9	17·3	
9·6	10·9	18·1	
10·2	11·4	5·6	
10·0	14·9	6·9	
9·8	14·9	9·0	
9·8	21·4	12·6	
10·2	24·9	7·2	
10·2	25·9	56·2	
8·4	26·4	12·8	8·0
8·8	29·4	3·7	8·2
10·2	30·5	2·2	
10·0	30·9	43·4	
10·2	31·9	42·1	
10·0	37·4	21·5	
10·2	40·4	37·4	
9·8	41·9	55·9	
10·2	43·4	0·8	
9·0	44·9	4·6	9·2
9·3	46·1	2·0	
10·2	46·4	33·6	
10·2	47·4	4·0	
10·2	47·4	6·2	
10·2	49·4	5·5	
10·2	53·4	38·1	
10·0	54·9	56·9	
10·0	55·4	54·6	
8·8	56·9	25·3	9·0
9·6	0 0·4	20·8	
9·6	4·4	35·4	
10·0	6·5	3·6	
10·0	22·5	54·2	
9·6	25·0	52·7	
10·2	31·0	17·1	
10·2	39·0	11·5	
9·4	39·5	47·6	
8·4	39·5	22·9	8·5
9·8	45·5	6·1	
8·8	50·5	8·9	9·5
8·4	54·0	39·7	8·5
9·6	55·5	22·9	
10·0	59·5	42·3	
9·6	59·5	27·9	
9·8	1 1·5	26·8	
10·0	1·5	57·6	
10·0	13·0	32·2	
9·3	19·9	1·9	9·0 G
8·8	21·0	1·2	9·5 G
10·2	29·5	2·2	
8·8	29·9	2·9	8·2 G
	+0 55·4	−4·2	

1921—1980.

mag.	8h. m s	−36° ′	
9·8	1 30·0	7·9	
10·2	37·5	38·3	
9·8	41·0	10·3	
10·2	43·0	4·0	
9·8	45·5	26·2	
10·0	49·0	24·7	
9·6	55·5	36·6	
10·2	57·9	0·1	
10·2	59·5	1·2	
10·0	59·5	54·7	
10·2	2 3·0	32·0	
9·4	5·0	2·9	9·5
8·7	7·5	29·7	
9·8	10·0	15·0	
10·0	10·5	39·1	
10·2	19·5	32·1	
10·0	20·0	39·6	
7·8	29·5	1·5	7·8 G
9·4	35·5	22·7	
9·8	43·5	2·9	
10·2	44·0	0·9	
9·6	45·5	3·9	9·0
10·0	52·0	25·1	
10·2	55·0	58·9	
9·8	59·5	16·3	
9·8	3 2·5	53·3	
10·2	10·0	7·0	
10·2	12·0	9·9	
10·2	15·5	31·0	
10·2	19·5	16·9	
10·2	28·5	31·0	
7·8	29·5	3·3	8·8 –
10·0	43·0	2·1	
10·0	45·5	0·2	
9·8	46·0	48·5	
8·4	47·5	26·2	
10·2	48·0	28·3	
9·8	48·0	33·3	
10·0	50·5	20·5	
10·2	53·0	28·4	
9·0	57·5	43·9	9·0
10·2	4 0·5	7·9	
9·0	4·5	4·1	9·0
10·2	5·5	10·5	
10·2	6·0	8·9	
9·2	10·5	53·6	
9·6	13·5	55·2	
9·6	14·0	15·1	
10·0	14·5	25·1	
10·2	15·5	46·9	
10·0	17·5	8·0	
10·2	17·5	49·4	
10·2	18·0	32·3	
10·2	20·5	50·4	
10·2	21·5	56·3	
9·4	28·5	41·8	
10·0	28·5	52·1	
9·8	29·5	56·9	
9·6	30·0	25·9	
10·0	31·0	43·0	
	+0 55·6	−4·3	

1981—2040.

mag.	8h. m s	−36° ′	
8·8	4 34·5	49·7	9·2
8·8	34·5	9·9	
9·8	37·5	22·6	
9·6	38·5	46·7	
10·0	41·0	18·2	
9·0	42·0	51·6	9·5
9·6	44·0	35·9	
10·2	53·5	12·9	
10·2	54·0	57·9	
9·2	55·5	27·6	
9·4	58·0	7·9	
9·8	58·0	31·1	
8·8	59·5	27·8	–
10·0	5 1·0	38·4	
9·6	3·0	36·2	
9·8	3·5	30·0	
9·0	7·5	20·7	
10·2	8·6	58·2	
10·2	16·5	11·6	
10·0	17·5	36·2	
10·2	18·0	54·8	
10·0	19·5	15·9	
9·8	23·0	14·9	
10·0	24·5	52·7	
8·8	25·5	10·1	8·8
10·2	28·0	9·9	
10·2	28·5	24·1	
10·2	29·0	18·2	
9·6	31·5	33·8	
9·4	34·5	56·0	9·5
10·2	35·0	8·1	
9·8	37·0	31·3	
10·0	38·0	5·2	
9·0	41·5	14·1	9·0
8·1	43·0	48·6	8·8
9·4	54·5	9·9	
10·2	54·5	48·2	
9·8	58·5	6·9	
10·0	6 0·5	44·5	
9·1	2·5	7·6	
8·7	3·5	23·2	9·0 S
10·2	4·5	30·7	
10·2	6·0	39·6	
9·4	9·5	14·0	
10·2	14·9	2·6	
8·4	18·5	51·0	8·5
10·2	19·5	10·8	
9·2	19·5	11·8	
9·4	19·5	22·2	
10·0	20·0	11·2	
9·4	20·5	22·0	
10·2	21·0	3·6	
10·2	22·0	42·8	
10·0	23·5	19·5	
6·9	24·5	55·3	7·0 GStπ
9·8	24·5	43·1	
10·0	28·5	19·7	
10·2	29·5	46·0	
9·4	30·5	51·2	9·5
9·6	37·0	49·4	9·0
	+0 55·8	−4·4	

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2041—2100.

mag.	8h. m s	–36° ′	
10·2	6 39·5	17·8	
9·1	40·7	57·1	
8·1	41·5	25·7	7·5 GS–t
9·8	41·5	43·0	
9·8	44·2	1·5	
8·8	46·5	23·0	9·5 S
8·8	48·0	15·4	
10·2	53·5	14·0	
9·8	54·5	3·1	
10·2	56·0	45·6	
10·0	58·5	11·5	
8·5	59·5	50·5	9·0
8·6	7 4·5	48·8	8·5 G
10·2	10·5	24·2	
10·2	14·5	3·6	
10·0	16·0	38·2	
9·8	18·0	54·2	
10·2	19·5	25·6	
9·3	19·5	52·7	
9·6	23·5	19·5	
10·2	29·5	6·2	
10·2	30·0	9·5	
9·8	30·0	39·9	
9·8	30·5	24·8	
9·6	31·5	45·8	
10·0	40·5	5·0	
8·1	43·5	34·1	8·0
10·0	49·0	42·6	
7·3	49·5	36·8	7·0 GSct
9·6	49·5	56·1	
10·2	50·0	24·8	
10·2	51·0	10·0	
8·6	55·5	17·6	
8·8	58·5	17·9	–
10·2	59·0	7·9	
9·8	8 2·4	2·3	
10·0	3·5	8·6	
10·2	5·5	11·6	
10·2	5·5	14·7	
9·8	7·0	34·9	
8·4	8·0	8·1	
10·0	9·5	38·9	
8·0	9·5	40·5	8·5 G
9·0	11·0	17·8	
10·2	11·0	18·7	
9·6	12·5	23·2	
8·8	16·5	47·6	9·0
9·8	17·0	38·9	
10·0	27·5	47·3	
10·0	29·5	28·6	
10·0	29·7	2·7	
9·4	30·0	55·3	
9·8	34·5	42·9	
10·2	36·0	18·3	
10·2	38·5	17·1	
10·2	39·5	2·3	
9·0	39·5	45·7	9·2
9·8	39·5	57·5	
9·8	46·5	11·7	
10·2	47·5	10·2	
25pr.	+0 55·9	–4·4	

2101—2160.

mag.	8h. m s	–36° ′	
10·2	8 48·5	2·9	
8·4	50·7	1·9	
9·1	50·7	2·2	
10·2	54·0	40·7	
10·0	54·0	34·0	
9·6	58·5	4·7	
9·8	59·0	6·4	
10·0	59·5	6·0	
10·2	9 2·0	30·2	
10·0	4·0	59·3	
9·8	4·5	1·9	
9·8	9·5	53·3	
10·0	12·0	31·2	
10·2	14·0	20·1	
10·2	19·5	22·6	
10·2	21·5	12·3	
7·2	24·0	34·3	7·5 G
7·9	24·5	2·9	8·0
9·0	29·5	21·7	
9·1	31·5	34·9	
10·2	33·2	17·9	
10·2	33·2	37·0	
8·8	38·2	6·4	9·5
10·0	39·7	58·7	
10·2	41·0	55·2	
10·2	42·2	52·3	
9·8	42·7	4·5	
9·6	49·7	16·0	
10·0	52·7	55·8	
10·2	55·0	51·4	
9·8	55·2	6·6	
10·2	56·7	55·1	
10·2	57·7	28·0	
9·8	59·2	52·8	
8·8	59·7	27·1	8·5
10·2	10 0·7	35·7	
10·2	8·2	57·8	
10·2	10·2	2·6	
10·2	10·7	28·2	
9·6	11·2	39·9	
10·0	14·2	43·6	
10·2	17·0	28·8	
9·4	17·7	0·5	
9·8	17·7	46·5	
10·2	18·7	12·0	
9·8	19·2	48·5	
10·2	20·5	1·9	
10·0	21·2	48·9	
7·7	22·2	16·3	8·0 –
10·2	23·2	22·2	
9·6	24·7	58·3	
10·2	24·7	15·1	
9·0	37·7	31·7	
8·2	39·7	5·3	8·3
7·0	49·7	59·5	7·5 GSg
10·2	49·7	24·1	
9·6	50·7	0·8	
8·7	51·2	44·1	9·0
10·2	54·2	26·7	
10·2	57·2	22·7	
	+0 56·0	–4·5	

2161—2220.

mag.	8h. m s	–36° ′	
10·2	10 59·7	32·9	
10·2	11 1·7	1·4	
9·8	6·2	46·1	
9·6	6·2	24·1	
10·2	9·2	30·5	
9·4	11·2	48·7	
9·4	13·7	10·3	
9·6	17·7	53·9	
10·2	21·2	11·5	
: 8·7	22·4	52·9	9·5
9·4	23·2	12·4	
10·2	25·2	52·1	
9·6	28·2	17·2	
9·6	30·7	43·7	
10·2	31·7	21·9	
9·8	33·2	33·3	
9·8	36·7	10·4	
10·2	36·7	53·7	
9·0	37·7	8·9	8·5
10·2	42·2	27·6	
9·8	43·2	41·7	
10·2	47·7	32·1	
10·0	48·2	54·7	
9·8	51·7	25·9	
10·2	54·7	17·5	
9·8	57·2	22·7	
8·6	59·7	15·1	8·0 GSg
9·4	12 2·2	49·1	
9·8	3·2	43·7	
8·6	6·9	33·1	9·5
9·6	7·4	47·9	
9·4	9·2	29·6	
9·6	9·9	13·9	
10·2	16·3	38·2	
9·8	22·2	9·0	
10·2	24·2	5·1	
10·2	29·4	6·8	
9·8	29·7	10·0	
10·2	29·7	24·2	
10·2	29·9	27·1	
8·2	30·2	43·6	9·0
9·8	31·7	45·1	
10·0	35·4	47·0	
10·2	39·3	52·8	
9·8	41·4	6·0	
9·0	42·2	3·5	
10·0	44·4	1·3	
9·8	44·4	25·6	
10·2	44·9	59·2	
9·0	58·9	17·5	
9·8	59·4	37·8	
10·0	13 0·1	43·1	
10·2	1·3	8·0	
10·2	2·3	6·3	
10·0	4·4	38·3	
9·8	7·9	47·4	
10·2	9·8	36·3	
10·2	9·8	13·4	
9·8	12·4	57·9	
8·7	15·9	9·7	
	+0 56·1	–4·6	

2221—2280.

mag.	8h. m s	–36° ′	
10·8	13 19·3	52·7	
10·4	19·4	8·3	
8·6	21·4	30·3	
10·8	21·6	19·0	
10·7	25·1	16·0	
10·8	30·6	6·7	
10·6	32·6	32·7	
6·9	34·4	59·3	7·0 GSg
10·0	37·1	47·6	
10·4	38·1	55·2	
9·8	40·1	15·8	
10·4	40·6	41·8	
9·4	44·1	13·6	9·5
9·8	51·1	55·3	
5·4	52·1	16·1	5·0 GStπ
10·8	54·6	21·6	
10·7	55·1	13·5	
10·7	59·1	38·8	
9·8	14 0·1	0·6	
9·2	0·1	27·0	
10·7	1·6	50·9	
10·7	6·6	45·1	
10·4	7·6	10·4	
10·8	10·1	43·0	
10·0	12·1	45·3	
10·8	12·1	42·8	
9·4	13·1	32·5	
10·8	14·1	20·0	
10·8	14·1	22·2	
10·4	18·6	23·0	
10·8	20·9	58·8	
9·3	21·1	33·5	
10·8	22·6	6·6	
10·2	24·1	26·6	
9·2	25·1	47·6	
10·4	25·6	23·6	
10·6	28·1	7·5	
10·7	32·6	28·7	
10·7	38·6	8·4	
9·0	40·1	46·7	9·0
10·8	40·6	5·1	
10·4	42·6	28·9	
9·2	44·1	53·7	
10·7	45·1	7·2	
9·8	47·6	38·0	
10·7	50·1	12·3	
10·4	50·1	7·4	
10·8	51·6	27·5	
10·8	56·1	7·9	
10·8	15 0·1	55·9	
10·4	2·6	22·1	
10·8	4·6	6·6	
9·2	5·1	8·2	9·5
9·8	5·1	24·5	
9·2	6·1	31·9	
10·8	10·1	29·1	
8·0	12·6	48·7	8·8 Gg
10·0	15·1	24·9	
7·5	16·1	13·1	–
10·4	20·1	8·8	
	+0 56·2	–4·6	

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2281—2340.

mag.	8h. m s	—36° ′	
10·6	15 21·1	18·2	
10·8	24·1	12·0	
10·0	24·6	53·7	
9·4	24·6	27·0	
10·8	25·1	17·8	
10·8	31·1	56·3	
10·4	31·1	35·2	
10·7	31·1	6·8	
10·0	32·1	3·4	
9·2	35·1	55·3	
9·0	36·1	44·7	9·5
10·0	36·1	40·0	
10·6	36·6	14·1	
10·2	39·1	14·8	
10·7	39·6	4·9	
9·0	44·1	42·1	
9·0	45·1	51·8	
10·4	48·1	20·8	
10·0	51·1	50·1	
10·6	52·1	35·1	
10·7	52·6	27·5	
9·0	58·1	54·8	9·5
10·7	59·1	49·6	
9·2	16 1·1	41·7	
9·4	2·6	25·1	
10·0	7·1	6·6	
10·6	8·6	47·5	
8·6	11·1	49·5	9·0
10·4	11·1	40·0	
10·4	14·1	40·1	
10·2	15·1	21·2	
8·3	17·6	12·1	9·0
10·8	20·1	11·8	
9·2	22·6	29·8	
10·6	30·1	26·3	
10·0	30·1	24·8	
10·7	30·1	27·5	
9·4	30·6	50·2	
10·7	31·1	35·5	
8·8	35·1	26·7	
5·3	38·6	5·2	6·0 GSct
10·0	39·1	57·6	
9·4	43·6	3·0	8·5
10·8	45·6	2·9	
10·4	48·1	19·4	
10·4	48·1	59·6	
10·2	51·1	12·1	
10·4	52·6	55·3	
9·8	55·1	13·9	
10·4	55·4	59·3	
10·8	17 1·1	3·7	
10·7	2·6	16·8	
10·2	2·6	44·9	
9·8	4·1	8·6	
10·8	8·1	36·6	
10·0	9·1	47·4	
10·7	10·6	9·0	
10·0	11·1	54·8	
10·4	12·1	51·5	
10·6	13·6	52·2	
25pr.	+ 0 56·3	— 4·7	

2341—2400.

mag.	8h. m s	—36° ′	
9·8	17 17·1	23·8	
10·0	17·8	2·7	
10·7	25·6	26·5	
9·8	28·6	16·7	
8·9	30·1	18·4	
10·4	31·6	21·8	
10·6	32·1	21·1	
9·0	32·3	0·9	9·8
10·6	35·6	37·3	
10·4	37·6	45·9	
9·6	38·1	3·9	9·5
10·2	38·6	50·2	
10·4	39·1	20·5	
10·4	39·6	16·6	
9·8	40·1	45·1	
10·0	40·2	33·3	
10·8	42·1	30·0	
10·7	44·1	35·3	
10·4	49·1	35·1	
10·6	51·1	47·3	
10·4	53·6	15·5	
10·8	55·1	56·9	
10·8	56·6	50·5	
10·4	59·9	33·0	
10·8	18 0·1	5·3	
10·8	0·1	31·0	
10·8	0·9	22·9	
10·6	1·4	21·0	
10·8	8·4	6·2	
10·7	9·9	30·0	
10·2	9·9	56·2	
10·4	9·9	5·8	
9·4	20·4	15·4	
9·2	21·4	23·2	
10·0	21·9	26·4	
10·2	23·0	20·8	
10·4	24·1	0·6	
10·4	24·4	15·4	
9·2	26·9	43·5	9·0
10·6	30·9	32·8	
10·0	35·4	19·5	
10·0	38·9	36·0	
10·8	39·9	42·0	
10·8	39·9	17·0	
9·8	40·9	40·5	
9·8	42·4	40·0	
10·2	47·4	53·6	
10·6	48·9	31·4	
10·4	49·9	18·4	
10·4	51·9	46·8	
9·6	52·4	47·0	
10·8	53·9	9·0	
10·8	59·9	9·9	
10·8	19 0·9	1·4	
10·8	0·9	0·3	
10·2	1·4	35·8	
10·4	1·9	32·3	
10·0	3·4	30·5	
10·8	4·4	53·0	
10·6	7·8	30·3	
	+ 0 56·4	— 4·7	

2401—2460.

mag.	8h. m s	—36° ′	
10·7	19 10·8	40·5	
9·2	10·9	3·4	
9·6	11·8	38·2	
10·8	11·9	45·0	
10·6	12·9	21·0	
10·4	13·4	41·2	
10·6	14·4	20·2	
10·4	17·9	29·4	
7·7	17·9	18·8	8·0
10·6	20·4	5·4	
10·4	24·4	8·8	
10·8	26·9	41·6	
10·8	27·4	50·0	
10·0	28·4	8·2	
9·4	29·9	48·6	
10·6	29·9	11·8	
10·4	30·3	1·4	
10·4	30·9	48·2	
9·8	31·8	8·8	
10·4	32·9	12·5	
9·6	35·4	50·7	
10·8	37·1	2·0	
10·4	39·9	26·4	
10·8	39·9	5·2	
9·4	39·9	28·5	
10·2	41·9	29·6	
10·0	41·9	29·4	
10·4	42·4	45·6	
10·7	50·4	11·6	
10·4	51·9	11·8	
9·2	59·9	26·4	
9·8	20 0·4	23·2	
10·2	1·9	33·8	
10·8	3·4	23·1	
10·0	4·9	55·5	
8·7	5·9	37·6	9·5
10·8	5·9	33·5	
10·0	7·9	54·0	
9·8	9·9	55·8	
9·4	10·9	43·4	
10·8	13·9	41·0	
9·6	18·4	29·0	
10·6	19·9	6·0	
9·6	20·9	55·2	
10·6	21·9	16·0	
10·0	23·4	15·0	
10·8	25·9	56·1	
10·8	26·4	27·7	
10·8	29·9	54·0	
10·4	32·9	42·0	
10·8	32·9	48·8	
10·1	32·9	16·1	
10·1	34·9	8·6	
9·8	35·4	1·0	
10·2	37·4	23·4	
10·2	38·4	22·1	
10·8	38·9	56·0	
10·2	39·9	36·8	
10·7	40·9	16·6	
10·6	41·9	52·2	
	+ 0 56·5	— 4·8	

2461—2520.

mag.	8h. m s	—36° ′	
10·0	20 43·9	38·4	
9·2	43·9	27·6	9·0
10·8	44·9	17·4	
10·7	49·9	33·8	
9·8	50·9	55·6	
10·4	54·9	53·8	
10·4	57·9	41·8	
10·8	21 3·8	59·5	
10·0	7·4	20·2	
10·8	8·9	51·4	
9·6	9·9	23·1	
10·8	10·4	21·3	
10·7	10·9	52·3	
10·0	13·9	38·2	
10·0	15·4	48·1	
10·0	18·4	15·2	
10·7	20·9	50·4	
10·4	20·9	46·4	
9·6	21·4	3·2	
10·0	26·4	3·1	
9·8	27·9	5·6	
10·2	27·9	36·8	
10·7	28·9	51·0	
10·6	31·4	50·0	
9·0	32·2	4·2	9·2
10·8	33·4	44·5	
9·8	36·4	3·4	
10·4	37·4	33·0	
10·6	39·9	4·0	
10·8	40·9	18·2	
10·2	46·9	17·0	
10·8	47·9	45·0	
10·4	50·4	38·0	
10·4	50·9	36·3	
10·4	22 0·9	26·6	
10·6	2·9	40·6	
10·2	3·4	35·6	
9·8	3·9	49·4	
10·8	5·4	28·6	
10·7	6·4	24·8	
10·8	9·9	39·6	
10·2	10·9	34·2	
9·8	10·9	26·1	
8·8	11·9	16·1	7·5 G
10·6	12·4	6·1	
10·2	13·4	42·0	
8·8	19·9	15·6	9·0
9·6	22·4	35·5	
10·8	24·4	7·0	
10·7	25·2	15·9	
8·7	25·4	30·8	
8·4	27·9	14·6	9·0
10·8	29·9	7·8	
10·8	31·9	50·3	
10·7	36·4	53·8	
9·6	39·9	52·1	
9·4	39·9	59·2	
10·8	42·4	53·4	
8·6	50·9	15·7	8·5
10·8	50·9	25·5	
	+ 0 56·6	— 4·9	

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2521—2580.

mag.	8h. m	s	—36° ′	
10·8	22	54·4	26·2	
9·4	23	8·9	38·0	
9·8		9·9	48·4	
9·8		13·6	3·0	
9·8		14·4	15·8	
10·8		14·4	14·0	
10·7		15·9	12·0	
10·7		19·9	17·2	
10·2		19·9	14·2	
10·8		23·4	22·1	
10·0		23·9	13·8	
10·8		24·4	42·1	
8·3		28·9	18·6	8·5
9·4		29·4	54·5	
9·3		31·1	1·4	
9·8		36·4	18·4	
8·4		55·9	8·0	9·0 —
10·8	24	0·4	29·4	
10·8		3·9	6·4	
10·7		6·9	42·8	
9·4		9·9	56·4	
10·6		9·9	18·0	
10·4		10·9	11·0	
10·2		10·9	37·0	
10·8		11·9	42·3	
10·8		17·4	51·1	
9·6		17·4	39·4	
10·8		17·4	50·6	
10·8		18·9	11·2	
10·8		23·9	53·0	
10·7		29·4	16·4	
10·7		29·9	40·6	
9·8		29·9	19·1	
10·7		31·0	5·9	
10·4		32·9	2·4	
10·7		34·1	1·5	
10·8		34·4	21·0	
9·8		35·4	22·0	
10·2		38·9	24·1	
10·7		42·4	21·9	
9·3		44·9	30·1	
10·8		45·9	1·1	
10·2		48·9	41·8	
9·8		49·9	28·5	
10·8		54·4	21·2	
10·4		56·4	10·1	
10·7		59·9	24·6	
10·7	25	1·9	25·7	
10·4		3·1	53·7	
10·7		5·1	12·6	
10·4		6·1	14·9	
9·6		7·1	25·4	
9·8		8·6	13·1	
10·0		9·6	34·2	
10·4		9·6	38·9	
9·0		15·6	22·6	
10·2		18·6	20·3	
10·7		19·6	18·2	
9·8		24·6	5·2	
10·8		24·8	1·4	
25pr.	+0	56·8	−4·9	

2581—2640.

mag.	8h. m	s	—36° ′	
9·0	25	27·1	54·8	
10·8		28·1	44·1	
10·7		29·1	30·6	
10·4		29·1	31·0	
10·8		29·6	58·2	
10·8		29·6	58·0	
10·8		30·6	40·6	
9·4		33·1	11·1	
9·4		33·6	9·8	
10·2		33·6	55·4	
10·4		35·1	35·4	
10·7		37·6	5·9	
10·2		38·6	13·5	
8·3		39·6	18·0	9·0 GS
10·4		39·6	14·0	
10·4		39·6	14·2	
10·4		39·6	31·0	
8·8		44·6	18·1	7·0 GSg
10·7		46·1	21·8	
9·8		46·1	22·6	
10·4		47·1	38·5	
10·7		47·6	15·0	
10·8		47·6	59·8	
7·8		48·6	9·3	8·2 —
10·7		48·6	26·0	
9·0		56·6	13·2	
10·6		59·6	34·8	
10·0		59·6	42·0	
10·4	26	0·1	16·7	
10·8		5·6	17·2	
10·6		10·6	23·4	
10·7		11·1	53·1	
10·7		23·1	46·4	
10·2		24·6	40·4	
10·7		25·6	7·3	
10·6		25·6	22·9	
10·6		27·6	22·9	
10·8		29·1	25·9	
10·6		29·6	53·8	
10·2		30·6	23·8	
10·2		32·6	18·0	
10·0		37·1	16·8	
9·4		39·1	19·5	
8·2		39·6	16·2	8·0
10·4		43·1	56·2	
10·7		46·6	36·4	
10·7		47·6	38·3	
10·0		48·6	10·4	
9·6		49·1	9·0	8·8
10·2		49·6	7·5	
9·6		55·1	55·1	
10·4	27	0·1	49·0	
10·0		6·6	47·8	
10·6		10·1	21·4	
10·4		11·1	48·9	
10·6		11·1	16·2	
10·4		18·6	40·7	
10·4		19·6	49·5	
10·8		20·6	47·1	
10·0		20·6	58·4	
	+0	56·9	−5·0	

2641—2700.

mag.	8h. m	s	—36° ′	
10·0	27	29·6	14·9	
10·0		30·6	43·3	
10·7		31·1	42·6	
10·8		39·6	29·0	
9·6		39·6	54·5	
10·6		40·6	3·9	
10·6		40·6	17·7	
10·7		41·1	29·4	
10·6		50·6	25·3	
10·8	28	0·6	5·4	
9·8		5·5	56·3	
10·8		9·1	4·1	
10·2		10·6	47·2	
9·8		11·6	26·3	
10·6		12·0	0·0	
10·0		13·2	57·0	
10·0		27·1	25·4	
10·4		29·6	6·9	
10·0		29·6	52·1	
10·0		32·1	39·1	
7·8		34·1	14·1	8·0 G
10·0		35·1	17·1	
10·2		36·6	56·3	
9·8		39·1	29·9	
10·8		39·6	10·0	
10·6		44·6	47·3	
10·4		45·1	3·4	
10·7		45·6	32·3	
10·8		46·1	59·0	
9·2		49·6	48·9	
10·0		55·6	55·7	
10·2		58·6	44·7	
10·4	29	0·6	14·7	
10·4		2·6	52·5	
9·8		8·9	59·9	
10·2		15·6	6·6	
9·4		17·1	31·9	10·0
7·7		26·1	28·7	7·0 GSt
10·8		32·1	2·4	
9·6		34·4	57·1	
8·2		37·6	15·8	
9·3		39·1	58·6	9·5
10·6		39·1	19·8	
10·7		45·6	42·7	
10·0		50·6	30·0	
9·8		50·6	51·1	
9·6		53·6	57·8	9·5
10·8		59·6	47·5	
10·8		59·6	11·0	
8·6	30	0·6	33·1	8·0 G
10·8		4·1	14·9	
9·8		5·1	22·0	
10·7		6·6	43·1	
10·2		7·1	7·8	
8·0		14·1	54·8	8·0 GSg
10·4		16·4	56·7	
10·8		16·4	59·2	
10·6		19·1	27·0	
10·4		20·1	41·8	
10·8		21·1	11·3	
	+0	57·1	−5·1	

2701—2760.

mag.	8h. m	s	—36° ′	
10·8	30	23·1	38·9	
9·8		29·6	15·4	
10·4		33·1	35·2	
10·6		36·1	24·5	
10·2		36·1	10·1	
10·4		38·6	28·9	
10·8		39·6	36·8	
10·8		41·1	11·9	
10·8		41·4	58·5	
10·6		42·6	5·2	
10·0		51·6	51·8	
9·8		53·1	16·7	
9·8		57·1	35·9	
10·4		58·1	19·4	
10·6		59·1	33·9	
9·8		59·6	32·5	
10·6	31	0·1	5·3	
10·2		1·6	17·9	
10·7		7·1	29·3	
10·2		9·6	37·1	
10·4		9·6	40·0	
10·4		15·1	5·4	
10·7		15·1	9·5	
10·8		15·6	53·1	
10·6		17·1	49·5	
10·6		21·6	54·1	
9·8		22·1	27·7	
9·2		29·6	28·6	9·5
10·8		29·6	7·2	
10·8		31·6	21·4	
10·8		31·6	40·3	
10·8		41·6	26·1	
10·2		43·6	46·1	
9·4		49·6	5·4	
9·8		53·6	57·4	
8·9		55·1	13·4	9·5
10·8		57·6	7·3	
10·0		59·6	41·6	
9·6	32	0·5	2·3	
10·7		8·1	35·2	
10·6		8·1	7·9	
10·7		11·1	17·4	
10·8		11·6	46·8	
10·7		14·1	21·0	
9·8		21·1	17·1	
10·0		23·1	0·2	
8·9		26·1	41·8	9·5
10·2		29·6	39·8	
10·7		31·3	59·3	
9·8		34·6	37·6	
10·0		35·1	51·1	
10·4		38·1	31·1	
10·2		38·1	4·2	
9·8		39·6	50·0	
9·6		40·1	7·9	
10·4		43·6	58·5	
10·4		49·6	35·1	
10·8		50·1	12·9	
10·8		59·1	38·3	
9·8	33	1·6	54·5	
	+0	57·3	−5·1	

2761—2820.

mag.	8h. m	s	—36° ′	
8·7	33	7·6	1·0	8·8 G
10·6		11·5	0·8	9·5
8·8		11·8	56·6	
10·2		19·6	47·9	
10·4		21·1	57·9	
10·2		24·6	32·9	
10·4		24·6	3·0	
10·7		31·1	13·5	
10·7		31·1	21·7	
10·6		32·1	8·6	
10·8		32·6	11·1	
9·8		34·6	29·1	
10·0		38·1	40·7	
10·8		43·6	54·2	
10·4		44·6	46·2	
10·0		45·1	52·1	
10·0		46·1	24·4	
9·8		50·6	17·9	
10·4		51·8	20·3	
9·2		55·6	30·9	8·5
10·2		57·1	23·9	
10·2		57·1	36·9	
9·8		58·6	55·7	
10·6	34	3·1	53·2	
10·8		7·1	39·2	
10·8		7·1	41·6	
10·4		8·6	27·0	
10·0		10·6	36·6	
10·7		18·6	29·6	
10·7		19·1	11·3	
10·8		23·1	2·1	
10·7		25·1	39·4	
10·2		25·1	25·9	
9·2		29·6	6·7	9·0 G
10·6		32·6	27·2	
10·4		34·6	44·0	
7·3		35·1	10·1	6·5 GSct
10·8		38·1	42·2	
9·8		39·1	8·9	
10·4		41·6	14·3	
9·2		42·6	40·8	
9·6		43·6	34·8	
10·2		43·6	4·4	
9·4		47·5	2·4	
10·4		49·6	52·3	
10·4		54·1	44·9	
10·2		55·1	38·9	
10·6		59·6	37·3	
10·8		59·6	9·5	
10·8		59·6	33·6	
9·6	35	1·6	26·7	
10·6		6·1	55·1	
10·8		9·6	22·9	
10·0		9·6	32·2	
10·8		11·1	55·9	
10·7		14·9	39·9	
10·2		16·4	59·1	
10·7		17·6	6·1	
9·8		20·1	43·8	
10·4		21·1	31·3	
25pr.	+ 0	57·5	— 5·2	

2821—2880.

mag.	8h. m	s	—36° ′	
9·8	35	24·6	41·1	
10·8		28·6	0·9	
10·2		29·6	25·6	
10·8		29·9	1·8	
10·6		31·6	27·3	
10·8		47·1	20·0	
9·8		49·1	30·5	
9·3		50·6	33·9	8·8 G
10·2		53·1	41·2	
10·8		55·1	39·1	
10·0		55·6	25·8	
10·8		57·1	31·9	
10·8		59·1	3·5	
10·8		59·6	11·0	
10·8	36	1·1	28·1	
10·8		8·6	42·9	
10·0		10·6	22·9	
10·8		12·1	23·3	
10·8		12·1	34·5	
10·8		12·6	29·9	
9·8		15·6	6·5	
10·2		15·6	39·6	
10·8		17·1	32·4	
10·0		18·6	23·0	
10·4		20·6	47·1	
10·8		21·1	51·0	
10·6		27·6	43·1	
10·7		29·1	51·1	
10·6		29·1	29·0	
10·8		37·6	6·2	
10·0		38·6	57·8	
9·8		42·1	6·4	
9·6		47·6	23·4	
9·8		49·1	36·0	
10·8		54·6	10·6	
10·6		55·6	42·8	
10·8		59·1	53·8	
10·2		59·6	29·2	
10·0	37	5·1	14·4	
8·8		11·1	43·6	8·5 G
10·7		11·1	40·2	
10·8		12·1	3·8	
10·8		14·6	4·8	
9·6		15·1	33·6	
10·6		19·6	21·6	
10·4		20·6	38·8	
10·0		28·1	11·6	
9·6		29·6	32·7	9·5
10·0		35·1	35·2	
9·3		38·3	55·0	
10·8		39·1	33·6	
10·0		39·6	54·8	
10·8		43·6	53·2	
10·8		45·6	32·8	
10·6		47·1	52·2	
10·0		47·9	59·7	
10·8		50·6	58·8	
8·2		50·6	56·1	8·0 G
10·8		53·3	40·8	
10·8		55·1	48·6	
	+ 0	57·7	— 5·3	

2881—2940.

mag.	8h. m	s	—36° ′	
10·8	37	55·6	53·7	
10·8		57·6	35·8	
8·4		59·3	4·1	9·0
10·7		59·6	37·1	
10·0	38	9·6	56·3	
10·6		13·1	15·0	
10·0		17·3	2·9	
10·0		18·0	5·4	
10·6		21·1	31·0	
10·8		23·6	30·0	
10·8		26·6	18·3	
10·8		27·1	21·0	
10·7		28·1	9·3	
10·0		28·1	39·3	
10·8		29·1	57·4	
9·3		29·9	46·7	
9·4		34·4	25·9	
9·4		39·4	38·1	
9·0		47·9	12·1	9·5
9·6		50·4	12·5	
10·0		59·4	34·7	
8·8	39	4·9	6·4	9·5
10·2		5·9	9·1	
10·2		10·9	43·7	
10·2		13·9	11·4	
10·0		22·9	22·9	
10·2		24·4	29·5	
10·0		24·4	21·3	
10·2		33·9	41·7	
9·4		35·4	48·3	
10·2		40·4	44·8	
10·2		42·4	45·1	
10·2		47·4	9·5	
10·0		51·1	0·8	
6·4	40	2·9	41·5	6·0 GSt
10·2		5·4	34·1	
10·2		5·4	12·2	
10·0		8·1	1·1	
9·8		11·5	57·7	
10·2		11·9	24·9	
10·0		13·4	41·2	
10·2		13·6	58·1	
10·2		15·4	16·0	
10·2		23·4	1·3	
9·8		37·9	44·6	
10·2		40·4	28·0	
9·4		44·4	45·0	
9·6		44·9	22·7	
9·4		54·4	6·7	
7·6		58·4	17·2	7·5 G
9·6		58·9	13·9	9·5
9·8		59·4	16·9	
10·2		59·9	4·9	
9·8	41	0·4	54·5	
10·2		2·3	39·0	
10·2		2·4	18·6	
9·6		3·4	9·3	
10·2		10·9	9·6	
10·2		14·4	3·0	
8·6		14·9	33·6	8·0
	+ 0	57·9	— 5·4	

2941—3000.

mag.	8h. m	s	—36° ′	
10·2	41	16·4	8·2	
10·2		21·4	49·0	
9·8		21·4	41·0	
10·2		25·3	33·1	
9·0		26·4	16·6	
10·2		27·4	19·6	
10·0		28·4	48·2	
10·2		29·1	58·9	
10·2		39·9	29·9	
9·6		40·1	1·0	
10·2		41·3	23·2	
10·2		41·4	7·0	
10·2		47·9	41·2	
10·2		48·3	22·5	
9·3		49·4	15·1	
10·2		55·9	9·7	
10·0		57·9	51·4	
10·0		59·4	50·3	
8·8		59·4	20·4	8·5
10·2	42	0·4	52·8	
10·2		11·9	37·6	
10·2		17·9	52·4	
9·4		24·9	49·7	
9·4		32·4	24·1	
10·2		32·9	48·0	
7·6		34·4	17·5	7·5 G
10·2		38·8	59·3	
10·0		42·9	51·1	
10·2		46·3	33·7	
9·1		47·9	40·1	
10·0		55·4	58·1	
9·4	43	1·5	23·1	
10·2		11·0	1·4	
9·8		16·4	2·2	
9·2		19·0	46·5	
10·2		23·5	22·0	
10·2		32·5	17·2	
10·0		37·0	15·3	
9·4		45·5	42·1	
10·2		50·5	55·4	
9·4		51·0	15·0	
8·6		53·0	8·3	8·8 =
10·2	44	0·0	54·0	
9·6		3·5	47·9	
9·8		7·5	52·9	
10·0		9·5	36·1	
10·2		11·0	42·0	
10·0		12·0	6·9	
9·6		13·0	6·7	
9·6		15·0	50·1	
10·2		18·3	58·9	
10·0		23·5	20·2	
9·6		26·4	57·8	
9·6		28·5	7·8	
10·2		41·0	14·5	
10·2		42·5	37·6	
8·2		44·0	29·9	
10·0		44·5	6·0	
10·0		49·0	44·0	
10·2	45	2·5	32·0	
	+ 0	58·1	— 5·5	

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3001—3060.

mag.	8h. m	s	—36° ′	
8·0	45	4·5	9·1	7·5 G=
10·2		9·5	40·2	
9·4		9·5	10·7	9·0
9·4		15·5	35·6	
8·5		20·5	12·6	7·5 G
9·4		23·1	56·8	9·5
9·8		29·5	9·2	
10·2		30·0	46·9	
10·2		30·5	29·2	
9·8		34·1	58·0	
9·8		38·0	9·6	
9·6		38·0	40·0	
9·8		38·0	48·6	
9·6		38·0	49·8	
10·0		44·0	0·6	
9·8		49·5	45·2	
9·0		51·0	28·0	
10·2		53·0	26·0	
10·2		56·5	19·8	
8·6		58·0	49·3	8·5
10·2		58·0	52·4	
8·8		59·0	22·7	
9·6		59·5	18·4	
8·6	46	2·5	39·1	
10·2		5·0	54·4	
9·6		10·5	52·1	
9·6		13·9	59·7	
9·8		15·0	32·2	
10·0		30·0	51·2	
10·2		34·5	39·0	
10·0		36·0	37·9	
10·0		37·0	50·2	
10·0		38·5	7·6	
10·2		40·5	1·5	
9·6		48·0	26·7	
10·2		51·0	28·9	
9·8		56·5	47·9	
10·0		56·5	38·1	
10·2		59·4	38·7	
9·4		59·5	51·0	
10·0	47	4·0	38·8	
9·8		4·5	27·0	
10·2		5·0	39·2	
9·8		6·9	0·2	
9·8		8·0	44·0	
9·6		10·0	21·8	
9·4		14·0	11·4	
9·6		15·0	25·9	
10·2		16·5	34·0	
10·2		31·5	32·2	
7·1		45·0	4·4	6·8 GS≡t
9·8		49·5	24·6	
9·1		59·5	19·5	
9·4	48	3·0	16·2	
9·6		4·0	17·0	
8·5		5·0	48·6	9·0
9·4		9·5	21·9	
9·6		10·5	52·2	
10·2		13·4	46·1	
9·6		14·5	54·0	9·0
25pr.	+0	58·4	−5·6	

3061—3120.

mag.	8h. m	s	—36° ′	
9·4	48	19·0	43·2	
10·2		22·4	46·5	
10·2		24·5	27·2	
9·4		30·5	22·2	
10·2		39·3	58·2	
10·2		45·0	51·2	
8·8		48·5	26·2	
9·4		51·5	17·4	
9·8		57·5	55·0	
10·2		59·5	47·1	
9·8	49	0·5	43·0	
10·2		7·0	30·4	
10·2		8·0	22·6	
9·4		8·0	44·7	
10·2		9·3	58·5	
10·2		14·0	36·6	
9·4		16·5	53·7	
9·4		22·5	57·0	
9·6		23·5	24·0	
10·0		25·1	58·9	
9·1		29·5	33·2	
9·8		37·5	49·4	
10·0		44·5	35·6	
9·8		47·5	56·0	
10·2		49·0	35·5	
9·8		49·5	35·2	
10·0		58·0	38·1	
9·8	50	5·3	59·4	
9·4		9·0	47·1	
9·4		10·0	52·2	
10·2		22·0	19·7	
9·8		30·5	38·1	
10·2		31·5	39·7	
10·0		31·5	25·0	
10·2		32·0	41·2	
9·0		34·0	20·1	9·0
9·8		34·5	8·6	
10·2		50·5	28·1	
9·6		52·5	25·1	
9·6		59·3	58·5	
10·2		59·5	12·4	
9·0	51	0·5	56·2	
10·2		1·0	36·2	
10·2		3·5	2·0	
10·2		4·0	5·0	
10·2		10·5	26·7	
10·2		10·5	12·5	
10·2		21·5	40·2	
10·2		21·5	2·9	
10·2		23·5	4·9	
7·6		29·0	38·5	7·0 GSt
9·4		33·5	29·0	9·0
10·2		38·0	55·1	
9·3		40·5	23·6	G
10·2		41·0	24·2	
10·2		43·0	7·7	
10·2		44·5	3·3	
8·8		54·5	29·9	8·0 G
9·0		54·5	4·2	9·5
10·0		55·5	12·8	
	+0	58·6	−5·6	

3121—3180.

mag.	8h. m	s	—36° ′	
9·4	52	9·5	3·7	9·5
10·2		21·5	48·2	
9·8		24·5	40·5	
10·0		38·5	38·7	
10·2		39·5	15·1	
10·2		43·5	15·8	
10·2		53·5	43·0	
10·2		59·8	59·2	
9·6	53	1·5	48·7	
10·0		3·6	46·2	
10·2		5·6	46·0	
10·0		12·1	17·6	
10·0		14·6	37·0	
10·0		23·6	48·2	
10·2		29·6	10·5	
10·0		34·1	39·5	
10·0		34·6	31·5	
8·8		42·6	9·6	9·5
10·2		44·1	5·2	
10·0		47·6	47·3	
10·0		59·1	14·2	
10·2		59·6	12·0	
10·0	54	0·6	10·9	
10·0		8·6	48·6	
10·2		12·1	51·0	
9·6		25·1	6·6	
9·8		29·6	28·2	
10·2		35·6	51·9	
9·2		37·6	33·0	
9·4		43·6	33·2	
10·2		46·6	42·0	
9·6		53·6	35·0	
8·6		58·1	48·0	9·0
10·0		59·1	43·8	
10·2		59·1	18·8	
9·4	55	1·1	7·4	9·0
10·0		4·1	48·9	
10·0		6·1	48·5	
9·4		20·6	21·8	
10·2		20·6	19·4	
10·2		23·6	40·0	
10·2		30·6	29·4	
10·2		33·1	31·6	
9·4		44·6	8·2	
9·6		45·6	21·4	
9·6		45·6	46·0	
9·8		52·1	39·4	
10·2		53·8	1·9	
10·0		56·1	48·9	
9·8		59·6	53·2	
10·2	56	6·6	10·0	
9·8		10·1	2·0	
10·0		10·6	30·0	
10·0		25·6	15·8	
10·2		29·1	37·6	
9·4		42·6	50·6	
10·2		53·6	31·2	
10·2		57·6	33·8	
10·0	57	1·6	39·2	
8·8		4·6	22·9	8·5:
	+0	58·9	−5·8	

3181—3240.

mag.	8h.-9h. m	s	—36° ′	
9·8	57	5·1	44·5	
10·2		9·1	44·6	
10·2		9·6	48·0	
9·4		11·6	41·5	
10·2		11·6	6·0	
9·3		20·6	30·6	9·0
9·2		30·6	44·0	
10·0		32·6	24·6	
9·4		34·6	32·0	
9·4		34·6	21·2	
9·4		34·6	3·1	9·5
10·0		37·6	27·3	
9·6		38·1	59·0	
10·2		43·6	10·4	
10·0		45·1	31·4	
9·4		46·1	49·7	
10·2		53·1	47·8	
9·8	58	1·4	59·7	
9·8		4·6	50·8	
8·8		9·1	7·9	9·0
10·2		10·1	15·0	
9·8		11·1	56·0	
10·2		12·6	49·5	
9·0		24·6	51·5	
9·0		24·6	1·0	9·5
9·4		24·6	5·2	
9·6		26·2	3·0	
8·8		31·6	9·8	8·5 −
10·2		43·6	21·0	
10·2		55·6	51·8	
7·8	59	1·6	14·7	8·0 G
10·2		14·1	53·7	
9·8		30·6	4·6	
9·6		39·6	1·3	
10·2		51·6	11·2	
9·8		53·6	20·2	
10·0		56·6	13·2	
10·2		59·6	2·1	
10·2	0	8·6	1·0	
9·4		20·6	43·3	
9·8		22·1	18·4	
9·6		26·6	33·2	
9·6		30·6	42·0	
10·0		36·6	27·1	
10·2		36·6	39·4	
10·2		40·6	50·0	
10·0		50·1	21·4	
10·2		52·6	28·5	
10·0	1	12·6	41·3	
8·8		13·6	39·2	9·0
10·2		20·6	16·2	
9·6		23·1	31·6	
8·2		25·6	18·2	8·5
8·5		31·1	52·6	9·0
9·6		31·1	7·0	
9·6		39·6	6·7	
9·8		40·4	56·4	
10·2		42·6	13·0	
10·2		53·6	48·8	
9·1		59·6	49·9	9·0
	+0	59·2	−5·9	

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3241—3300.

mag.	9h. m s	—36° ′	
9·0	2 0·1	58·6	
9·1	4·1	7·7	9·0
9·4	4·6	55·9	
9·6	11·6	25·5	
10·2	18·6	29·8	
10·2	23·1	58·7	
9·8	24·4	56·9	
9·8	34·2	19·6	
10·0	36·1	53·6	
10·0	38·2	18·0	
9·8	40·6	53·9	
10·2	42·1	42·4	
9·4	43·5	0·1	
10·2	48·9	52·9	
10·0	49·1	8·1	
9·4	49·2	49·1	9·5 G
10·8	58·8	53·5	
10·6	59·4	0·1	
10·8	3 3·3	46·1	
10·8	9·3	42·9	
6·8	10·8	51·3	8·0 GSt
9·8	15·1	57·9	
8·4	19·8	36·7	8·5
10·8	23·0	14·7	
10·8	27·2	9·7	
9·7	29·2	32·9	9·5
10·8	29·4	4·0	
9·8	32·0	56·1	
9·8	36·8	48·1	9·5
10·4	36·8	40·1	
10·8	36·8	23·9	
9·7	39·2	24·1	
10·8	39·3	21·9	
9·3	46·3	59·6	
10·6	49·4	23·5	
10·2	50·7	14·4	
9·3	50·8	55·4	
10·8	57·4	43·4	
10·2	4 0·8	59·7	
8·7	0·8	19·6	9·0
10·6	6·8	12·8	
10·2	8·3	15·7	
10·8	8·8	2·c	
10·2	18·8	23·7	
9·8	21·8	21·0	
10·8	25·8	42·3	
10·8	28·8	12·0	
10·8	30·8	49·5	
10·2	33·8	56·2	
10·8	35·8	24·9	
9·3	39·8	47·6	
9·4	40·8	29·4	9·0 G
10·8	47·8	12·9	
10·8	52·3	40·3	
10·2	53·8	14·1	
10·2	57·3	45·9	
10·8	5 2·3	9·6	
10·4	7·8	12·2	
9·7	10·8	26·9	9·5
10·8	14·3	4·3	
25pr.	+ 0 59·6	− 6·0	

3301—3360.

mag.	9h. m s	—36° ′	
10·2	5 16·3	41·1	
10·8	18·3	4·0	
10·8	19·3	39·5	
9·8	27·8	7·7	
10·2	31·3	28·9	
8·2	33·8	20·1	8·0 –
9·7	47·8	3·4	
10·8	48·8	42·6	
10·4	53·8	49·2	
10·8	6 3·3	49·0	
10·4	3·8	43·4	
10·2	7·3	19·2	
10·8	8·3	35·5	
10·8	9·8	25·3	
10·4	10·3	2·8	
10·0	29·8	12·5	
10·0	30·8	43·5	
10·0	37·3	47·8	
10·2	38·8	53·2	
10·0	39·3	22·8	
10·8	39·8	23·7	
8·8	48·8	57·1	9·0
9·7	48·8	15·4	
10·6	48·8	14·7	
10·8	49·3	17·2	
10·6	50·8	10·3	
10·8	58·8	4·4	
10·0	58·8	6·5	
10·0	7 10·3	14·9	
10·8	14·3	17·2	
9·7	18·8	33·6	
9·8	25·3	40·3	
9·5	26·3	21·8	G
9·6	27·8	51·8	9·0 G
9·7	28·8	6·0	
10·8	30·3	18·4	
10·8	30·3	31·9	
10·2	31·3	15·5	
10·8	34·7	6·5	
9·6	36·8	51·4	
10·6	37·3	22·4	
10·8	38·8	52·9	
10·8	43·8	16·0	
10·8	43·8	58·2	
10·8	47·3	45·3	
10·8	49·3	3·9	
10·8	55·8	31·3	
10·8	56·3	17·0	
10·2	8 8·8	27·9	
9·4	20·8	19·7	G
9·0	23·3	20·2	9·2 G
10·4	24·8	3·2	
10·8	25·3	54·2	
10·8	26·3	25·9	
9·3	28·8	48·3	
10·8	32·3	41·8	
9·4	33·3	46·2	9·0 G
10·8	34·3	39·9	
10·2	37·3	28·7	
9·8	37·3	8·5	
	+ 0 59·9	− 6·1	

3361—3420.

mag.	9h. m s	—36° ′	
10·6	8 42·3	45·0	
9·0	44·8	46·4	8·8 G
10·8	50·3	24·0	
10·8	57·8	7·1	
10·0	9 1·3	59·4	
10·6	1·3	12·8	
9·6	6·8	43·7	
10·4	8·8	25·1	
10·0	10·8	44·8	
10·4	13·3	26·4	
10·8	13·3	25·0	
10·4	13·3	48·5	
10·8	17·8	2·8	
10·4	18·3	40·1	
10·4	18·3	47·5	
10·0	19·3	52·7	
10·0	25·8	43·5	
10·6	31·8	0·8	
10·8	32·8	57·7	
10·8	40·8	17·4	
10·6	49·3	21·6	
10·4	50·3	31·7	
10·2	52·8	47·1	
10·8	54·3	25·6	
10·8	54·8	12·5	
9·2	10 4·7	37·3	
10·8	9·2	46·3	
10·4	9·7	5·5	
9·4	10·2	10·0	
10·2	16·2	47·1	
10·8	16·7	31·1	
10·8	19·7	40·1	
10·8	22·2	1·5	
10·6	22·2	53·5	
10·8	44·7	10·9	
5·5	45·2	53·6	5·0 GStπ
9·2	45·2	42·8	8·8
10·0	45·7	3·0	
9·7	51·2	49·9	
10·8	54·7	36·8	
10·8	58·2	4·0	
9·8	58·7	31·0	
10·2	59·7	16·5	
10·8	11 0·7	43·3	
10·2	8·2	22·8	
10·4	8·7	31·5	
10·8	8·7	44·1	
10·6	10·2	6·8	
10·4	10·3	3·0	
10·2	12·2	20·3	
9·8	14·2	12·9	
10·2	18·7	26·5	
10·8	23·7	43·4	
10·2	26·2	52·7	
10·8	29·7	7·9	
10·8	30·7	16·5	
9·6	34·7	24·0	
10·0	41·7	21·4	
10·8	43·7	54·3	
10·0	45·7	46·8	
	+ 1 0·1	− 6·2	

3421—3480.

mag.	9h. m s	—36° ′	
10·4	11 50·7	14·3	
10·6	52·2	37·8	
10·8	57·7	48·5	
10·8	57·9	57·3	
10·2	58·2	8·9	
10·8	12 1·2	40·8	
10·8	7·7	39·2	
10·2	9·7	4·7	
10·8	11·7	20·8	
10·4	12·7	4·8	
10·8	20·7	24·4	
10·4	23·7	28·1	
10·2	29·2	43·7	
10·2	30·7	3·6	
10·4	31·7	39·5	
9·8	47·7	4·0	
10·8	49·2	41·2	
10·0	57·7	9·1	
9·6	57·7	35·0	
7·2	58·2	52·5	7·5 GSg
10·2	58·4	57·0	
10·4	58·7	27·0	
10·4	58·7	31·3	
10·2	13 3·2	36·8	
10·8	4·2	32·5	
10·4	12·2	50·8	
10·4	14·7	4·3	
10·8	16·7	42·3	
10·0	18·2	47·8	
10·8	19·6	37·7	
10·0	23·7	50·9	
10·0	24·7	17·0	
10·0	25·7	37·8	
10·8	26·2	5·7	
10·8	27·2	54·2	
9·5	30·7	14·7	
10·8	30·7	54·0	
10·4	31·2	41·4	
10·6	34·2	32·9	
10·6	38·2	28·6	
10·2	38·7	44·3	
10·0	41·7	36·1	
8·4	44·7	53·0	8·8
10·4	48·7	39·8	
9·8	14 1·2	6·4	9·0
10·8	11·2	24·9	
10·4	14·7	28·2	
9·6	16·2	17·6	
10·4	19·7	6·0	
10·4	20·7	22·9	
10·4	22·2	13·3	
10·8	23·2	27·6	
10·2	29·7	19·9	
10·8	40·7	11·8	
10·8	41·7	53·9	
9·8	42·7	55·8	
9·2	48·2	34·2	9·0
9·8	54·2	1·6	
10·8	54·7	22·8	
10·8	59·2	31·8	
	+ 1 0·3	− 6·2	

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3481—3540.

mag.	9h. m	s	−36° ′	
9.0	15	1.2	2.2	9.0 ≡
8.5		10.2	25.4	8.2 –
10.8		10.2	12.7	
9.8		11.2	53.9	
10.0		12.2	23.6	
10.8		13.2	49.3	
9.0		13.7	50.3	9.0
10.8		21.2	21.7	
9.0		23.2	48.6	8.5
9.4		23.7	46.4	
9.7		29.7	23.5	
10.0		30.2	16.0	
10.4		34.2	21.4	
10.8		37.2	19.5	
10.8		38.7	4.5	
10.8		39.4	25.5	
9.4		40.7	17.6	9.0
10.8		43.2	38.0	
10.8		45.2	5.8	
10.8		45.7	40.8	
10.6		45.7	12.6	
10.8		51.7	51.6	
10.8		55.9	58.3	
10.4		56.2	24.6	
10.8		59.7	12.6	
10.4	16	6.2	52.5	
10.2		8.9	58.6	
10.4		9.2	10.5	
10.8		9.2	37.2	
8.9		11.2	19.6	9.0
10.8		14.2	51.5	
9.4		18.2	13.6	9.0
10.0		19.2	12.9	
10.0		19.2	53.5	
10.6		25.7	12.1	
9.8		25.7	8.2	
10.0		26.7	48.5	
9.2		34.7	38.7	
10.0		39.2	29.6	
10.4		40.7	2.7	
10.8		45.2	41.6	
10.0		46.2	52.7	
9.5		48.2	38.2	
10.0		50.2	14.0	
10.0		53.7	51.8	
10.8		53.7	28.3	
10.4		54.7	28.6	
9.8		59.7	38.2	
10.0	17	3.7	31.8	
10.8		9.7	18.1	
9.8		13.2	26.5	
10.0		17.7	10.1	
10.8		19.7	52.9	
10.6		23.2	38.9	
10.4		24.7	22.2	
10.8		28.2	36.2	
10.0		29.7	16.9	
10.0		38.2	6.6	
10.0		41.2	22.3	
10.0		43.2	14.9	
25pr.	+1	0.6	−6.3	

3541—3600.

mag.	9h. m	s	−36° ′	
10.6	17	46.2	24.5	
9.8		49.7	16.5	
10.4		55.2	23.9	
10.8		59.2	29.5	
10.4	18	4.2	43.5	
10.8		5.2	1.4	
10.8		8.2	7.4	
9.8		13.7	23.9	
10.8		15.2	16.1	
10.8		18.7	6.8	
10.8		23.2	8.2	
10.8		24.7	16.1	
9.2		28.7	50.5	9.5
9.7		34.7	53.2	9.0
10.6		37.7	30.3	
10.8		38.2	19.3	
10.8		38.2	23.2	
10.0		38.7	4.9	
9.2		42.2	7.8	=
10.8		44.2	49.0	
10.4		45.2	27.0	
10.8		48.3	59.0	
10.0		50.2	15.6	
10.8		56.7	25.0	
10.8		57.3	20.0	
10.2		58.2	18.9	
9.8		59.7	14.9	
10.0	19	4.2	46.2	
10.2		4.2	24.3	
10.8		4.3	42.1	
10.8		11.2	58.5	
10.8		15.2	39.4	
9.6		23.7	33.0	
10.8		24.7	28.7	
10.8		27.2	20.1	
10.8		29.2	42.4	
8.7		31.2	24.8	
10.8		35.3	23.5	
10.0		36.7	34.6	
10.8		38.2	35.1	
10.8		41.3	4.1	
10.4		41.7	28.9	
10.8		44.7	30.6	
9.3		46.2	46.7	9.0
10.0		49.7	0.5	
10.4		50.7	15.4	
9.6		51.2	42.2	9.5
10.6		51.2	28.0	
10.4		51.7	51.9	
9.8	20	5.2	10.7	
10.4		10.8	56.6	
10.2		17.4	0.7	
9.3		17.6	30.0	
9.5		21.6	54.1	
10.8		25.6	31.1	
10.8		31.0	4.0	
10.8		31.6	36.1	
9.0		31.6	43.9	8.5
9.0		40.1	16.0	
10.0		44.1	4.8	
	+1	0.8	−6.4	

3601—3660.

mag.	9h. m	s	−36° ′	
9.8	20	45.6	9.4	
10.4		48.1	4.8	
10.0		50.1	21.0	
10.8		54.7	1.9	
9.0		58.1	14.8	
10.8	21	0.1	6.7	
10.8		0.1	21.7	
10.8		5.9	0.8	
9.8		10.1	49.1	
10.6		14.1	54.4	
9.8		15.1	25.9	
10.8		16.0	14.9	
10.8		16.6	38.7	
10.0		25.6	14.4	
10.8		26.6	29.9	
10.4		31.1	39.6	
10.8		32.1	30.0	
9.0		32.6	18.0	
10.2		38.6	17.3	
10.0		40.6	3.8	
10.2		41.1	5.9	
10.8		50.1	48.9	
10.0	22	3.6	32.6	
10.4		4.1	52.2	
10.2		5.1	45.9	
10.2		10.1	45.0	
9.5		10.1	46.5	
10.8		11.1	2.4	
10.8		16.1	3.4	
8.1		16.6	20.2	9.0
10.8		17.1	9.9	
9.8		18.1	4.6	
10.8		19.1	21.1	
10.8		21.1	6.7	
10.8		29.6	55.1	
10.4		30.1	42.9	
10.8		31.1	58.8	
10.8		31.1	9.5	
10.2		38.1	54.7	
9.2		39.1	49.1	
10.2		46.6	55.0	
10.8		48.1	21.7	
10.6		48.6	49.8	
10.0		52.1	51.9	
10.8		58.6	8.2	
10.0	23	2.1	17.7	
10.4		2.1	55.3	
10.8		7.1	8.0	
10.4		10.6	28.2	
10.0		10.6	31.4	
10.4		13.6	22.8	
10.4		15.1	54.0	
10.0		18.6	8.9	
10.4		19.6	46.0	
10.4		20.1	40.4	
10.4		21.1	11.1	
10.4		24.6	38.8	
10.6		30.1	14.3	
10.2		32.6	40.7	
10.8		33.1	51.0	
	+1	1.1	−6.4	

3661—3720.

mag.	9h. m	s	−36° ′	
10.6	23	33.6	27.1	
9.7		39.6	54.7	
8.8		40.1	23.3	9.0
10.8		44.6	13.6	
10.8		45.1	41.7	
10.8		45.6	1.0	
10.8		57.1	47.9	
10.8	24	0.0	6.0	
10.8		2.1	15.0	
9.7		2.1	58.8	
10.6		5.6	54.2	
10.2		24.1	39.5	
10.6		24.1	41.9	
10.0		34.1	33.6	
10.8		36.6	42.7	
10.8		52.1	33.9	
10.8		57.1	23.7	
10.2	25	2.1	17.0	
10.0		5.4	2.1	
9.5		6.1	22.1	
8.0		8.6	32.4	9.0 –
9.0		9.1	2.0	–
10.8		12.1	34.9	
10.8		19.1	11.9	
10.0		20.6	45.9	
9.3		21.1	25.2	9.5
9.0		23.1	27.9	9.5
10.8		26.1	15.2	
10.8		29.1	54.4	
10.8		32.0	8.2	
9.0		33.1	5.8	9.0 W=
10.8		42.1	55.3	
10.8		42.1	25.0	
10.8		44.1	17.9	
10.8		45.1	18.9	
9.3		51.6	16.2	
10.8		59.6	5.5	
10.8	26	1.1	52.2	
9.8		1.6	11.8	
10.8		6.6	1.9	
9.8		7.7	19.8	
10.6		8.7	4.9	
10.0		10.5	1.9	
10.8		10.6	42.0	
8.2		21.7	12.0	8.0 GW=
10.8		26.7	5.9	
10.8		30.7	54.0	
10.8		34.6	3.7	
10.8		38.7	18.9	
10.8		39.6	52.9	
9.7		39.7	3.8	
10.4		39.7	32.0	
10.0		40.2	53.3	
8.7		49.7	18.6	9.0
9.0		51.2	29.6	
9.6		53.7	5.1	
10.4		54.2	33.8	
10.4		55.7	32.3	
10.8	27	0.6	11.1	
10.2		0.7	30.3	
	+1	1.4	−6.5	

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3721—3780.

mag.	9h. m	s	−36° ′	
10·4	27	7·2	5·2	
10·0		9·7	43·3	
10·8		9·7	22·8	
10·8		12·2	16·9	
9·6		15·7	16·6	
10·8		28·7	13·9	
10·2		31·7	14·3	
10·4		34·7	36·2	
10·4		36·2	43·9	
8·1		37·7	40·4	9·0
10·8		43·6	59·4	
10·6		44·7	10·2	
10·0		52·4	54·9	
9·8		52·5	6·5	
10·8		59·7	39·3	
9·8	28	1·2	42·8	
9·3		2·7	15·3	
10·8		4·2	3·9	
9·2		5·2	26·4	
10·6		12·7	41·8	
10·6		16·7	8·6	
10·4		21·2	11·4	
10·4		26·0	16·8	
10·6		30·7	9·9	
10·0		32·7	46·8	
10·8		36·7	3·0	
9·7		37·2	22·6	9·0
10·0		37·7	48·0	
9·4		40·7	3·8	
9·7		49·2	31·4	
10·8		53·7	53·9	
10·8		54·7	59·0	
10·8		54·7	4·4	
9·5		56·2	2·9	
9·2		59·2	34·7	
9·7	29	1·2	38·9	
9·8		2·2	15·1	
8·4		11·2	16·4	9·0
8·2		20·2	52·1	8·7 S
8·6		41·2	43·5	9·0
8·5		42·7	42·3	9·0
9·8		42·7	35·5	
9·8		49·1	30·3	
9·2		54·2	42·1	
9·8	30	1·7	57·0	
9·4		9·2	6·1	
9·8		17·7	20·7	
9·8		19·2	28·5	
9·8		29·2	48·1	
9·8		29·2	10·9	
9·8		40·2	27·1	
9·4		43·4	57·8	
9·8		48·2	21·7	
9·8		49·2	7·3	
9·2		49·7	33·7	
9·8		59·2	16·7	
9·7	31	11·2	8·9	
9·7		12·7	18·9	
9·7		23·2	47·3	
9·8		23·2	10·7	
25pr.	+1	1·7	−6·6	

3781—3840.

mag.	9h. m	s	−36° ′	
9·8	31	25·2	53·9	
9·8		29·7	56·6	
9·8		39·2	20·8	
9·0		40·2	16·9	
9·4		44·7	37·0	
9·8		46·7	10·8	
8·9		49·2	28·7	
9·8		49·2	14·8	
9·2		58·7	53·7	9·5
9·7	32	3·7	22·1	
8·6		5·2	47·7	
9·7		24·2	51·9	
9·8		41·2	44·9	
9·8		44·2	21·3	
8·2		45·7	21·9	8·5 GW−
9·2		47·2	6·1	
9·4		50·2	7·8	
9·2		54·7	37·3	
9·4	33	5·2	2·3	
9·8		15·2	15·9	
9·3		19·2	50·1	
9·7		24·7	13·1	
9·6		28·7	14·0	
9·8		29·9	59·9	
9·8		30·2	10·0	
9·4		33·2	8·0	
9·8		37·7	15·3	
9·5		39·2	10·3	
9·8		40·2	21·3	
9·8		40·7	47·2	
9·8		45·2	23·6	
9·3		47·7	31·0	
9·8		53·7	3·2	
9·6		59·2	32·0	
9·7	34	7·7	5·5	
9·8		9·2	21·1	
9·6		16·4	58·0	
9·2		19·2	16·1	
9·0		20·7	6·7	
8·8		29·2	3·4	
9·8		33·2	44·2	
9·8		35·3	20·2	
9·8		36·7	30·7	
9·8		40·2	29·9	
9·8		41·7	32·0	
9·6		47·7	38·4	
9·8		48·2	23·1	
9·8		49·2	58·0	
9·8		59·2	15·7	
9·8	35	4·2	49·0	
9·8		16·2	46·7	
7·8		31·7	35·5	8·0 G−
9·6		36·2	52·8	
9·6		37·7	34·0	
9·7		39·2	4·8	
9·8		41·2	59·4	
9·2		43·2	33·4	
9·8		49·7	21·5	
9·8		50·1	43·9	
9·6		51·7	4·8	
	+1	2·1	−6·7	

3841—3900.

mag.	9h. m	s	−36° ′	
9·4	35	55·2	40·2	
9·6		55·2	34·0	
9·8		57·7	42·3	
8·8		58·2	19·2	
9·7	36	12·7	22·6	
9·4		17·7	34·0	
9·8		18·2	51·8	
9·6		20·2	19·7	
9·8		24·7	3·2	
8·1		49·2	30·8	8·0 −
8·4		58·2	49·7	8·5
9·8	37	37·7	27·7	
9·8		41·7	28·1	
9·3		42·2	33·1	
9·8		46·2	15·8	
8·7		46·7	23·7	8·0
9·5		55·2	28·3	
9·5		59·2	31·8	
9·3	38	7·2	55·0	9·0
9·7		9·2	38·3	
9·8		41·7	52·7	
9·6		44·7	7·2	
9·7		49·2	21·1	
9·8		58·9	57·4	
9·6	39	2·2	12·3	
9·8		15·7	18·1	
9·8		26·1	0·0	
9·4		29·7	33·4	
9·8		31·2	49·1	
9·6		34·7	46·5	
9·8		35·2	23·8	
9·7		35·2	56·3	
9·3		35·2	49·6	
8·0		39·7	59·2	8·5
9·7		40·2	32·4	
9·5		43·2	11·8	
9·8		43·2	55·0	
9·3		47·9	56·8	
9·5		52·7	45·4	
9·3	40	11·2	53·2	
9·8		35·2	27·1	
9·0		41·2	37·8	
9·6		43·2	1·9	
9·6		44·2	47·2	
9·2		53·7	41·6	
9·8		59·2	12·8	
9·8	41	2·2	32·1	
9·3		10·2	24·8	
9·3		20·2	9·2	
9·8		39·2	1·4	
9·7		42·8	59·8	
9·7		49·2	54·0	
9·6		59·2	42·1	
9·8	42	5·2	29·8	
9·8		6·2	26·8	
9·2		14·2	43·3	
9·8		15·2	11·2	
9·8		36·7	26·9	
9·6		38·2	9·2	
9·8		39·7	40·4	
	+1	2·6	−6·8	

3901—3960.

mag.	9h. m	s	−36° ′	
9·3	42	44·2	46·3	
9·8		53·2	29·7	
9·4	43	25·2	49·4	
9·2		31·7	6·0	
8·8		37·2	43·8	8·5
9·8		44·0	57·4	
9·4		51·2	12·6	
9·8		57·2	44·0	
7·6	44	13·7	36·2	6·5 GS−g
9·8		23·2	34·8	
9·2		24·2	40·2	8·8
9·8		28·2	42·0	
9·2		29·2	23·6	
9·8		34·2	41·6	
9·8		48·2	50·4	
9·8		54·2	17·2	
8·9	45	28·2	40·4	
9·8		35·7	3·8	
9·6		39·7	13·0	
9·8		42·7	49·1	
9·2		50·2	14·8	9·0
9·5	46	9·2	8·0	
9·0		16·7	8·0	
9·7		18·7	38·5	
9·8		40·2	54·8	
9·8		43·2	57·0	
9·8		53·2	56·1	
9·8		56·5	59·6	
9·6	47	5·2	55·5	
9·8		6·7	43·2	
9·8		15·7	14·8	
9·8		24·2	52·4	
9·8		25·2	53·1	
9·7		27·2	9·9	
9·4		29·7	9·2	
9·3		33·2	43·9	9·0
9·6		41·7	38·2	
9·6		43·7	39·4	
9·6		45·2	3·8	
9·3		53·3	57·8	
9·4		54·2	20·0	
9·8		55·1	57·6	
9·6		58·2	38·0	
8·6		59·2	50·4	8·5 G
9·6	48	2·7	47·1	
8·5		4·2	40·6	9·0
9·6		31·7	37·2	
9·3		33·2	18·9	
9·8		39·2	12·9	
9·8		43·2	23·1	
8·7		46·2	1·8	−
9·5		46·7	53·0	
9·6		56·2	50·6	
9·6		59·2	58·2	
9·8	49	2·1	16·9	
9·6		2·2	59·1	
8·1		11·7	41·8	7·5 G−
9·3		18·7	23·6	
9·8		19·7	20·0	
9·6		23·7	38·8	
	+1	3·2	−7·0	

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3961—4020.

mag.	9h. m	s	—36° ′	
9.8	49	36.2	56.4	
9.8		36.2	22.2	
9.8		36.2	20.2	
8.4		37.7	44.9	8.0
9.5		44.2	23.8	
9.7		49.2	15.0	
9.8		51.8	58.2	
9.6		54.2	19.4	
9.8		54.7	27.1	
9.8	50	1.2	14.4	
9.8		10.2	12.7	
9.3		12.7	12.9	
9.8		19.2	46.5	
9.3		25.7	29.8	9.0
9.0		26.7	18.2	
8.8		29.7	34.1	8.5
9.8		33.2	43.2	
9.8		45.2	38.8	
9.3		47.2	47.8	
9.8		49.2	4.7	
9.8		49.2	47.2	
9.4	51	9.2	38.0	
9.5		21.2	44.0	
9.3		23.7	32.6	10.0
8.7		33.7	55.0	9.5
9.5		38.7	52.0	
9.8	52	0.7	24.7	
9.8		3.2	7.6	
9.4		9.7	5.0	
9.8		11.2	12.8	
9.5		14.2	36.8	
9.8		16.2	6.9	
9.7		45.2	34.1	
9.8		49.2	51.8	
9.8		50.2	11.8	
9.8		54.7	39.0	
9.4	53	4.2	13.8	
9.8		5.7	5.3	
9.8		13.5	58.7	
9.5		21.7	14.8	
9.8		23.6	13.2	
9.6		29.1	14.6	
9.8		39.2	19.1	
9.3		40.2	34.1	
9.0		47.2	46.8	
9.8		49.8	10.8	
9.2		52.0	46.3	
9.4		56.8	10.3	
10.6	54	15.0	45.0	
10.6		28.8	49.5	
10.3		30.9	26.7	
9.4		43.4	27.2	
10.6		46.4	54.4	
10.3		50.9	53.5	
8.6		57.4	8.4	=
10.6		59.7	0.8	
10.6	55	15.4	56.8	
10.6		15.9	49.9	
9.8		17.4	14.2	
10.6		30.9	3.2	
25pr.	+1	3.7	−7.1	

4021—4080.

mag.	9h.–10h. m	s	—36° ′	
9.8	55	45.4	20.7	
10.6		48.9	3.7	
10.6		52.6	58.3	
10.6		54.4	33.8	
10.6	56	0.4	18.2	
9.6		9.9	51.1	
10.6		22.9	28.4	
9.4		25.4	46.9	9.5
10.2		27.4	44.0	
10.0		40.4	44.2	
10.0		40.4	33.6	
10.4		41.4	11.4	
10.3		50.4	19.2	
10.6		57.4	52.2	
9.8	57	4.9	55.0	
10.4		11.4	13.2	
9.8		14.9	24.9	
10.6		17.4	49.0	
10.0		17.9	24.1	9.5
10.3		21.9	3.1	
10.6		26.4	50.0	
10.3		30.9	43.7	
9.8		39.4	12.0	
10.4	58	0.4	51.8	
8.0		3.4	44.4	9.0
10.6		11.9	12.6	
10.3		15.9	26.7	
9.6		18.4	28.5	
9.8		24.4	19.0	
10.2		29.4	10.4	
9.8		29.4	39.9	9.0
10.0		32.9	21.1	
10.3		37.4	49.9	
10.6		48.9	41.2	
10.3		57.4	58.8	
10.6	59	0.4	32.1	
10.3		2.4	54.1	
10.6		3.4	47.0	
10.6		5.4	15.8	
9.8		8.4	12.8	
10.3		8.4	38.4	
10.3		15.9	53.6	
10.6		24.4	10.3	
10.6		26.4	6.9	
9.8		27.9	23.6	
10.6		28.9	7.9	
10.6		29.4	22.9	
10.6		38.5	25.1	
9.4		41.9	41.1	
7.8		44.4	3.8	8.0 G=
10.0		49.4	35.0	
9.6		49.9	54.0	
10.4	0	3.9	52.3	
10.6		4.4	42.5	
9.0		9.9	0.8	9.0
10.6		18.7	2.0	?
9.8		21.4	20.8	
9.8		53.4	17.9	
9.4	1	2.9	14.0	
10.6		4.6	57.9	
	+1	4.3	−7.2	

4081—4140.

mag.	10h. m	s	—36° ′	
9.8	1	6.4	6.2	
10.3		7.4	16.3	
9.4		12.9	13.2	
9.8		14.4	23.9	
10.6		14.9	17.1	
9.8		39.4	37.7	
8.8		41.4	5.5	8.5 −
10.6		43.9	35.1	
10.3		44.9	46.0	
10.6		45.4	34.9	
10.6		50.9	40.7	
9.2		55.9	3.7	8.5 =
8.6	2	6.9	53.7	8.5
10.6		8.9	57.2	
9.8		11.9	10.3	
10.6		31.9	41.2	
10.6		36.4	10.9	
10.2		37.4	15.1	
7.0		38.9	43.3	7.0 GS–t
9.8		40.4	11.1	
8.4		44.4	26.9	
10.2		57.4	20.4	
9.0		58.1	57.5	9.0
10.6		59.4	54.1	
10.6	3	0.4	42.5	
9.8		1.9	54.5	
10.4		7.9	58.2	
9.4		19.4	15.8	
10.2		19.4	13.7	
10.4		26.4	47.5	
9.2		29.4	40.8	9.5
9.8		36.4	5.2	
9.8		44.4	16.3	
10.2		49.4	42.7	
9.8		52.9	45.6	
9.8		58.9	35.1	
10.2		59.4	23.9	
9.8	4	2.4	38.9	
10.0		4.4	44.5	
10.6		8.4	59.1	
8.6		9.4	55.1	
9.8		11.4	32.8	
10.6		24.9	9.5	
8.4		26.9	9.0	W≡
9.4		28.4	5.4	
9.8		39.4	42.9	
10.0		44.4	19.2	
10.6		46.4	34.1	
10.3		59.4	15.1	
10.4	5	7.1	24.7	
10.6		24.6	32.0	
10.6		26.1	28.0	
9.6		29.6	13.8	
10.2		32.1	4.6	
10.4		33.6	25.7	
9.8		38.3	2.4	
9.8		53.1	26.1	
10.4		57.6	39.6	
10.6		58.1	8.0	
10.2		58.6	13.5	
	+1	4.8	−7.3	

4141—4200.

mag.	10h. m	s	—36° ′	
8.6	6	4.6	10.9	8.5 =
9.8		7.6	45.2	
8.8		8.1	57.0	8.5
10.3		38.1	22.3	
8.4		49.6	42.2	
10.6		52.1	58.1	
10.6		53.6	52.1	
9.4	7	2.3	2.8	
10.3		7.6	56.6	
9.4		9.6	20.6	
8.8		34.6	53.1	
10.6		38.1	37.5	
9.8		39.6	38.6	
9.4		54.6	56.5	
10.6	8	0.6	3.3	
10.3		2.6	18.2	
10.6		9.6	34.7	
10.6		17.1	47.7	
9.2		18.1	49.8	9.5
10.2		20.1	51.3	
10.0		21.8	0.3	
10.6		28.1	36.5	
10.3		39.6	50.0	
10.2		40.0	18.9	
9.8		44.0	22.0	
10.6		47.5	44.3	
10.0		51.0	27.8	9.5
10.6	9	8.5	28.9	
8.4		12.0	1.8	8.5 ≡
10.6		12.0	6.4	
10.0		13.5	3.9	
10.6		17.0	20.3	
10.2		22.0	42.4	
10.0		25.0	47.7	
10.4		30.0	43.3	
9.8		32.8	0.8	
10.4		35.0	50.5	
10.4		41.0	32.0	
9.8		48.0	16.1	
10.3		54.0	9.2	
10.4	10	0.0	46.3	
9.8		1.5	39.8	
10.6		7.5	51.9	
9.8		15.0	37.5	
10.2		15.5	42.7	
9.4		16.5	21.4	10.0
10.6		25.0	11.1	
10.4		28.5	44.8	
10.0		32.0	25.4	
10.2		46.5	45.3	
8.0		54.5	17.1	7.5 G
10.6		58.0	57.5	
10.2	11	2.0	18.1	
9.4		9.0	1.0	
10.2		11.0	19.1	
9.8		15.0	28.1	
10.6		25.0	33.1	
10.0		29.5	15.4	
10.6		35.0	53.3	
10.6		40.0	2.7	
	+1	5.3	−7.4	

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4201—4260.

mag.	10h. m s	–36° ′	
10·6	11 41·2	32·5	
10·6	44·2	31·9	
10·6	45·0	10·0	
10·6	45·5	54·2	
10·6	48·5	11·7	
10·6	49·5	15·9	
10·6	50·0	33·5	
9·4	52·0	41·7	
10·6	53·5	39·7	
10·6	12 19·8	58·2	
10·0	20·0	5·3	
9·6	21·0	33·4	
9·8	21·5	55·1	
10·6	34·0	2·0	
9·6	41·0	43·1	
9·4	42·5	10·8	
10·6	44·0	50·9	
10·3	53·0	24·5	
10·6	13 1·0	8·5	
10·6	4·5	44·3	
9·8	9·0	53·0	
7·4	9·5	10·8	7·0 GS≡t
9·4	30·0	27·0	
10·3	31·5	48·7	
9·8	40·0	23·4	
9·0	46·8	57·4	9·5
10·3	48·0	28·1	
9·8	51·5	22·6	
9·2	52·0	3·3	
10·2	14 2·5	12·5	
10·3	17·0	25·6	
9·8	29·5	14·9	
10·3	34·0	6·8	
9·8	35·0	55·4	
10·4	44·0	5·7	
9·8	48·0	56·2	
10·6	15 2·5	40·5	
9·8	4·5	7·5	
9·8	5·0	22·3	
10·6	6·0	17·5	
9·8	12·0	29·8	
10·6	12·8	57·2	
10·6	14·5	26·5	
10·2	18·5	51·2	
10·4	21·5	24·6	
10·6	22·5	56·2	
10·4	41·5	56·3	
8·0	45·5	30·2	8·5 –
8·5	51·7	2·9	–
8·4	52·5	43·4	9·0
10·6	53·5	34·8	
9·8	56·0	22·8	
9·8	57·5	16·8	
9·2	16 7·0	17·4	
10·6	9·0	23·5	
9·4	16·5	28·1	
10·0	23·0	2·2	
10·6	30·5	19·0	
10·6	32·0	22·9	
10·6	44·5	5·0	
25pr.	+1 5·8	–7·5	

4261—4320.

mag.	10h. m s	–36° ′	
9·8	16 45·0	48·8	
10·6	53·5	47·1	
10·6	55·0	27·8	
10·6	57·5	24·9	
10·0	17 0·0	53·3	
10·6	5·5	3·6	
10·3	8·0	22·6	
9·0	16·5	27·8	
9·8	19·0	33·3	
10·4	21·5	13·3	
10·6	23·0	34·6	
9·0	26·5	42·7	
10·3	35·0	36·6	
10·2	38·5	8·8	
10·6	49·5	21·7	
10·0	51·0	46·8	
10·0	51·8	59·2	
8·5	18 1·0	0·4	
10·4	6·0	33·6	
10·6	11·0	36·2	
10·6	11·0	5·4	
10·0	16·0	42·6	
9·8	17·3	57·7	
10·6	20·6	55·3	
8·8	28·0	40·5	
9·2	30·0	41·9	
10·6	30·5	9·7	
10·6	33·1	56·5	
10·0	45·0	53·0	
10·4	49·7	16·1	
10·6	52·0	25·3	
10·6	52·5	56·7	
10·6	53·1	26·4	
10·3	19 1·6	20·9	
10·4	11·3	27·9	
9·6	15·8	8·0	
10·4	20·3	50·9	
9·8	24·1	4·6	
10·4	29·8	20·3	
9·4	30·3	8·9	
9·8	30·3	53·1	
10·4	37·8	50·0	
10·4	38·8	55·4	
10·2	40·3	31·8	
9·6	43·3	41·2	
9·0	49·3	37·7	
9·0	49·8	3·1	9·5
10·4	52·3	19·8	
10·4	53·6	49·1	
10·0	56·3	27·0	
9·1	56·8	7·0	
10·2	59·3	22·0	
10·4	20 4·8	15·6	
10·4	5·3	38·0	
10·4	11·3	57·8	
9·6	13·3	11·4	
9·0	13·8	15·5	
9·8	18·3	45·0	
9·6	19·3	56·1	
9·8	23·8	40·6	
	+1 6·3	–7·6	

4321—4380.

mag.	10h. m s	–36° ′	
10·2	20 30·1	41·2	
10·2	38·3	54·4	
10·4	43·8	9·5	
9·4	48·8	28·1	
10·4	51·8	53·4	
9·8	56·8	41·6	
9·0	21 7·3	28·6	
10·4	9·3	22·9	
10·4	13·8	7·7	
10·4	14·8	0·0	
9·5	18·3	40·8	
10·0	20·3	59·0	
10·0	20·8	20·0	
10·2	21·0	58·0	
10·2	21·3	21·3	
10·4	29·5	59·6	
8·7	37·8	34·6	8·0 G–
9·6	41·0	57·2	
9·8	41·8	23·2	
10·2	42·8	56·1	
10·0	54·8	57·5	
10·4	22 8·3	49·0	
9·6	9·3	59·6	
9·8	9·8	20·3	
10·4	16·8	32·5	
9·1	19·3	19·0	9·5
10·0	19·8	9·0	
9·6	20·3	10·9	
9·0	23·7	57·2	
9·6	29·3	51·6	
9·8	34·3	26·8	
9·6	42·8	3·3	
10·0	49·8	7·9	
10·4	54·3	13·6	
9·4	23 15·8	19·2	
10·0	25·8	8·0	
8·2	30·8	16·0	8·0 –
10·4	36·3	0·2	
9·8	41·8	21·8	
9·6	41·8	3·3	
8·6	42·5	0·8	9·0 =
10·2	50·3	24·3	
10·2	52·8	18·1	
9·6	54·3	27·5	
10·4	58·3	9·0	
9·8	58·8	59·3	
9·4	59·5	51·7	
10·2	24 8·8	16·2	
9·0	9·8	15·2	9·5
9·8	11·3	22·6	
10·4	26·3	47·1	
10·0	29·3	56·0	
8·4	36·0	3·2	8·5 =
10·0	36·8	40·4	
10·4	37·9	47·3	
9·8	37·9	59·7	
10·4	40·8	5·4	
10·4	43·3	10·8	
10·2	43·8	16·7	
10·4	49·3	12·4	
	+1 6·7	–7·6	

4381—4440.

mag.	10h. m s	–36° ′	
10·2	24 57·3	19·3	
10·2	25 0·8	48·0	
10·4	12·8	31·0	
8·8	15·8	8·6	9·0
10·4	17·8	2·1	
10·4	18·8	58·2	
10·4	27·3	49·0	
8·8	27·8	19·6	
10·4	32·9	43·3	
10·0	36·8	48·2	
10·4	54·8	11·1	
10·4	26 2·8	48·3	
10·4	27·8	25·2	
10·4	38·8	52·0	
10·4	49·3	50·0	
10·4	27 0·8	6·0	
9·8	3·8	23·1	
9·8	3·8	32·8	
10·4	6·8	30·4	
8·7	9·3	25·5	
9·6	9·8	17·0	
10·4	16·8	19·2	
10·0	22·3	53·5	
10·0	27·8	38·6	
10·2	28·8	18·0	
9·4	29·8	3·4	
10·4	33·3	17·0	
10·2	35·8	12·6	
10·4	37·8	47·8	
9·8	39·3	4·0	
10·4	48·3	6·7	
10·4	49·0	1·4	
10·4	50·8	51·3	
10·4	28 7·3	22·8	
10·4	10·8	10·2	
9·4	18·8	30·4	9·0
10·4	20·6	59·7	
9·5	30·3	10·1	
10·4	35·3	52·0	
7·0	40·8	44·4	7·0 GSgt
10·2	41·3	6·0	
10·4	45·3	9·2	
10·4	49·8	21·8	
10·2	51·3	7·3	
8·2	54·8	42·6	8·0 G
10·4	58·3	55·0	
9·6	59·3	0·8	
10·0	29 13·3	17·6	
9·6	14·8	36·6	
9·8	29·3	40·0	
9·1	40·3	18·1	
10·2	40·3	16·5	
10·0	40·8	37·4	
10·2	46·3	34·4	
7·7	51·3	42·9	7·0 GS–g
9·8	51·8	52·0	
10·4	54·3	11·8	
9·2	30 7·8	28·5	
8·8	12·8	8·4	9·0
10·4	23·9	10·9	
	+1 7·2	–7·7	

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4441—4500.

mag.	10ʰ m	s	—36° ′	
9·0	30	34·3	58·7	
9·6		39·8	34·5	
10·4		41·3	12·8	
10·4		43·3	5·0	
10·4		51·3	22·0	
9·4		54·3	21·2	
9·5		56·8	14·0	
8·6		58·8	13·0	
10·4	31	1·8	48·0	
10·2		13·3	28·0	
10·2		18·1	42·6	
9·6		19·8	25·2	
9·0		23·8	53·1	
10·4		28·8	47·8	
9·8		29·8	14·8	
10·2		37·9	59·2	
10·4		40·3	2·8	
10·4		47·8	37·6	
9·0		47·8	27·2	
9·6		50·3	50·8	
9·5		51·8	52·8	
9·0		54·8	57·2	8·8
10·2		55·3	11·8	
9·6		58·8	30·6	
10·2		58·8	31·2	
9·6	32	5·3	54·6	
10·2		8·3	46·8	
9·8		11·3	10·0	
10·0		14·3	11·2	
9·8		14·8	51·2	
10·2		21·3	28·6	
10·2		28·3	33·0	
9·5		34·8	19·0	
9·8		35·3	6·0	
10·4		38·3	18·0	
10·2		39·3	6·6	
10·0		44·3	27·8	
10·4		55·8	46·0	
10·2	33	0·8	51·7	
10·2		1·8	55·6	
10·2		11·3	16·2	
9·8		11·8	58·0	
10·4		13·3	9·4	
8·2		13·3	56·4	8·5
10·4		18·8	46·0	
9·4		22·3	6·8	9·5
10·0		30·8	2·6	
10·2		31·9	1·6	
10·4		33·3	18·8	
7·7		36·8	1·8	7·0 GS=t
9·5		39·8	5·4	
7·7		40·3	47·2	8·0
10·0		48·8	29·3	
10·4		49·3	32·0	
9·6		59·8	36·6	
8·4	34	3·3	47·0	8·0
9·0		12·6	59·6	9·5
10·4		19·3	19·0	
9·5		20·3	40·0	
10·2		25·3	44·2	
25pr.	+1	7·6	−7·7	

4501—4560.

mag.	10ʰ m	s	—36° ′	
10·2	34	32·3	20·9	
9·6		37·3	45·2	
10·2		39·3	20·0	
9·6		47·8	19·6	
10·0		59·3	25·1	
9·5	35	3·3	43·2	
10·0		8·8	42·4	
10·4		9·8	50·8	
10·2		10·8	10·2	
10·4		20·8	31·9	
9·6		21·8	12·2	
9·8		26·3	14·2	
10·2		30·8	53·0	
10·4		39·3	23·6	
10·4		40·8	53·8	
10·0		46·3	12·8	
10·0		48·8	51·3	
10·4		53·3	19·8	
10·2		54·3	17·2	
9·4		59·8	24·0	
9·4	36	9·3	28·9	
10·2		19·3	23·6	
10·4		19·3	46·0	
10·0		22·8	26·4	
9·8		49·8	44·6	
10·0		55·3	7·3	
10·4		57·8	55·6	
10·4		59·8	2·0	
10·4	37	9·8	5·6	
10·4		13·1	57·3	
10·4		14·3	5·3	
9·6		16·3	25·2	
9·4		17·3	21·6	
10·4		17·8	46·8	
9·8		18·1	0·8	
9·8		25·3	14·3	
9·6		29·3	54·2	
9·2		30·3	18·4	9·5
10·4		34·8	52·2	
10·4		39·3	26·7	
8·8		42·8	8·8	9·0 =
10·4		44·8	22·2	
8·6		46·3	38·6	
10·0		49·8	42·2	
10·0		49·8	43·2	
9·8		57·6	59·6	
9·8		58·8	42·0	
9·8		59·3	59·8	
10·4		59·8	17·0	
10·4	38	1·3	30·4	
10·2		2·3	4·6	
9·4		11·8	27·7	
10·0		22·8	11·2	
10·2		28·8	38·4	
8·2		34·3	10·3	8·5 GW=t
9·5		39·8	54·4	
9·6		46·3	48·6	
10·4		49·8	1·2	
10·2		52·3	39·0	
10·4		53·8	1·4	
	+1	8·1	−7·8	

4561—4620.

mag.	10ʰ m	s	—36° ′	
7·3	38	56·3	16·4	7·5 GS–t
8·8		59·3	11·0	
10·4	39	0·0	59·0	
8·7		0·8	13·2	9·0
10·4		3·9	9·7	
10·0		9·3	9·2	
8·8		10·8	36·9	
9·8		33·1	57·0	
10·4		41·8	34·6	
10·4		41·9	37·1	
7·7		44·3	44·2	8·0
9·4		55·3	55·4	
9·1		55·8	45·4	9·0
10·4		57·8	27·3	
10·4	40	7·3	43·8	
8·3		7·3	17·2	8·0 SW–
9·4		18·8	39·2	9·5
10·0		18·8	43·6	
10·0		22·3	40·6	
8·8		22·3	13·0	9·0
10·0		22·8	26·9	
9·6		27·8	36·2	
10·4		37·3	51·2	
10·4		39·8	40·8	
10·4		40·3	28·8	
9·1		43·8	53·2	
9·8		44·3	49·6	
10·4		48·3	59·0	
10·2		50·7	48·9	
9·6		50·8	59·6	
9·8		51·8	27·2	
9·4		53·8	37·0	
9·0	41	3·3	59·2	
10·2		9·8	27·8	
10·0		13·3	49·8	
10·0		16·3	13·2	
10·2		19·3	47·0	
8·4		22·8	41·0	
10·4		28·8	19·0	
7·9		43·8	51·9	8·5
10·4		49·3	7·0	
10·4		56·3	28·6	
10·4	42	5·8	36·0	
9·8		7·8	47·4	
9·1		12·8	8·4	
9·0		13·8	3·8	
9·8		17·8	39·0	
9·8		18·8	26·8	
9·8		19·8	45·3	
10·0		20·3	43·8	
10·0		23·8	17·8	
9·4		24·8	52·9	
10·4		25·8	31·2	
10·0		28·8	52·4	
9·5		29·3	45·0	10·0
10·4		35·8	9·8	
10·4		35·8	19·5	
9·5		46·3	26·6	
10·4		53·8	24·0	
10·0		58·3	30·4	
	+1	8·5	−7·9	

4621—4680.

mag.	10ʰ m	s	—36° ′	
10·2	42	59·8	47·2	
9·4	43	1·1	59·8	10·0
10·4		7·8	27·2	
8·8		11·8	29·3	
10·4		12·3	9·8	
10·2		13·3	1·9	
10·2		16·3	32·0	
10·0		16·8	44·8	
9·8		17·8	21·8	
10·0		19·1	38·9	
10·0		19·3	44·2	
10·4		19·8	27·8	
9·6		22·8	40·6	
10·4		25·3	43·8	
9·8		27·8	30·3	
9·4		34·8	26·6	
10·2		36·8	30·4	
10·0		59·3	12·6	
10·4	44	9·3	12·8	
9·4		21·8	20·0	
8·7		24·8	6·4	–
9·5		29·3	32·4	
10·0		35·0	59·0	
8·6		36·3	16·2	
10·0		38·8	0·7	
9·6		40·8	45·6	
10·0		42·8	58·3	
10·4		44·3	12·2	
9·8		45·8	42·2	
10·0		46·7	27·6	
10·2		54·3	5·7	
10·2		59·8	48·6	
8·7	45	9·3	45·3	
10·4		10·8	17·3	
9·8		18·9	15·6	
10·2		23·5	34·2	
8·2		27·0	17·6	8·0
9·5		27·0	48·7	
10·2		28·5	55·0	
10·2		32·8	1·5	
10·2		38·6	1·3	
9·6		38·6	41·0	
10·2		43·1	19·4	
10·2		45·6	20·7	
9·8		55·6	21·6	
8·9		59·6	39·0	9·5
9·8	46	19·6	2·8	
9·6		20·6	23·7	
9·2		28·6	12·1	
9·6		43·6	50·5	
9·2		44·6	40·7	
10·2		53·6	7·1	
10·2		57·6	26·0	
8·8	47	6·6	3·3	=
9·2		9·1	45·9	
10·2		15·1	25·2	
9·6		18·1	57·5	
10·2		25·1	36·4	
8·6		28·1	57·5	9·5
10·0		31·6	34·9	
	+1	8·9	−7·9	

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4681—4740.

mag.	10h. m	s	—36° ′	
8·8	47	33·1	28·9	9·5
9·6	48	8·6	42·4	
8·3		23·6	35·6	9·0
10·0		31·6	27·7	
10·2		38·6	25·7	
10·2		40·6	11·9	
10·2		54·6	26·6	
9·0		55·6	54·0	
10·2	49	21·1	5·5	
8·2		33·1	10·0	8·5 =
9·8		39·6	29·5	
9·6		41·6	12·8	
10·2		42·6	36·0	
9·2		57·2	0·7	9·0 –
9·6		58·1	59·3	
9·0	50	28·1	38·4	
10·2		38·6	5·7	
10·2		39·2	30·1	
10·0		40·5	13·0	
6·6		54·5	27·9	5·0 GStπ
10·2	51	2·5	52·0	
10·0		14·5	3·1	
10·2		16·5	44·4	
9·8		20·0	50·9	
10·2		27·5	15·6	
9·5		33·5	18·6	
10·2		50·5	5·1	
10·0		53·0	23·2	
9·6	52	1·0	20·7	
10·0		7·0	8·7	
10·2		14·5	24·0	
10·2		16·0	50·8	
10·2		22·5	44·7	
10·2		23·5	46·7	
9·6		24·0	42·1	
9·0		29·0	28·9	
10·0		29·0	43·7	
9·6		35·0	48·0	
10·2		38·8	47·2	
9·4		39·3	1·0	
9·6		48·5	44·4	
9·4		53·5	51·9	
9·2		54·5	48·2	
8·6	53	0·0	37·4	G
10·2		0·5	17·0	
9·8		9·0	17·3	
10·2		15·0	9·7	
9·8		18·5	4·8	
9·8		18·7	19·3	
10·0		19·0	4·1	
10·2		19·5	54·1	
9·8		21·5	12·7	
9·6		30·5	1·6	
10·2		54·5	33·4	
10·2		55·0	6·0	
10·0		55·0	52·7	
9·6	54	8·0	59·4	
9·5		11·4	37·0	
9·6		13·9	48·6	
9·6		16·9	5·0	
25pr.	+1	9·6	−8·0	

4741—4800.

mag.	10h. m	s	—36° ′	
10·2	54	28·9	11·5	
10·2		42·9	27·0	
9·6		43·9	25·4	
9·5		47·9	5·6	
8·9		56·0	1·8	–
10·0	55	0·4	4·2	
9·8		18·9	44·8	
10·0		19·4	33·6	
9·6		19·9	47·4	
9·8		23·9	54·6	
10·0		29·1	58·7	
9·8		33·4	16·9	
10·0		34·4	30·0	
10·0		34·9	4·1	
8·9		37·9	21·0	9·5
9·2		38·4	13·8	
10·2		38·4	44·0	
10·2		48·4	13·6	
9·2		52·9	45·0	
10·2	56	3·0	31·6	
8·9		9·4	38·4	
9·5		11·4	11·5	
10·2		17·9	20·8	
10·2		19·9	51·4	
10·0		28·9	30·2	
9·8		34·4	29·7	
8·6		39·4	52·7	9·5
10·2		44·4	57·0	
8·6		50·9	52·5	9·0
9·5		53·9	24·8	
9·4		56·4	38·4	10·0
10·2		58·9	36·9	
10·2		58·9	13·2	
10·2	57	0·9	50·2	
9·5		11·4	27·6	
10·0		14·9	12·8	
9·6		27·4	8·0	9·2
9·8		30·9	6·4	
10·2		33·4	12·1	
10·2		34·4	28·3	
10·2		35·4	13·0	
10·2		38·4	49·3	
10·2		57·9	55·4	
10·2	58	3·4	14·9	
10·2		3·4	6·3	
9·6		3·9	42·4	
10·2		3·9	55·6	
10·2		13·4	10·2	
10·0		18·9	29·2	
8·4		21·4	10·0	8·8 =
7·6		24·3	2·9	7·5 GS≥t
10·2		30·9	26·5	
10·2		30·9	33·3	
10·2		41·9	37·6	
9·2		50·4	17·3	9·8
9·8	59	21·4	18·7	
10·0		23·4	41·5	
10·2		28·4	21·6	
10·0		49·4	36·1	
10·2		54·4	27·0	
	+1	10·1	−8·0	

4801—4860.

mag.	10h.–11h. m	s	—36° ′	
10·2	59	58·4	14·2	
10·2	0	8·4	23·8	
9·8		15·9	10·4	
10·2		24·9	33·9	
9·4		25·4	28·4	9·0
9·2		26·9	22·2	9·0
9·6		56·9	47·4	
9·8		56·9	24·9	
10·0	1	7·9	45·1	
9·4		24·9	36·0	10·0
8·9		28·4	42·0	9·5
10·2		29·9	47·5	
10·2		33·9	17·2	
9·8		45·4	32·3	
10·0		59·4	27·7	
10·2	2	29·4	5·1	
9·8		29·4	22·7	
10·0		34·4	51·5	
10·2	3	11·4	56·1	
9·6		15·9	34·4	
10·2		26·9	18·6	
10·2		39·4	21·0	
10·2		47·4	33·7	
9·5		49·4	17·1	
9·8		58·4	56·8	
9·8		58·4	13·4	
10·2	4	1·4	2·6	
10·2		3·9	48·7	
9·5		13·4	42·2	
9·6		17·4	53·4	
9·5		20·4	23·7	
10·2		27·9	7·6	
8·8		28·9	44·3	
10·2		33·4	45·9	
10·2		33·4	15·0	
10·2		45·4	40·6	
10·2		51·4	2·1	
10·2		55·4	46·8	
8·8		57·9	2·8	9·0
10·2	5	1·9	16·8	
10·2		14·4	28·4	
8·6		20·4	43·9	
9·4		21·9	39·0	
9·6		29·4	29·2	
9·8		30·4	52·6	
9·8		32·3	0·2	
9·8		52·9	44·8	
9·6		53·4	46·4	
10·2		53·9	27·4	
8·8	6	11·4	54·0	
9·8		19·4	57·9	
9·0		19·4	53·9	
9·8		22·9	19·0	
9·8		24·4	0·4	
10·2		40·8	2·2	
10·2		46·4	37·8	
9·2		47·4	42·1	9·0
10·2	7	16·4	53·1	
10·2		17·4	1·5	
8·6		26·9	46·2	9·5
	+1	10·8	−8·1	

4861—4920.

mag.	11h. m	s	—36° ′	
10·2	7	33·9	41·4	
9·5		39·9	49·7	
9·8		52·9	37·5	
9·6		53·4	17·6	
9·6	8	0·9	52·4	
9·5		13·9	27·2	
9·8		14·9	38·9	
10·2		19·4	31·6	
10·2		24·4	55·9	
9·5		34·4	19·3	9·0
10·2		42·4	50·0	
9·5		49·4	22·4	9·0
9·8	9	3·1	25·4	
10·2		3·8	19·0	
9·8		8·8	41·6	
8·8		10·4	5·2	9·0
9·0		22·4	2·4	9·0
10·0		25·3	21·3	
10·2		26·8	11·7	
9·6		35·6	10·0	
10·2		39·6	13·0	
10·2		58·3	46·7	
10·4	10	0·1	29·5	
10·2		1·3	43·4	
10·2		15·1	57·6	
9·4		18·1	8·1	
10·4		27·3	20·9	
10·4		29·3	36·9	
9·6		31·8	36·2	
9·4		33·7	57·8	9·5
8·6		40·3	59·8	9·0
10·4		47·3	44·4	
10·0		48·3	42·6	
10·0		50·3	43·9	
9·6	11	4·3	9·4	
10·4		13·3	37·0	
8·6		19·3	7·5	
10·0		23·3	35·0	
10·4		31·3	44·9	
9·2		34·8	5·8	
10·4		35·3	18·5	
9·8		52·8	40·5	
8·2		53·8	41·8	
7·8		57·3	30·7	–
10·4	12	0·3	27·7	
9·4		11·8	4·1	
8·3		15·0	58·3	
10·0		28·3	51·3	9·0
10·2		29·8	51·7	
9·7		31·3	51·1	
9·6		31·3	3·8	
10·0		32·3	42·5	
10·0		42·3	34·5	
10·4		42·3	56·0	
10·2	13	2·8	28·0	
10·4		3·3	26·8	
9·2		20·3	6·4	
9·8		21·3	20·6	
9·6		26·8	53·5	
9·4		31·8	2·9	
	+1	11·6	−8·2	

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4921—4980.

mag.	11h. m	s	−36° ′	
10·4	13	49·3	18·3	
8·3	14	3·3	43·7	9·0
10·4		4·3	21·3	
9·0		5·3	40·3	9·0
10·4		12·8	46·0	
10·4		18·5	17·1	
9·0		24·0	57·6	9·0
7·4		26·0	52·8	8·0 G
10·0	15	4·5	43·4	
10·0		7·0	41·7	
10·4		12·0	40·4	
9·6		13·0	27·6	
9·8		13·5	20·5	
10·0		29·5	3·4	
9·8		36·5	10·0	
9·0		39·5	23·2	
9·0		40·5	22·0	
9·8	16	0·5	56·1	
10·0		1·5	36·8	
9·0		8·5	12·9	
9·4		14·0	43·4	
9·8		16·5	37·0	
10·2		45·0	13·6	
9·8		56·0	52·0	
10·4	17	7·5	42·9	
10·4		12·0	22·0	
8·3		38·5	45·4	
10·4		38·6	46·3	
9·7		43·5	6·0	
10·2	18	9·5	43·6	
10·4		19·5	21·7	
8·3		23·0	23·7	8·5 G
8·3		29·5	30·0	8·5 G
9·7		30·5	25·0	
8·6		30·5	17·6	8·5 G
10·4		39·5	55·4	
10·0		46·5	29·8	
8·8		49·5	3·2	
10·4	19	1·0	53·9	
10·4		5·2	29·3	
10·4		7·7	43·1	
10·4		21·2	55·1	
10·4		27·2	54·1	
10·4		29·7	57·3	
10·2		46·2	16·1	
8·7		48·2	13·0	9·0
9·0	20	5·7	46·3	
9·8		9·2	37·7	
10·4		9·7	0·1	
10·2		16·7	52·3	
10·4		16·7	16·1	
10·4		25·2	28·7	
10·4		27·7	18·5	
8·4		28·7	11·7	7·5 G–
9·8		31·7	22·5	
10·2		34·7	19·1	
10·4		37·7	23·6	
10·0		43·7	18·0	
10·4		49·7	39·4	
9·7		53·7	38·1	
25pr.	+1	12·3	−8·2	

4981—5040.

mag.	11h. m	s	−36° ′	
8·0	21	13·7	50·9	8·5
10·4		29·2	57·2	
10·0		34·7	47·5	
10·4		40·7	50·5	
8·7		48·7	36·0	
8·8		58·2	19·9	
10·4	22	1·7	2·1	
7·4		2·7	23·9	G–t
10·0		14·7	26·7	
10·2		19·7	18·5	
10·4		40·7	37·0	
9·8		51·7	3·9	
10·4	23	12·7	3·2	
10·0		17·7	22·7	
9·2		20·7	37·4	
9·2		21·2	47·0	9·5
10·4		34·2	26·9	
10·4		40·2	1·7	
10·2		41·2	25·1	
10·4		43·7	44·0	
10·4		45·7	51·7	
10·0		50·7	8·9	
9·2		52·2	8·5	9·0
10·4		52·7	33·9	
10·2		58·7	31·1	
10·0	24	8·7	27·1	
10·0		18·2	4·3	
10·2		20·7	40·7	
10·2		21·7	7·4	
10·4		25·7	7·9	
9·0		28·2	4·9	9·0
10·4		29·7	23·5	
9·8		38·7	31·7	
9·8		39·2	15·3	
8·3		46·5	57·3	8·2 G
10·0		48·2	36·0	
10·4		58·7	29·1	
10·2	25	5·7	21·3	
10·4		8·2	46·1	
10·4		34·7	27·6	
9·4		35·2	12·1	
10·4		35·7	37·4	
10·4		37·7	10·3	
10·4		40·7	31·2	
10·0		48·2	13·0	
10·4		49·7	36·5	
10·4		54·2	54·1	
10·4		54·7	35·9	
9·7		59·7	16·4	
10·4		59·7	19·0	
8·8	26	4·7	16·7	
9·4		9·7	33·0	
10·0		18·7	9·7	
10·0		19·7	33·8	
10·4		26·2	11·3	
10·4		27·7	45·5	
10·4		28·9	25·6	
10·0		33·2	4·1	
9·2		39·2	49·0	9·0
10·4		39·7	40·8	
	+1	12·9	−8·3	

5041—5100.

mag.	11h. m	s	−36° ′	
10·4	26	43·7	16·9	
10·4		51·7	15·3	
10·4		55·2	47·3	
10·4	27	7·2	29·4	
10·2		8·7	42·3	
10·4		12·7	9·8	
10·0		23·2	50·2	
9·8		38·0	57·8	
9·8		42·2	17·3	
9·2		49·5	56·9	9·0
10·2		50·7	7·5	
10·4		52·2	5·5	
9·4	28	1·7	17·1	
10·4		7·2	46·9	
10·4		23·7	17·2	
10·4		25·2	23·2	
10·4		45·2	1·3	
9·4		53·7	23·6	
9·2		54·4	59·1	
9·4	29	20·4	59·1	
10·4		21·7	14·0	
10·2		29·7	26·2	
10·0		32·2	48·6	
9·6		35·2	58·1	
9·4		38·7	46·6	
9·7		39·8	32·5	
9·4		47·8	19·8	9·0
9·0		50·8	27·4	9·0
10·0		51·6	0·7	
9·7		54·8	49·3	
10·2		55·3	50·1	
10·4		55·8	7·5	
8·3	30	1·8	22·1	7·5 G
10·4		4·3	42·2	
10·4		4·8	14·9	
9·0		6·0	58·2	
9·0		7·8	29·2	
10·4		17·8	21·6	
10·4		28·8	12·3	
6·6		30·8	32·7	6·5 GS–g
9·7		34·8	21·6	
8·3		38·3	20·8	8·5 –
9·8		38·8	54·0	
10·0		38·8	46·6	
9·6		46·8	56·5	
8·0	31	20·0	2·2	7·5 G–
10·4		21·8	2·7	
9·6		26·8	57·2	
9·6		27·3	10·7	
8·8		50·8	32·9	
8·8		51·6	59·1	8·5
10·4		55·8	35·4	
9·0		55·8	7·2	9·0 G
9·8	32	29·3	5·6	
9·6		29·8	51·8	
9·7		42·8	29·2	
9·4		53·8	19·1	
9·7	33	0·8	57·3	
10·4		15·3	33·2	
9·4		15·8	15·8	
	+1	13·6	−8·3	

5101—5160.

mag.	11h. m	s	−36° ′	
7·4	33	19·8	44·3	7·5 G–
9·4		20·8	20·9	
9·7		28·8	19·2	
10·0		29·8	14·8	
10·4		35·3	41·1	
10·4		38·3	43·6	
9·2		40·8	48·0	9·0
8·8		49·8	12·3	9·0
10·4		54·3	41·7	
9·4	34	2·7	44·7	
10·4		27·5	25·6	
10·4		30·8	10·6	
10·2		33·5	40·9	
10·2		43·5	52·0	
9·4		49·8	58·6	
10·2		51·8	53·3	
9·7	35	0·3	27·2	
9·8		11·7	11·1	
9·8		19·6	27·8	
8·6		20·6	6·1	9·0
10·0		23·8	59·0	
10·0		29·6	58·0	
10·0		33·2	1·1	
10·0		35·7	12·8	
9·4		36·1	2·2	
9·2		36·6	16·1	9·5
10·0		45·6	57·9	
9·8		49·6	6·0	
10·0	36	12·6	39·0	
10·0		15·6	11·3	
9·2		25·6	54·9	
9·7		29·6	51·8	
9·7		30·1	48·1	
9·3		33·1	42·3	
8·5		39·6	54·7	9·0
9·4		43·6	56·1	
10·0		50·1	23·1	
10·0	37	2·1	19·0	
7·1		14·6	29·7	GS–ct
9·8		19·6	43·6	
9·0		22·1	26·7	
10·0		27·6	32·1	
8·6		55·1	4·9	9·0
9·3		59·6	32·1	
10·0	38	9·6	29·8	
10·0		11·1	53·3	
9·8		14·6	33·5	
9·6		23·1	39·7	
10·0		24·6	7·6	
10·0		40·6	38·9	
9·3		49·9	58·3	
9·3		56·6	49·4	9·5
9·7		56·6	15·6	
9·7		58·6	28·8	
10·0	39	2·6	7·4	
7·9		14·6	55·8	7·5 GW–
8·9		35·1	47·3	
10·0		41·6	16·9	
10·0		43·6	33·9	
9·8		49·0	2·7	
	+1	14·2	−8·3	

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5161—5220.

mag.	11h. m	s	—36° ′	
10·0	39	49·1	13·2	
9·5		52·6	46·0	
10·0	40	9·1	12·2	
10·0		43·6	17·8	
10·0		53·6	32·6	
9·2		54·6	10·2	Gg
10·0		55·1	2·8	
9·2		56·1	26·1	
9·4	41	11·6	48·1	
10·0		20·1	15·0	
8·5		21·1	41·5	8·5
9·7		32·6	52·2	
9·8		40·6	39·4	
8·5		41·6	34·0	8·5 G
9·4		43·6	28·3	
10·0		48·6	23·2	
10·0		55·6	25·6	
9·6	42	9·6	52·7	
10·0		9·6	47·1	
10·0		18·6	4·1	
9·4		22·1	16·0	
9·5		23·1	10·7	
9·6		31·1	32·4	
9·2		51·1	52·3	9·0
9·8	43	6·1	40·0	
9·5		9·6	58·5	
10·0		12·1	5·1	
10·0		38·1	38·0	
10·0		39·6	16·7	
9·6		48·6	18·4	
9·5		57·6	24·0	9·5
8·6	44	2·1	10·4	
9·0		10·6	10·3	
8·0		19·4	59·2	8·0 GW—
9·5		29·6	18·2	
9·0		43·6	56·2	9·0
10·0		48·1	46·4	
9·5		49·6	20·4	
9·7		49·6	29·0	
7·8		53·6	14·3	W≡
10·0		53·9	57·4	
10·0		54·6	16·0	
9·2	45	5·1	4·4	
10·0		9·6	30·6	
10·0		13·4	34·0	
9·8		17·6	26·3	
9·8		19·6	59·5	
10·0		30·6	0·1	
9·7		32·6	29·2	
10·0		39·6	16·2	
8·9		50·1	16·2	9·0
9·3		51·1	33·3	
9·8		52·6	42·9	
9·4	46	11·1	45·6	
9·7		13·1	17·3	
9·4		15·3	59·7	
9·3		15·6	38·8	
9·0		16·1	10·0	
9·7		16·1	4·0	
10·0		17·4	40·2	
25pr.	+1	15·0	—8·3	

5221—5280.

mag.	11h. m	s	—36° ′	
10·0	46	17·6	55·5	
9·8		19·6	50·2	
9·6		29·1	49·6	
10·0		39·6	1·0	
9·8		43·6	29·1	
10·0		44·6	3·9	
9·2		55·1	12·1	
9·6		58·6	29·0	
10·0		58·6	47·8	
8·5	47	21·1	36·3	
9·6		21·4	19·5	
10·0		22·6	34·1	
10·0		26·0	1·4	
10·0		40·6	3·4	
10·0		47·4	59·6	
9·8		49·6	3·5	
9·2		53·6	50·0	
8·5		54·1	54·3	8·0 G—
10·0		54·1	0·1	
9·4	48	3·1	49·0	
9·6		9·6	13·0	
10·0		12·6	7·8	
9·0		14·6	19·4	
9·7		15·1	13·2	
10·0		28·6	18·3	
9·6		31·1	56·2	
10·0		44·6	17·0	
9·3	49	8·0	1·7	
8·7		8·6	35·5	8·5 —
10·0		19·6	7·1	
9·5		31·6	7·8	
9·3		33·6	57·2	
9·4		34·6	10·6	
10·0		36·1	35·0	
10·0		42·1	8·3	
9·4		51·1	14·4	
10·0		55·6	32·4	
9·3	50	4·6	2·8	
9·8		6·1	56·5	
10·0		14·1	30·4	
9·0		18·6	35·6	9·5
9·8		21·1	10·0	
9·2		41·6	9·1	
10·0		41·8	58·8	
9·7		43·1	14·3	
9·2		48·1	33·1	
9·8		53·1	9·8	
9·5	51	12·1	55·7	
9·0		21·8	57·2	8·5 G—
9·2		40·1	46·0	9·0 —
9·7	52	3·6	21·4	
9·8		11·1	16·2	
9·6		14·6	34·9	
10·0		19·1	7·8	
10·0		19·6	30·9	
9·8		26·0	1·0	
10·0		26·1	45·0	
10·0		26·6	49·0	
9·5		29·6	22·0	
9·8		33·6	55·0	
	+1	15·6	—8·3	

5281—5340.

mag.	11h—12h. m	s	—36° ′	
9·2	52	37·6	6·1	
9·8		37·6	36·2	
10·0		42·1	8·4	
9·5		42·6	6·2	
10·0		48·6	46·6	
10·0		54·6	2·3	
10·0		59·1	22·7	
10·0	53	1·6	20·9	
10·0		33·3	57·8	
9·0		35·6	43·6	9·5
9·8		38·6	27·2	
8·2		53·1	3·0	8·5
10·0	54	18·6	35·1	
8·1		26·1	47·0	8·5 G≡
9·2		52·6	15·8	
9·3	55	9·6	55·2	
9·0		34·6	1·0	
8·7		46·0	0·0	9·5
10·0		50·1	8·4	
9·3	56	1·1	2·4	
10·0		9·6	11·2	
9·2		19·6	54·6	
8·4		21·1	17·8	=
10·0		26·6	36·1	
9·2		41·1	55·9	
9·7		47·1	6·7	
10·0		47·6	5·1	
10·0		51·6	20·8	
9·5		56·1	12·7	
9·4	57	3·1	55·5	
8·9		4·6	38·9	
9·2		5·1	50·9	
8·6		8·6	13·0	
9·7		11·1	31·0	
10·0		19·1	47·7	
9·4		29·1	56·5	9·5 —
10·0		39·6	3·6	
9·0		41·6	29·5	
9·5		45·1	51·1	
10·0		54·6	48·8	
10·0	58	4·6	41·7	
9·6		15·6	50·6	
9·0		17·6	22·2	9·5
8·4	59	2·6	51·4	8·0 G=
10·0		9·6	44·8	
9·5		18·6	8·8	
10·0		19·2	6·2	
9·3		32·1	53·5	9·0
10·2		33·7	48·1	
8·6		38·4	23·4	—
9·7		49·9	29·1	
8·5		55·4	38·7	
10·2		55·6	33·9	
10·2		57·9	26·9	
10·1		59·1	10·6	
10·2	0	0·4	12·6	
10·1		4·4	23·7	
9·6		27·9	31·1	
10·2		32·7	57·8	
9·7		39·9	47·6	
	+1	16·5	—8·4	

5341—5400.

mag.	12h. m	s	—36° ′	
9·6	0	44·1	11·7	
9·6	1	0·7	52·9	
9·0		11·7	29·3	
10·2		29·7	12·4	
9·6		39·7	4·8	
9·6		44·9	2·4	
9·2		57·7	33·1	
9·6		57·7	14·8	
9·4		58·7	18·6	
10·2	2	28·7	36·2	
10·2		32·6	11·5	
10·1		40·7	12·5	
9·7		54·2	56·5	
9·6	3	20·2	34·7	
9·7		26·7	34·7	
9·4		38·2	7·8	9·0
9·6		44·7	8·0	
8·9		48·7	29·8	=
10·1		59·7	54·9	
10·2	4	7·9	59·3	
9·8		8·6	41·7	
7·8		8·7	8·3	8·5 GSt
8·8		12·2	41·4	
10·1		15·7	16·9	
10·2		20·7	17·9	
8·8		26·7	9·0	9·0
9·4		30·2	51·1	9·5
9·6		30·7	8·5	
9·9		31·7	40·0	
10·2		36·7	46·9	
10·2		44·7	15·6	
9·7		46·7	5·1	
10·2		57·7	1·1	
9·7	5	8·2	33·0	
9·2		9·7	46·1	
10·2		13·2	31·2	
10·2		26·7	54·3	
8·4		43·7	53·1	8·5
9·6		46·7	12·0	
9·7		48·2	53·1	
10·1		58·7	43·8	
10·0	6	7·2	27·5	
10·1		7·7	50·2	
8·2		18·7	49·8	7·5 GS—t
9·4		22·7	41·4	9·5
9·8		37·7	34·2	
10·2		38·7	44·1	
9·7		40·7	42·0	
10·2		42·2	26·3	
9·4		48·7	13·2	
10·2		58·2	8·1	
9·8	7	3·7	47·2	
10·2		17·7	4·0	
10·2		20·2	6·1	
9·4		23·7	26·4	
10·2		28·7	18·2	
9·0		30·2	13·0	8·5 —
9·6		30·2	22·8	
8·0		37·7	2·0	8·0 G
10·2		38·7	19·9	
	+1	17·4	—8·4	

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5401—5460.

mag.	12h. m s	—36° ′	
10·2	7 54·7	55·0	
10·2	56·7	42·6	
10·2	59·7	15·0	
10·0	8 13·2	53·1	
10·0	24·2	15·0	
10·2	39·7	55·9	
9·9	53·2	52·0	
10·1	9 3·7	44·9	
10·0	6·2	45·0	
8·9	21·2	3·7	9·0
10·2	26·2	18·9	
10·2	29·7	52·9	
10·1	30·7	49·1	
9·9	32·7	47·4	
9·4	46·7	30·8	
10·2	50·7	23·0	
9·4	10 0·7	58·1	
10·1	9·2	52·1	
9·2	12·7	13·7	
10·0	19·7	37·1	
9·4	39·2	2·6	
9·6	40·0	57·8	
10·0	40·2	54·1	
10·2	11 5·2	24·2	
9·6	7·2	8·9	
10·0	9·7	4·8	
9·6	15·7	8·0	
9·8	29·7	34·3	
9·7	47·7	39·1	
10·2	52·7	26·7	
10·2	12 8·7	16·9	
9·9	28·7	49·8	
9·8	31·3	59·5	
10·1	35·7	39·1	
9·6	13 2·9	1·5	
10·2	8·7	8·0	
10·2	18·7	58·1	
9·8	26·7	50·1	
10·2	35·2	15·7	
9·6	46·7	26·5	
10·0	58·7	36·4	
9·6	14 0·7	31·1	
10·2	2·2	16·8	
10·0	9·7	25·9	
10·2	16·2	53·6	
10·2	31·2	34·8	
10·1	15 9·2	33·1	
9·8	16·2	30·0	
9·4	24·7	26·8	
9·4	31·2	23·8	
9·6	31·7	28·5	
9·6	31·7	29·9	
9·9	32·2	17·3	
10·2	43·7	26·1	
10·2	50·2	27·4	
10·2	53·7	3·0	
10·2	58·7	32·0	
9·4	16 9·2	14·8	
9·9	15·2	29·6	
7·8	39·7	47·7	7·5 GS=
25pr.	+1 18·1	−8·3	

5461—5520.

mag.	12h. m s	—36° ′	
9·9	16 48·7	20·3	
10·1	50·2	30·3	
9·7	53·7	54·8	
9·6	17 3·2	14·2	
9·6	3·7	56·8	
9·8	5·2	32·3	
10·2	8·7	7·6	
10·1	8·7	47·3	
9·6	10·2	10·8	
9·9	17·7	14·8	
9·6	27·7	9·5	
10·2	28·2	49·0	
9·6	33·7	49·9	
9·7	44·7	40·8	
9·9	45·7	21·9	
9·9	55·7	33·4	
9·8	18 3·7	17·0	
10·2	9·2	26·5	
9·6	11·2	7·7	
9·9	17·7	11·6	
10·1	24·7	26·0	
8·8	26·2	39·6	
10·1	36·7	8·2	
9·6	42·7	52·3	
8·9	48·9	1·4	9·0
9·6	54·7	22·8	
9·6	59·7	11·9	
9·9	19 0·7	0·2	
10·2	11·2	33·2	
10·2	26·2	20·9	
8·9	35·7	59·9	9·0
9·9	40·2	12·9	
10·1	59·7	42·2	
10·2	20 2·9	1·6	
9·6	12·2	10·1	
9·4	12·9	0·7	
9·4	18·2	46·8	9·5
9·7	18·5	46·3	
9·6	18·7	46·5	9·5
10·2	21·7	50·4	
9·9	32·2	32·6	
10·2	53·2	16·7	
9·7	21 5·7	31·3	
9·7	17·2	3·8	
10·2	17·7	27·9	
10·2	19·7	50·9	
8·2	19·9	0·9	–
9·4	24·7	44·8	9·5
9·4	26·2	39·3	
10·2	26·2	46·7	
10·2	38·2	15·9	
9·6	38·7	51·6	
10·1	49·7	43·9	
10·1	52·2	38·8	
10·2	56·7	42·9	
10·1	22 2·7	40·0	
10·2	4·2	24·0	
10·1	6·7	5·8	
10·1	7·7	8·3	
10·2	19·7	32·7	
	+1 19·0	−8·3	

5521—5580.

mag.	12h. m s	—36° ′	
10·1	22 19·7	41·1	
9·6	36·7	27·0	
10·1	38·2	21·5	
8·4	38·7	15·2	9·0
10·0	52·7	43·0	
9·6	54·2	30·0	
10·1	55·7	3·3	
10·0	23 3·7	41·9	
9·7	18·7	34·2	
9·4	24·7	8·4	
10·0	31·2	12·0	
10·2	43·7	45·7	
10·0	49·2	40·9	
9·7	54·7	39·9	
10·0	24 3·2	41·8	
9·2	5·7	54·2	
10·2	10·2	35·1	
9·9	23·2	51·7	
8·9	26·9	5·6	9·5 –
10·0	30·2	1·5	
10·2	46·7	45·9	
9·6	46·7	8·8	
9·6	46·9	50·8	
9·0	49·4	37·9	9·5
10·2	56·1	58·5	
9·9	25 0·9	47·6	
8·6	9·7	37·5	9·0 –
9·2	10·7	49·1	
10·2	16·2	24·9	
10·2	29·6	16·7	
9·0	46·2	35·0	9·5
9·8	48·1	6·9	
10·0	54·1	16·8	
9·8	58·6	1·3	
10·0	26 3·1	21·9	
10·0	7·6	12·0	
9·4	23·1	46·8	
9·4	25·0	57·4	9·5
9·6	27 12·6	32·1	
9·6	33·1	11·1	
9·6	43·3	59·6	
9·8	44·6	10·1	
10·0	28 28·1	57·6	
10·0	48·6	37·8	
10·0	51·2	59·0	
9·8	29 1·1	27·0	
9·0	3·6	6·6	
9·2	12·6	38·8	–
9·6	17·6	50·1	
10·0	28·6	12·0	
10·0	44·7	31·7	
10·0	49·2	33·1	
9·6	30 5·7	38·3	
8·9	7·7	57·0	9·5
10·0	18·7	10·7	
9·2	31·2	58·0	9·5
10·0	37·7	24·5	
9·6	58·2	55·5	
10·0	31 7·2	39·0	
9·8	18·7	45·0	
	+1 19·6	−8·3	

5581—5640.

mag.	12h. m s	—36° ′	
10·0	31 25·2	55·1	
10·0	40·2	53·0	
10·0	43·2	3·5	
9·8	44·2	44·1	
8·2	59·5	2·6	8·5 G
9·8	32 1·7	10·8	
10·0	5·7	41·9	
9·4	7·2	21·5	
9·8	23·2	55·0	
9·8	26·7	8·8	
8·9	57·2	35·3	–
9·2	59·2	16·3	
10·0	33 5·7	57·5	
10·0	9·2	11·1	
9·1	15·2	36·0	
9·2	17·2	32·1	
10·0	23·5	0·9	
9·6	28·2	45·7	
9·6	37·7	30·7	
10·0	46·7	17·7	
10·0	54·7	53·7	
9·4	55·2	52·2	
10·0	34 14·2	47·9	
8·8	14·2	11·5	
9·6	18·8	51·0	
10·0	19·8	44·5	
9·4	21·8	18·5	
9·1	29·8	43·9	
10·0	41·3	26·4	
10·0	41·8	53·1	
8·8	35 6·0	59·8	9·0 G
9·4	18·8	31·0	
9·8	18·8	17·3	
9·6	19·8	41·6	
9·2	50·8	11·2	
10·0	59·8	6·2	
8·8	36 39·8	8·8	
9·6	39·8	57·6	
10·0	41·3	7·3	
9·8	55·3	6·8	
9·8	57·8	13·7	
10·0	57·8	27·1	
10·0	37 3·8	12·7	
10·0	26·8	15·2	
10·0	26·8	37·1	
8·6	28·8	32·9	W–
9·6	34·8	47·4	
10·0	45·3	45·8	
10·0	49·8	43·2	
9·6	53·8	37·1	
9·4	54·8	3·5	
9·4	54·8	47·6	
9·4	58·3	7·9	
10·0	58·3	2·7	
9·1	38 5·8	37·6	
9·8	12·9	41·9	
10·0	21·1	0·8	
10·0	21·4	55·3	
10·0	27·4	12·6	
9·8	31·4	24·9	
	+1 20·6	−8·3	

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5641—5700.

mag.	12h. m	s	—36° ′	
9·6	38	31·4	48·1	
9·2		38·9	11·8	
8·1		41·4	45·9	8·0 G—
10·0		56·4	38·1	
10·0		57·4	36·8	
10·0	39	6·4	29·7	
9·8		10·4	34·8	
8·9		20·2	58·3	9·5
9·6		23·4	6·3	
10·0		39·4	12·8	
9·4		49·4	11·2	
9·6	40	18·4	42·3	
9·6		18·4	26·2	
10·0		18·4	5·0	
10·0		20·4	17·1	
9·4		30·4	44·1	
10·0		31·1	2·6	
9·6		40·9	41·4	
9·4		47·4	15·1	
10·0		51·4	27·1	
10·0		52·4	21·8	
9·4	41	9·9	26·0	
9·6		22·4	14·1	
10·0		22·9	34·2	
9·6		40·4	15·6	
9·6		47·4	13·0	
9·2	42	1·4	39·3	9·0
10·0		2·9	40·3	
8·0		3·9	21·4	8·5
10·0		6·2	40·6	
9·2		13·4	44·1	9·5
10·0		18·4	32·6	
8·7		35·4	7·6	
9·0		36·4	21·5	9·5
9·4		45·4	5·1	
9·2		46·4	43·5	
10·0		51·9	4·9	
9·8	43	20·4	31·1	
8·6		20·9	47·9	8·0 G=
10·0		31·9	9·0	
10·0	44	5·4	56·0	
9·6		14·9	28·9	
9·8		19·9	31·6	
10·0		19·9	40·5	
10·0		20·9	15·0	
8·8		21·4	49·9	8·5 —
9·6		30·9	27·6	
9·8		32·9	17·1	
10·0		35·9	3·0	
9·1		45·7	2·7	
10·0		46·4	33·0	
9·4	45	4·9	44·4	
9·8		20·9	55·7	
10·0		35·2	59·0	
10·0		35·4	4·3	
10·0		35·9	28·9	
10·0		39·4	45·1	
9·8		43·9	49·7	
9·6		52·4	48·1	
9·6		53·4	15·8	
	+1	21·3	—8·2	

5701—5760.

mag.	12h. m	s	—36° ′	
9·2	45	55·9	9·6	
9·4		55·9	15·0	
9·8		58·4	13·7	
9·6	46	9·9	16·2	
9·6		13·4	19·1	
9·4		25·9	48·9	
9·8		32·4	36·3	
10·0		53·7	59·9	
9·2	47	5·4	14·5	
9·8		12·4	55·6	
10·0		22·4	51·8	
10·0		28·9	19·3	
9·6		34·9	30·7	
10·0		35·9	32·8	
8·8		40·9	7·9	8·5
9·8		40·9	42·0	
9·8		50·4	40·7	
9·2	48	1·1	43·2	
9·8		1·1	27·7	
9·4		4·6	25·5	
9·8		12·1	33·6	
9·2		12·1	46·6	
10·0		21·1	53·3	
9·6		22·6	29·3	
9·8		22·9	0·0	
9·8		26·1	15·2	
10·0		32·6	42·4	
9·8		53·1	28·0	
9·6	49	5·1	22·0	
10·0		9·1	12·6	
10·0		11·1	50·9	
8·3		15·1	12·2	8·5 G
9·2		30·6	42·5	
10·0		30·8	57·8	
9·2		36·1	1·2	
9·6		37·0	59·6	
9·6		37·1	26·6	
10·0		41·6	23·0	
9·6		47·1	39·9	
9·8	50	1·1	32·7	
10·0		6·2	51·0	
9·6		8·7	1·6	
10·0		10·2	10·1	
10·0		16·1	19·4	
10·0		30·2	40·0	
10·0		30·6	57·6	
9·6		39·6	30·8	
9·1		43·1	55·5	
9·8		46·6	38·2	
10·0		55·8	30·1	
7·9	51	2·7	7·2	9·0 G—
10·0		11·5	5·3	
10·0		18·1	55·2	
8·8		19·8	7·7	9·0 G
9·8		36·8	58·5	
9·0		56·3	17·8	
10·0	52	0·0	2·6	
10·0		10·8	36·2	
9·4		29·8	57·8	
10·0		39·8	1·5	
	+1	22·1	—8·2	

5761—5820.

mag.	12h.–13h. m	s	—36° ′	
9·8	52	50·8	28·1	
10·0		58·8	32·1	
10·0	53	5·8	56·9	
10·0		16·3	3·9	
9·8		24·8	27·3	
9·8		31·8	23·7	
9·3	54	17·3	12·4	
9·2		40·8	35·8	
9·8		42·8	23·4	
9·6		44·3	15·1	
9·9		59·3	33·4	
9·8	55	13·6	1·3	
8·6		32·8	46·4	8·2 G=
10·0		38·8	23·9	
9·6	56	35·3	35·2	
10·0		54·8	22·5	
10·0		54·8	4·4	
9·3		59·8	23·0	
9·8	57	5·3	57·2	
10·0		9·8	42·2	
9·3		9·8	27·1	
9·4		11·8	19·8	
10·0		17·8	39·8	
9·3		31·8	9·7	
9·8		58·3	32·4	
8·6	58	2·8	51·2	8·5 G—
9·2		6·3	22·8	
10·0		9·8	27·3	
9·8		18·3	20·2	
9·2		18·8	58·8	9·0 G
10·0		18·8	44·4	
10·0		45·3	37·2	
10·0		45·8	6·2	
9·5		54·5	2·2	
10·0		55·8	26·5	
10·0	59	4·3	41·0	
9·9		5·8	53·9	
9·8		20·8	37·6	
9·9		21·8	23·1	
10·0		27·3	23·0	
8·8		56·8	52·8	8·0 G—
10·0	0	13·8	25·0	
10·0		14·8	26·c	
10·0		21·3	25·2	
10·0		24·8	16·0	
10·0		45·3	30·6	
9·6		46·3	30·4	
10·0	1	2·3	25·2	
9·8		5·3	22·7	
9·8		7·3	46·2	
10·0		11·3	44·8	
10·0		31·8	40·5	
10·0		39·8	4·6	
8·8		41·8	17·2	9·0
10·0	2	9·8	30·3	
9·2		10·8	37·1	
8·8		39·8	54·8	9·0 G
9·5		49·8	4·7	
9·6	3	10·8	13·5	
9·6		18·8	45·1	
	+1	23·1	—8·1	

5821—5880.

mag.	13h. m	s	—36° ′	
10·0	3	27·3	43·9	
9·8		47·3	51·7	
10·0	4	10·8	28·3	
9·5		15·3	58·2	9·5
9·9		31·3	12·3	
8·0		42·3	43·9	8·0 GW—
10·0	5	18·3	14·1	
10·0		38·8	50·9	
9·8		46·8	40·2	
9·9		59·8	10·7	
10·0	6	15·9	58·9	
10·0		19·8	32·3	
9·3		40·3	22·9	
9·6		43·8	59·7	
9·0		44·8	3·9	
10·0		50·3	59·0	
10·0		55·3	20·5	
10·0	7	1·8	39·7	
9·9		5·3	23·7	
9·6		9·3	20·5	
10·0		26·3	51·0	
10·0		51·3	14·5	
10·0		53·3	47·9	
9·2		54·3	11·4	
7·4	8	11·3	45·7	8·0 G—
9·9		11·3	54·1	
10·0		12·3	16·9	
9·6		12·3	37·1	
9·8		14·8	48·4	
9·9		15·8	30·9	
10·0		29·8	19·4	
10·0		36·3	38·3	
9·3		53·9	0·9	9·0
8·6	10	2·3	30·6	9·0
10·0		5·3	28·3	
10·0		7·8	29·5	
10·0		15·3	4·5	
9·9		17·3	38·5	
8·8		21·3	9·5	8·5 G
9·2		30·3	16·7	
7·8		35·3	21·3	8·0 G—
10·0		48·8	34·1	
9·6		58·3	51·3	
8·9	11	24·3	38·3	
9·8		27·3	53·7	
10·0		42·8	43·2	
10·0		45·8	34·3	
10·0		52·8	9·3	
10·0	12	2·8	27·6	
8·8		26·8	20·5	
9·6		34·8	35·7	
10·0		40·3	22·2	
9·8		40·3	48·4	
9·6		42·3	40·5	
9·8		44·3	42·5	
10·0		44·3	22·6	
10·0		51·3	36·0	
10·0	13	0·3	15·9	
10·0		4·8	8·1	
4·2		35·3	3·1	3·0 GSπλ
	+1	24·0	—8·0	

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5881—5940.

mag.	13h. m	s	—36° ′	
10.0	14	0.3	0.0	
10.0		14.8	19.1	
9.9		20.3	21.2	
9.4		23.3	31.3	
9.5		31.3	21.4	
10.0		40.8	44.9	
9.2		47.6	27.6	
10.2		57.8	14.8	
10.4		58.9	26.6	
9.4	15	8.3	9.0	
10.0		17.5	32.9	
9.6		25.0	14.1	
10.4		39.6	12.5	
10.4	16	2.3	38.4	
9.2		27.0	54.6	9.5 –
9.4		35.8	13.0	
9.4		45.8	22.1	
9.8		56.8	44.7	
9.0	17	10.8	37.8	
10.4		22.3	22.9	
10.4		46.8	25.3	
7.7		52.8	22.9	8.0 G–
10.3		54.8	22.9	
9.8	18	2.8	58.9	
10.4		13.8	37.8	
10.2		14.8	35.1	
9.6		32.3	44.8	
9.8		56.3	38.5	
9.8		57.3	5.6	
10.3		58.3	34.3	
8.6	19	0.8	34.6	9.0
9.8		2.8	4.0	
9.8		4.8	15.5	
9.6		14.8	10.7	
10.2		22.8	8.3	
10.0		24.3	43.5	
10.3	20	8.8	56.3	
10.3		19.8	6.7	
9.6		24.3	53.8	
9.6		27.3	15.2	
10.3		38.3	24.4	
9.8		44.3	6.0	
9.6		52.4	59.8	
10.4		52.8	26.0	
10.3		56.3	40.8	
10.3		58.8	55.4	
10.4	21	9.3	55.8	
10.2		12.8	20.3	
10.4		32.8	30.9	
9.6		33.8	20.9	
10.0		40.8	26.7	
9.8		55.1	59.2	
9.6	22	12.3	6.4	
10.2		14.3	45.4	
10.0		23.7	2.0	
10.4		23.8	8.8	
10.0		24.8	42.5	
9.0		26.8	54.7	–
10.4		40.8	47.9	
10.0		41.8	23.8	
25pr.	+1	25.2	−7.9	

5941—6000.

mag.	13h. m	s	—36° ′	
10.4	22	53.8	4.8	
10.4	23	6.8	41.8	
10.3		8.8	14.9	
8.8		10.8	16.0	–
10.3		13.8	4.0	
10.3		16.3	37.2	
9.8		18.3	24.7	
9.6		18.8	0.8	
10.4		30.3	27.0	
10.4		31.0	58.7	
9.8		36.3	36.5	
10.3		49.3	15.7	
9.8		50.3	41.7	
10.4		50.8	20.3	
10.3		52.8	20.7	
10.4		57.6	59.3	
9.6		57.8	54.4	
10.0		58.8	16.8	
10.4	24	3.3	3.9	
9.2		3.9	2.5	8.5
9.8		7.8	51.7	
9.8		13.8	49.9	
10.4		15.3	21.9	
10.4		23.8	33.6	
10.4		24.8	12.8	
9.6		28.3	56.9	
8.8		38.3	50.1	9.0
9.6		43.8	37.8	
10.4		45.8	19.0	
10.4		58.3	35.4	
9.6	25	0.8	10.1	
10.4		8.8	49.3	
10.4		18.8	54.9	
10.2		20.3	27.9	
9.0		25.3	5.9	
10.4		30.8	33.9	
8.1		38.8	12.6	7.5 G=
10.4		43.3	53.5	
10.0	26	3.3	56.5	
9.8		17.3	9.1	
9.6		18.8	3.8	
10.4		22.3	17.8	
9.4		23.8	5.2	9.5
9.8		27.4	58.1	
10.4		30.8	44.3	
10.4		32.8	56.1	
10.2		32.8	46.7	
9.6		35.8	49.2	
9.8		39.8	33.5	
9.8		44.8	2.2	
10.0		49.3	12.7	
9.0	27	1.8	39.8	
9.4		11.3	38.6	
10.2		13.8	33.2	
10.0		20.8	19.9	
9.4		21.3	18.5	
9.6		30.8	3.0	
9.4		43.8	46.4	
9.2		46.3	30.4	
10.4		46.3	18.3	
	+1	25.8	−7.8	

6001—6060.

mag.	13h. m	s	—36° ′	
9.4	27	46.8	57.6	
9.8		48.8	26.0	
9.8		49.3	27.2	
8.6		51.8	54.8	W–
10.4		52.8	10.8	
10.4		53.8	48.6	
10.3		56.8	6.8	
10.4		58.8	54.5	
10.4	28	0.8	11.6	
10.4		3.8	3.7	
9.8		16.8	11.3	
9.0		19.8	42.5	
10.0		33.3	3.6	
10.4		42.8	41.1	
10.2		48.3	33.9	
10.3		50.8	48.8	
10.4		56.8	9.4	
10.2		58.8	38.3	
10.4		58.8	25.9	
9.3		59.8	2.3	–
10.4	29	0.8	48.5	
10.2		10.8	23.9	
8.9		11.8	52.9	9.0
10.2		12.8	32.5	
9.8		13.3	2.9	
9.6		25.3	36.9	
9.8		25.3	29.9	
10.4		35.3	24.6	
10.4		44.8	48.7	
7.8		47.3	27.5	8.0 G–
9.4		49.8	52.0	–
10.4		50.8	31.8	
10.4	30	8.8	11.0	
9.6		22.8	48.8	
10.2		29.8	48.2	
10.4		34.3	55.3	
10.4		42.1	2.9	
10.2		44.8	40.1	
9.4		48.8	12.5	
10.2		50.3	41.8	
10.2		52.8	42.2	
8.5		54.8	50.7	9.0 –
9.0	31	2.8	42.2	
9.2		3.8	20.7	
10.0		14.3	17.7	
9.8		17.3	39.5	
9.6		17.3	8.2	
9.8		17.3	27.9	
9.6		19.8	48.9	
9.0		20.3	24.9	
9.0		29.8	18.5	
10.2		29.8	37.9	
10.2		30.8	53.9	
9.8		32.8	20.9	
10.4		33.3	35.6	
10.3		46.3	44.7	
9.8		47.8	51.3	
9.6		49.0	42.2	
10.2		50.5	14.7	
10.4		53.5	25.8	
	+1	26.3	−7.7	

6061—6120.

mag.	13h. m	s	—36° ′	
10.4	31	53.5	11.9	
9.6		58.0	8.9	
10.0	32	11.7	58.3	
10.4		18.0	50.1	
10.0		18.3	59.7	
10.4		19.5	4.6	
10.4		26.0	25.7	
10.4		28.5	12.5	
8.7		28.5	33.0	–
10.0		42.0	56.5	
10.4		53.0	59.2	
10.3	33	30.2	59.9	
10.0		34.0	5.2	
10.4		40.5	47.0	
10.0		58.5	49.0	
10.0		58.5	38.5	
9.6	34	5.5	15.9	
10.4		6.0	5.8	
10.4		7.5	7.8	
10.4		12.5	46.4	
10.0		14.0	35.9	
10.0		15.0	44.6	
9.8		18.0	58.3	
10.4		22.5	25.4	
10.4		26.0	8.3	
10.2		28.5	32.2	
10.4		40.5	32.5	
9.8		51.0	6.6	
9.4	35	4.5	52.4	
9.0		10.5	44.6	8.5 G=
10.2		11.0	54.9	
10.3		16.5	16.6	
8.4		18.5	53.2	8.4 G
10.3		27.5	3.7	
10.3		30.0	3.8	
10.0		36.5	57.9	
10.3		42.5	49.8	
10.2		49.0	25.2	
10.4		56.0	9.9	
9.8		57.5	34.0	
9.0		59.5	46.6	
10.0	36	25.5	31.9	
10.3		35.0	30.8	
9.6		50.5	2.0	
10.4		51.0	50.2	
10.0		51.5	17.1	
9.3		53.5	6.4	
10.4	37	19.5	57.9	
10.3		20.5	36.6	
10.0		23.0	58.7	
10.0		31.5	4.6	
10.4		39.0	53.9	
10.2		49.5	42.9	
10.3	38	10.0	48.7	
9.8		10.0	52.3	
10.4		30.3	2.2	
9.6		30.5	48.7	
10.4		57.5	41.2	
10.4		58.5	34.2	
10.4		58.5	0.2	
	+1	26.7	−7.6	

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6121—6180.

mag.	13h. m	s	—36° '	
9·2	39	2·5	17·3	–
10·3		2·5	23·9	
10·3		6·5	13·4	
10·0		8·5	23·6	
10·4		27·1	58·8	
9·6		38·5	25·0	
10·4		42·0	30·7	
9·8	40	0·5	5·4	
10·3		2·0	18·7	
9·8		23·5	8·6	
9·8		28·5	42·6	
10·4		31·5	50·9	
8·8		33·5	21·3	8·0 G–
10·4		40·6	53·9	
9·8		58·9	48·2	
9·2	41	2·2	15·0	9·0 G
6·7		22·2	30·2	7·0 GS–t
10·4		28·1	5·2	
10·4		29·7	43·3	
10·4		33·4	13·8	
10·0		39·9	36·6	
9·8	42	3·9	29·5	
9·8		20·4	2·8	
10·4		30·9	34·9	
10·0		37·9	4·7	
10·4		38·4	12·3	
10·0		41·4	53·9	
10·2		41·9	1·6	
10·2		50·4	8·2	9·5
10·4		53·9	48·5	
10·4	43	7·4	46·0	
10·4		13·4	16·4	
9·6		13·9	11·0	9·5
10·4		28·4	0·8	
10·4		53·4	12·7	
10·4		55·1	28·9	
8·0	44	4·9	46·3	8·0 G–
9·7		4·9	19·3	
10·4		19·9	30·2	
8·4		37·2	0·2	9·5 –
10·4		39·9	45·1	
10·4		45·9	1·0	
9·8		50·4	23·2	
8·7	45	8·4	12·9	8·0 G–
10·0		8·4	54·0	
9·6		14·9	16·8	
9·8		24·9	12·9	
10·4		25·9	56·5	
10·0		51·4	46·1	
8·8		58·9	51·2	9·0 –
10·4	46	14·4	1·2	
10·4		22·7	0·0	
9·7		31·9	58·7	
10·4		34·1	59·6	
10·0		34·9	27·1	
10·4		36·8	57·7	
8·4		48·9	14·8	G–
10·0		57·9	58·8	
10·4	47	2·9	29·9	
10·4		8·9	13·7	
25pr.	+1	27·5	–7·5	

6181—6240.

mag.	13h. m	s	—36° '	
9·0	47	10·4	15·1	G
10·4		13·4	56·7	
10·4		22·9	28·3	
9·6		34·9	5·3	
10·4		35·9	56·3	
10·4		48·4	16·7	
9·7		48·9	28·5	
8·8		54·9	5·7	
9·0	48	8·4	17·0	
10·4		9·9	18·7	
10·4		39·9	12·1	
9·7		47·9	41·3	
10·4		59·9	56·7	
10·4	49	0·9	22·9	
10·4		19·4	50·1	
10·0		19·4	10·6	
8·6		54·4	27·0	9·0
8·4		58·9	33·1	8·0 G–
9·7	50	8·9	6·1	
8·9		18·9	37·7	8·5
9·7		19·9	40·7	9·5
10·4		20·0	0·1	
10·4		23·9	1·1	
9·7		30·4	12·4	
10·4		49·9	40·7	
10·4		50·9	3·9	
10·4		52·4	7·0	
10·4		55·4	45·7	
10·0		59·4	29·0	
9·2	51	16·4	41·5	9·5
10·4		30·5	14·6	
8·9		31·0	45·2	9·0 G
10·0		35·0	25·3	
9·5		39·5	26·8	
8·2		43·6	59·1	7·8 GW
9·5		50·5	16·6	
8·5	52	3·5	42·8	8·5 G
10·2		10·5	27·8	
10·4		19·0	10·1	
9·5		19·0	58·4	
10·4		26·0	33·5	
10·2		29·5	32·9	
10·4		36·0	44·5	
10·4		50·5	11·4	
9·0		52·0	30·5	
8·5		56·5	47·3	7·5 GS–
8·9	53	7·8	0·6	8·5 G–
10·0		14·5	8·1	
10·4		22·0	38·8	
9·5		31·5	56·6	
9·4		34·5	9·9	
9·0		35·5	40·4	
9·4		36·0	18·4	
8·1		41·5	51·7	7·5 GS=t
10·4		50·0	38·7	
10·2		50·7	1·2	
8·4		55·5	43·4	7·5 GS–t
10·4		59·0	53·1	
10·4	54	0·0	12·5	
9·0		14·5	53·0	9·5 G
	+1	28·4	–7·4	

6241—6300.

mag.	13h.–14h. m	s	—36° '	
9·6	54	28·0	23·6	
10·4		33·5	11·0	
10·4		46·5	2·4	
9·6		47·0	38·9	9·0
9·7		58·0	22·7	
10·4	55	2·5	7·1	
10·0		6·0	52·0	
9·5		11·0	33·2	9·5
10·4		27·5	31·9	
10·4		39·3	59·1	
9·7		57·0	48·4	
10·0	56	2·0	6·4	
10·4		15·5	6·3	
9·7		21·5	32·1	
10·2		27·5	19·3	
9·6		28·5	4·1	
8·2		39·0	40·7	8·0 GW
7·6		40·0	39·7	7·0 GS–g
9·7		51·0	34·9	
10·4	57	1·1	58·1	
10·4		5·0	16·1	
10·4		7·5	44·3	
10·2		10·5	0·5	
9·8		22·0	11·5	
8·7		30·0	22·5	9·0
8·8		31·0	9·7	8·5 G
10·4		56·5	2·9	
9·0		57·0	4·7	9·0
10·2	58	1·5	55·3	
9·5		8·5	16·9	
10·4		11·5	27·7	
10·4		28·5	51·0	
10·4		30·0	20·9	
10·4		43·5	41·9	
10·4		48·5	31·5	
10·4		56·0	40·5	
10·0		56·0	14·9	
9·8	59	2·0	7·3	
10·4		33·0	41·9	
10·0		40·5	21·9	
10·4		43·5	41·9	
9·5		50·7	0·7	
9·4		54·0	7·5	
10·4	0	3·0	2·9	
10·0		14·0	2·0	
10·0		20·0	38·3	
9·0		22·4	59·9	9·5 –
10·4		23·0	16·5	
10·4		30·0	27·7	
9·7		31·0	5·9	
9·0		38·5	22·1	
10·4		39·0	4·3	
10·2		45·0	49·9	
10·4		52·0	23·3	
9·7	1	2·5	36·3	
9·5		9·0	8·1	
10·2		24·5	53·7	
10·4		25·0	32·1	
10·0		25·5	47·8	
9·5		33·5	38·3	9·5
	+1	29·0	–7·3	

6301—6360.

mag.	14h. m	s	—36° '	
9·6	1	33·5	55·7	
9·7		37·0	21·9	
10·4		37·0	36·8	
9·6		39·0	42·7	
9·8		39·5	24·0	
10·4		43·5	21·5	
10·0		48·2	1·5	
10·2		53·5	40·9	
10·4		57·0	31·3	
8·9	2	0·5	6·1	9·5
9·0		1·5	10·0	9·5 –
10·2		31·0	45·5	
8·2		33·5	23·9	8·5 –
10·0		37·5	58·1	
10·4		53·0	11·5	
9·8	3	4·5	51·2	
10·0		4·5	27·1	
9·6		6·5	16·7	
10·2		11·5	31·9	
8·9		17·5	25·5	8·5 G
9·6		20·0	44·7	
8·9		20·0	14·7	8·5 G
10·4		21·5	40·4	
9·5		28·5	53·3	
9·5		41·5	28·6	9·5
9·5		46·0	20·9	
10·4	4	6·0	52·7	
9·7		18·5	29·1	
10·2		46·5	37·8	
10·2	5	0·0	58·6	
10·0		9·0	39·5	
9·5		18·5	41·1	
9·5		20·0	12·3	
10·0		20·0	3·9	
9·7		25·0	4·2	
9·7		30·5	20·1	
10·4		31·5	57·4	
9·3		36·0	19·8	
10·4		38·1	48·0	
10·2		40·2	58·6	
9·8		53·2	18·0	
10·4		58·5	11·0	
10·4		58·5	44·8	
10·4	6	13·2	49·9	
7·6		17·2	2·1	7·5 G=
10·4		24·5	30·4	
9·7		28·0	10·0	
9·7		50·0	14·0	
9·7		53·2	46·6	
9·4		55·0	6·8	
10·0	7	7·5	51·1	
10·4		10·5	28·3	
9·8		12·9	40·3	
10·0		13·1	48·6	
9·4		29·8	21·8	
10·0		41·8	30·9	
8·6		49·8	14·9	8·5
9·6		51·8	9·8	9·0
8·6		59·8	57·5	9·0
9·7	8	16·8	50·7	
	+1	29·6	–7·1	

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6361—6420.

mag.	14h. m s	—36° ′	
9·8	8 19·8	37·7	
10·0	26·3	4·9	
9·9	26·8	49·5	
10·0	29·8	21·9	
9·5	49·8	7·9	
10·0	51·3	4·9	
9·5	55·3	55·9	
9·0	9 1·8	54·3	
9·2	3·4	2·7	–
9·9	19·8	50·8	
9·7	20·3	12·9	
10·0	49·8	30·4	
9·1	10 3·2	1·2	9·0
9·8	20·2	46·5	
8·6	21·2	45·5	
9·2	43·2	10·3	9·0
8·1	11 17·2	45·0	8·5 W–
9·9	26·7	53·5	
9·7	44·7	48·4	
7·0	50·7	25·4	GS–t
10·0	54·7	17·3	G
10·0	12 0·7	37·1	
9·8	9·7	48·3	
8·1	11·2	16·8	7·0 GS t
9·1	14·2	48·6	
9·5	19·7	4·0	
8·8	24·7	16·6	8·5 G
9·8	24·7	21·3	G
10·0	32·7	12·1	
9·8	38·2	6·6	
9·2	58·9	57·6	9·0
10·0	13 4·7	58·9	
10·0	13·7	17·0	
9·6	19·7	11·2	
8·8	30·7	56·6	9·0
10·0	35·7	11·3	
9·7	14 21·7	33·9	
8·9	31·2	54·5	9·0
10·0	53·6	34·0	
9·1	15 2·6	20·5	
8·7	10·6	34·5	9·0
9·4	23·1	5·1	
9·9	28·6	56·2	
9·8	32·6	6·5	
9·8	55·1	40·1	
9·8	16 1·6	7·4	
8·0	5·1	51·6	8·5 G–
9·2	9·6	53·3	8·8 –
9·4	15·6	9·4	
10·0	17 15·6	58·6	
7·1	24·1	52·7	7·0 GS–t
9·9	38·6	47·0	
9·4	46·1	13·1	
9·8	49·6	8·8	
9·0	18 8·4	58·2	
9·2	9·6	18·6	
9·4	18·1	39·0	
10·0	32·1	22·2	
9·9	39·1	54·1	
8·7	39·6	56·3	8·8 –
25pr.	+1 30·4	−7·0	

6421—6480.

mag.	14h. m s	—36° ′	
9·9	18 45·1	10·1	
9·6	19 19·1	35·0	
9·7	33·0	45·2	
9·4	36·0	38·0	
8·8	36·0	13·3	8·8
9·4	59·5	27·8	
9·8	20 17·5	29·4	
9·1	18·5	42·8	
10·0	23·5	5·3	
9·4	32·0	7·1	
9·2	37·5	12·8	
9·9	57·0	43·8	
9·8	21 0·5	37·3	
8·9	2·5	30·5	9·5
9·7	12·5	15·3	
9·9	39·5	43·7	
9·8	39·5	32·0	
7·9	55·5	28·7	8·0 G
9·9	22 13·5	40·6	
9·5	19·5	23·1	
9·4	43·0	43·1	
9·9	47·5	36·9	
9·7	23 2·5	14·8	
9·8	5·5	28·0	
9·0	9·6	57·3	
9·5	18·5	55·1	
9·8	19·5	45·0	
9·9	30·0	37·9	
9·1	31·3	59·0	–
10·0	44·5	52·1	
9·2	54·3	18·9	
9·8	56·8	36·1	
9·2	24 19·3	51·4	
9·2	26·7	59·1	9·5 –
9·3	28·3	16·6	
9·4	30·3	13·3	
10·0	38·3	44·6	
10·0	54·3	54·7	
9·7	25 31·7	2·4	
8·7	39·3	41·2	8·5 G
9·1	40·3	42·0	9·2
9·2	43·3	55·5	
9·7	45·8	57·1	
10·0	46·8	23·6	
10·0	48·3	20·2	
10·0	58·8	25·1	
10·0	26 1·8	52·3	
9·9	18·8	27·8	
9·0	34·8	33·6	
9·1	39·3	27·5	
10·0	57·8	51·9	
9·6	27 4·8	31·2	
9·2	12·8	47·5	
7·9	15·3	39·2	GSt
10·0	44·3	22·3	
10·0	59·3	24·2	
8·2	59·3	0·2	8·5
9·8	28 11·3	20·0	
10·0	19·3	24·8	
10·0	41·8	13·8	
	+1 31·4	−6·8	

6481—6540.

mag.	14h. m s	—36° ′	
9·3	28 42·5	45·2	9·0 –
9·8	49·5	25·9	
8·9	55·5	32·8	
9·5	29 5·0	44·9	
7·8	7·0	7·1	8·0 G–
9·3	16·0	51·1	9·0
9·0	25·5	22·7	
7·6	27·0	59·2	7·5 GW–
8·5	39·0	10·2	9·0 G
7·7	44·5	10·6	8·5 G
10·0	53·0	7·2	
10·0	54·0	42·6	
10·0	30 13·0	18·9	
9·9	14·5	16·5	
8·2	27·5	27·8	7·5 G
10·0	29·5	1·0	
9·6	59·0	56·3	
9·5	31 9·4	56·1	
9·7	11·0	53·9	
10·0	14·5	19·7	
9·5	15·0	3·1	
9·5	19·4	31·4	
10·2	49·4	42·9	
10·2	32 10·8	0·0	
9·0	10·8	39·5	9·0
10·2	11·3	55·4	
8·8	13·8	11·8	
10·2	16·3	1·7	
9·8	21·8	23·1	
10·0	49·8	19·2	
9·1	33 2·3	52·9	9·0
8·8	26·8	45·1	
8·0	36·8	20·7	8·0 G
10·0	41·8	23·8	
9·1	48·3	27·4	
9·6	34 0·3	13·5	
10·2	24·8	9·8	
10·0	54·8	42·8	
10·0	58·8	37·0	
9·2	35 1·8	13·8	9·0
9·0	13·8	48·4	8·0 G–
10·0	15·3	36·7	
9·8	30·8	26·1	
9·8	54·8	46·5	
9·6	59·8	31·5	
9·2	36 18·8	40·6	9·0
9·1	24·3	46·8	9·0 –
10·0	32·9	2·7	
10·0	33·3	32·0	
9·8	37 0·8	24·7	
10·2	7·8	17·8	
10·2	23·8	12·6	
10·0	30·8	45·6	
10·0	44·8	30·7	
9·2	48·3	6·3	
9·6	38 2·8	35·6	
9·8	24·3	42·2	
10·2	32·3	51·0	
10·0	34·8	45·2	
9·8	37·3	35·6	
	+1 32·1	−6·6	

6541—6600.

mag.	14h. m s	—36° ′	
7·4	38 39·8	41·6	8·0 G
10·2	48·8	49·2	
10·2	39 4·8	56·4	
9·6	9·3	14·2	
9·8	9·8	4·4	
10·2	14·3	56·1	
9·8	21·8	34·9	
9·6	25·8	49·6	
9·1	35·3	14·8	9·0
8·6	47·8	26·2	8·5 G
10·0	49·8	6·4	
10·2	59·8	16·1	
8·8	40 0·8	36·9	9·0
10·0	3·3	26·2	
10·2	5·8	46·9	
9·8	10·3	52·8	
10·2	12·3	12·1	
9·4	14·8	54·9	
9·8	18·3	46·0	
8·8	24·8	23·4	9·0
9·6	25·8	15·5	
7·4	52·3	6·6	7·0 GS=t
9·8	41 0·8	21·6	
10·2	1·8	23·2	
10·2	5·8	13·4	
10·2	6·8	13·1	
10·2	21·8	28·8	
10·2	33·8	26·1	
10·2	39·8	8·3	
9·0	40·3	45·7	9·0
9·0	48·8	36·5	
10·2	53·3	13·3	
10·0	53·8	23·3	
10·2	42 15·8	11·0	
7·8	19·3	52·4	8·0 GW–
9·0	20·8	41·0	8·5
10·2	39·8	10·2	
9·3	51·8	43·0	9·0
9·4	43 4·8	21·0	
9·8	7·8	41·7	
10·2	14·8	8·2	
9·0	16·3	34·5	9·0
10·0	19·8	49·4	
9·4	27·3	35·0	
9·4	44·3	13·8	
10·0	44·3	24·9	
9·2	44·3	46·9	
10·2	52·3	13·8	
9·1	44 9·0	2·1	8·5
10·2	9·8	41·6	
8·6	11·3	6·6	8·0
10·2	14·3	51·0	
10·2	22·3	30·0	
9·2	23·8	54·0	
10·2	24·8	9·7	
10·2	31·3	32·5	
10·2	33·3	44·0	
10·2	33·8	0·4	
10·0	48·8	31·0	
10·2	51·3	37·0	
	+1 32·9	−6·4	

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6601—6660.

mag.	14h. m	s	−36° ′	
10·2	44	51·8	31·1	
10·2		57·3	40·8	
9·8	45	1·3	53·2	
9·8		1·8	46·1	
8·6		6·3	48·4	9·0 G–
10·2		9·8	35·5	
9·8		24·3	5·7	
9·8		28·8	58·9	
9·8		37·8	20·4	
10·2		39·8	7·2	
10·2		39·8	28·9	
10·2		39·8	3·4	
9·4		44·8	17·7	9·5
10·2		49·8	15·4	
10·2	46	4·8	48·3	
10·2		4·8	42·8	
9·6		4·8	13·9	
9·1		12·8	21·2	
10·0		20·3	3·2	
9·8		23·8	1·5	
9·4		31·3	43·4	
9·6		35·8	21·5	9·5
9·6		35·8	38·0	
10·0		39·8	3·8	
9·3		42·8	16·0	
10·0		47·8	4·5	
8·3		49·8	15·1	8·0
8·8	47	9·8	0·3	8·5
9·8		27·3	38·6	
10·2		29·8	28·5	
10·2		30·8	12·1	
9·1		31·8	43·3	–
10·0		33·8	6·5	
9·8		39·3	41·5	
7·9		39·8	39·0	
10·2		39·8	12·9	
9·0		41·3	3·5	9·0
10·2		49·8	29·4	
9·6		51·8	42·9	
9·8		59·8	8·5	
10·2	48	9·8	36·6	
10·0		19·8	25·7	
8·8		24·3	33·3	9·0
10·2		28·8	7·3	
10·0		32·8	21·7	
9·6		41·8	12·0	
10·2		45·8	0·7	
10·2		53·8	3·9	
10·0	49	7·8	44·8	
10·2		18·3	52·1	
10·2		19·8	53·5	
10·2		19·8	11·9	
8·6		30·5	0·3	9·0
9·8		30·8	35·1	
9·4		31·8	52·0	9·0
9·0		36·3	37·3	8·5 G
10·2		37·8	55·0	
9·6	50	8·3	53·7	8·5
10·0		11·8	7·7	
10·0		15·3	3·5	
25pr.	+1	33·3	−6·2	

6661—6720.

mag.	14h. m	s	−36° ′	
10·0	50	24·3	41·3	
7·0		33·3	51·4	7·5 GS
10·0		35·8	58·5	
9·1		40·8	16·1	
10·2		59·0	15·9	
9·2		59·5	48·7	
10·0	51	4·5	41·7	
10·2		30·5	7·7	
10·2		39·5	44·3	
10·0		41·5	9·9	
9·6		49·5	47·7	
8·1		52·5	23·3	
10·0		53·0	6·3	
10·2	52	2·0	8·1	
10·2		9·5	4·1	
9·4		18·0	33·9	
9·8		37·5	16·3	
9·8		39·0	40·5	
10·2		40·5	48·4	
10·0		46·5	17·8	
8·8	53	3·0	10·1	
9·8		10·5	35·3	
8·6		13·0	2·2	9·5
10·0		15·5	7·1	
10·2		17·5	14·1	
8·8		18·5	20·8	9·0 G
10·2		20·0	5·5	
10·0		38·5	44·7	
9·6		42·0	36·5	
10·2		50·5	16·1	
7·9		57·5	25·7	9·0 G
10·2	54	5·5	15·5	
9·8		9·5	39·9	
10·2		11·5	7·9	
10·0		18·5	9·9	
10·0		23·4	52·7	
10·0		29·4	52·4	
10·0		35·9	13·4	
9·8		59·4	48·8	
9·6	55	3·9	5·6	
10·2		9·6	58·1	
10·0		25·4	47·4	
8·0		26·2	25·1	8·0 G
9·4		26·7	34·8	
10·2		31·4	51·9	
9·0		49·4	8·9	9·0
10·2	56	11·9	23·8	
10·2		18·4	19·5	
9·4		31·2	10·6	
10·2		31·9	8·5	
9·4		37·7	21·2	
10·2		42·9	43·5	
10·2		55·9	15·5	
9·0	57	3·7	25·6	9·0
8·2		15·4	53·9	8·5 G
10·2		15·4	3·2	
9·4		15·9	44·9	
9·8		24·5	53·8	
9·4		49·0	13·6	
8·6		49·5	25·5	9·5
	+1	33·8	−6·1	

6721—6780.

mag.	14h.–15h. m	s	−36° ′	
8·0	58	19·5	48·0	9·0
9·6	59	27·0	53·0	
9·8		54·5	8·8	
8·6	0	13·5	4·2	8·8 G
9·4		16·0	37·1	
8·4	1	14·5	38·5	9·0
9·6		47·5	16·1	
9·8		51·5	41·9	
9·8		54·0	56·4	
9·8	2	3·0	36·8	
9·8		13·4	57·9	
9·8		15·0	22·6	
8·2		17·5	4·7	8·5
7·9		19·0	59·8	8·5 W
9·6		24·5	15·9	
9·8		32·0	30·4	
9·8		32·5	24·5	
9·8		51·5	23·3	
9·8		52·9	2·7	
9·1	3	48·5	47·8	8·5
9·4	4	11·5	37·0	
8·4		18·5	9·0	
8·4		19·0	51·7	8·8
9·2		20·5	22·5	
9·8		23·5	28·8	
9·2		39·5	8·3	
9·2		59·5	28·6	
7·1	5	4·5	46·4	7·7
9·6		19·5	53·0	9·0 G
9·2		48·0	26·2	
9·8		59·0	51·5	
9·0		59·5	24·3	9·0
9·8	6	1·5	39·3	
9·2		19·0	43·5	
8·3		29·5	23·6	8·5
9·1		33·0	25·5	9·0
8·4	7	1·5	39·7	9·0 G
7·8		51·5	40·9	8·0 GSt
8·4		51·5	41·2	8·5 G
9·8		55·5	54·2	
7·9		56·0	31·9	8·5 G
9·8	8	10·5	19·3	
9·8	9	11·5	13·6	
9·2		24·5	16·4	
9·4		26·5	6·8	9·0
9·2		39·5	6·2	
8·3		42·5	27·5	8·5
9·1		54·5	30·9	9·0
9·2	10	9·5	52·2	
9·8		31·5	44·8	
9·0	11	13·0	19·1	
9·8		19·5	53·4	
8·0		24·5	14·3	8·0
9·8		25·0	44·3	
7·2		34·0	38·1	6·5 GS–t
9·5	12	5·0	32·6	
9·1		6·0	52·6	
9·5		24·0	16·2	
9·8		31·5	52·4	
9·8	13	35·5	32·8	
	+1	34·7	−5·8	

6781—6840.

mag.	15h. m	s	−36° ′	
8·2	14	31·0	34·7	8·0
9·8		38·5	54·8	
9·8		39·0	43·5	
8·8		39·5	1·6	
8·4		39·5	6·2	8·0
8·7		59·1	31·8	8·5
4·8	15	10·1	24·4	5·0 GStπ
9·8		10·6	7·3	
9·6		19·6	21·3	
9·6	16	2·6	26·5	
9·8		13·1	51·2	
9·4		14·1	4·6	
9·8		46·6	57·8	
8·8		56·6	14·2	8·5
9·8	17	9·1	26·0	
9·5		14·1	25·5	
9·6		18·6	51·0	
9·4		24·1	26·3	
8·6		34·1	41·5	
8·3	18	4·6	2·0	8·0 GS
9·6		6·1	17·9	
7·6		18·1	9·3	GS–t
9·8		20·1	40·2	
9·5		32·1	46·4	
9·8	19	3·1	17·2	
9·6		10·6	5·2	
6·0		18·6	19·6	6·0 GStπ
9·8		21·1	39·9	
9·8		30·6	17·3	
8·2	20	10·6	55·2	7·5 G
9·8		42·6	3·9	9·5
9·8		44·1	40·5	
9·8	21	0·1	5·2	9·0
9·4		13·1	34·5	
9·4		18·1	10·9	
9·8		20·1	12·2	
9·6		21·6	42·9	
9·8		44·4	53·9	
9·8		55·1	39·0	
9·8	22	0·6	11·5	
8·5		21·4	57·4	9·0
8·6		34·3	56·0	9·5
9·7		43·8	24·2	
9·0		53·0	57·1	9·0
9·4	23	23·8	41·6	
9·6		24·3	44·6	
9·0		51·3	29·2	
9·6	25	49·8	38·9	
9·3	26	1·3	43·7	
9·4		10·3	42·7	
9·6		15·3	47·1	9·5
9·4		18·8	55·1	9·0
9·2		19·8	52·1	
9·4		20·8	34·4	
9·2		22·8	59·1	8·5
9·6		27·8	48·9	
9·4		52·8	33·9	
8·6	27	25·3	44·3	9·0
9·4	28	9·3	12·0	
7·9		22·8	57·2	8·0
	+1	35·7	−5·4	

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6841—6900.

mag.	15h. m s	—36° ′	
9·6	28 41·3	51·6	
8·4	56·8	49·5	8·7
8·0	29 23·8	37·5	8·0
9·0	32·3	10·8	9·0
9·4	31 37·3	10·5	
8·0	49·6	1·6	8·0 W
9·2	54·1	7·7	
9·0	32 16·1	56·1	9·0
9·6	33 11·6	29·1	
9·2	30·1	43·4	
9·0	33·4	0·8	9·0
9·4	39·6	32·8	
9·2	42·1	42·8	
9·4	34 18·6	37·3	8·5
9·4	24·6	32·1	
9·0	52·6	38·0	
9·7	35 4·1	43·0	
9·0	26·6	46·1	8·0
9·4	40·1	54·9	8·5 G
9·7	36 7·1	16·1	
7·8	32·6	56·2	8·0 GS
9·2	37 31·6	16·7	9·0
9·7	38 15·6	50·0	
9·2	18·6	38·1	9·5
7·4	44·6	32·5	8·0 GS
9·0	53·6	11·4	
9·6	39 4·1	36·7	
9·2	10·6	43·2	9·0 G
9·3	13·1	12·4	
9·2	27·6	51·4	9·0
9·0	30·1	42·7	9·5
9·4	51·3	58·6	
8·6	40 26·6	56·1	8·8
9·2	30·6	9·6	
9·3	34·6	29·9	
9·4	37·6	42·1	
9·7	48·4	34·5	
8·8	50·1	16·0	
9·2	41 28·1	13·9	8·0
9·4	57·1	10·0	9·5
9·7	42 3·4	32·7	
8·8	10·6	36·0	9·5
9·2	40·1	35·3	9·5
8·6	43 1·6	48·9	9·0
8·8	5·6	46·0	9·0
9·4	27·1	49·2	
8·4	51·6	19·2	8·5
8·4	44 20·6	20·3	9·0
9·4	28·1	10·2	
9·0	45 11·6	29·8	
9·6	27·6	45·1	
9·2	43·6	35·1	9·0
9·4	46 21·5	47·4	
9·0	54·1	24·4	9·0
8·8	47 39·6	15·6	9·2
9·0	49·1	3·8	9·5
8·5	56·5	31·4	9·0
8·4	48 8·8	12·7	8·5
9·2	30·3	11·5	
8·8	49 11·0	49·2	9·0
25pr.	+ 1 37·0	−4·8	

6901—6960.

mag.	15h.–16h. m s	—36° ′	
9·7	49 19·0	20·3	
9·7	38·0	29·7	
9·6	58·5	9·8	9·5
9·0	50 19·0	3·9	9·0
9·1	51 9·5	50·1	
9·6	29·0	8·3	9·5
9·0	50·0	53·5	9·0
9·3	54·5	25·0	
9·3	59·0	54·9	8·5
8·6	52 4·0	8·6	8·5 G
9·2	19·1	6·8	9·5
9·7	36·9	2·4	9·5
9·2	53 11·1	37·1	9·5
9·4	35·1	6·7	
6·9	54·1	23·4	7·0 GS−
9·2	54 14·6	31·0	
9·6	18·9	56·8	
9·6	19·1	21·4	
9·6	29·1	29·1	
9·7	29·9	44·3	9·5
9·7	46·1	10·0	
8·2	55 10·1	47·0	8·0 GS−t
8·8	10·6	30·9	8·0
9·4	20·6	3·8	
9·7	32·1	39·8	
7·7	59·1	57·7	8·0 G
8·6	56 4·1	50·1	8·8
9·2	17·6	39·4	9·0 G
9·1	30·1	34·9	9·5
9·7	47·6	12·1	
8·6	57 6·6	17·0	8·5
8·6	40·1	47·0	8·5 S
9·2	52·1	10·9	
4·6	58 23·6	27·5	5·0 GStπ
9·2	29·1	8·4	
8·5	48·4	3·2	8·2
9·7	51·1	31·5	
6·8	59 3·1	24·8	6·5 GStπ
7·6	21·6	22·8	7·0 GStπ
9·2	32·6	52·1	
8·4	34·6	40·2	
9·7	37·2	13·5	
9·0	0 44·1	36·1	8·5
9·4	49·1	48·2	9·0
9·1	1 4·1	50·0	9·2
9·0	11·1	43·8	8·5
8·2	17·1	50·6	8·2
8·8	52·6	18·7	
9·7	59·2	48·3	
9·6	2 14·6	23·6	
8·6	22·1	30·7	
9·3	23·1	50·4	9·0 G
9·6	35·6	37·5	
9·2	47·6	11·4	
9·7	3 19·1	3·1	9·0
9·7	21·2	31·5	
9·4	4 33·6	46·1	
9·2	49·1	23·0	9·5
9·6	5 24·1	8·3	
9·6	8 10·1	8·6	
	+ 1 38·1	−4·3	

6961—7020.

mag.	16h. m s	—36° ′	
9·0	8 13·1	26·0	8·5
9·2	24·1	15·2	9·0
8·8	32·1	0·4	9·0
9·4	59·6	15·2	
7·6	10 6·6	15·4	8·0 GS−
9·3	11·1	41·0	
9·2	30·6	5·1	
9·4	45·1	33·4	
9·4	11 6·6	54·2	
8·8	20·6	5·8	9·2
8·8	54·3	15·7	
10·0	13 39·9	11·7	9·5
9·8	14 32·1	49·6	
10·0	15 24·1	12·2	9·0
8·0	32·1	9·4	8·5 GS−
10·0	16 21·6	7·0	
9·4	17 16·8	58·2	
9·2	36·1	26·6	
9·6	19 7·1	29·2	9·5
9·4	38·6	32·6	
9·6	49·1	15·5	
9·6	49·6	25·1	
7·0	55·1	53·7	6·5 GSct
10·0	20 34·9	20·3	9·0
9·4	38·4	53·4	9·0
9·5	21 34·9	17·5	9·5
9·2	22 50·4	51·9	
9·2	23 43·9	31·1	
7·6	25 6·2	58·7	8·0 G
9·2	18·9	46·8	8·5 G
9·8	33·9	34·1	
9·6	39·4	9·0	
9·2	43·2	1·9	
9·6	26 53·4	31·9	
8·8	27 14·4	50·9	9·0
9·6	29·9	33·3	
8·0	28 32·9	53·0	8·0 G
10·0	38·9	15·3	
9·6	44·9	6·2	
8·6	50·9	36·1	8·5
9·2	29 2·9	53·2	8·8
9·8	14·4	55·1	
9·4	29·4	34·3	
10·0	46·6	26·6	
9·2	30 9·4	28·4	
9·5	9·4	8·5	
10·0	19·4	18·3	
8·4	23·9	36·0	8·2 G−
9·4	32·4	59·0	
6·4	43·2	57·9	6·1 GSt
9·0	52·4	45·3	8·5
10·0	53·4	27·4	
10·0	31 2·9	47·8	
9·8	29·9	2·9	
9·4	33·9	7·8	
9·8	45·4	56·9	
8·2	48·9	13·9	8·0 G−
9·8	32 19·4	26·3	
7·2	24·9	54·3	7·0 GS
9·8	40·9	12·5	
	+ 1 39·4	−3·4	

7021—7080.

mag.	16h. m s	—36° ′	
8·8	32 49·4	24·8	8·8
9·4	33 48·4	18·7	8·8
9·5	59·8	24·6	
7·3	34 7·8	50·0	7·0 GSt
10·0	10·7	40·1	
9·4	18·3	23·6	
10·0	40·8	48·2	
10·0	40·8	21·6	
8·3	44·8	23·2	8·0 −
8·8	35 21·3	48·8	9·0
8·8	22·8	38·5	9·0
9·8	36·8	3·0	
10·0	38·7	24·0	9·0
9·6	39·3	1·0	
9·5	36 58·3	8·0	9·2
9·6	37 9·6	10·4	
9·5	33·8	11·8	9·5
10·0	38 18·4	58·0	
9·2	20·6	37·8	9·5
10·0	29·1	32·9	
10·0	39 26·6	49·8	
9·3	45·4	34·5	10·0
7·6	49·9	39·3	7·5 GS−t
8·3	50·4	39·7	9·0 S−
9·8	58·9	46·2	
10·0	40 18·4	20·2	
9·2	31·9	30·0	9·5
8·8	43·4	17·4	9·0
9·1	41 13·9	7·1	10·0
8·5	23·4	11·0	8·2 G−
9·6	52·4	53·3	
9·8	42 13·4	29·9	
8·6	35·4	32·0	8·5 −
10·0	42·9	53·3	
9·2	44·4	33·1	9·5
9·8	43 0·9	52·6	
10·0	8·4	33·6	
9·8	41·5	59·6	9·0
9·4	43·4	15·0	
9·2	44 9·4	30·9	9·0
10·0	17·4	34·4	
8·3	26·4	47·8	7·5 GW−
10·0	29·4	5·1	
9·6	49·4	25·3	
10·0	59·9	47·2	
8·9	45 3·4	26·8	9·0
9·4	5·4	50·8	
9·6	39·4	48·2	9·0
9·4	49·4	55·3	10·0
9·4	46 8·9	36·9	
8·8	19·4	1·1	8·2 −
8·9	21·4	40·8	9·0
9·4	24·9	3·8	
10·0	30·0	57·0	
9·8	40·4	7·8	9·0
10·0	47 29·4	40·6	
9·6	30·4	53·7	9·0
8·0	44·9	59·0	7·8 GW
9·2	56·6	57·3	9·5 G
10·0	48 21·0	23·9	
	+ 1 40·1	−2·8	

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7081—7140.

mag.	16h. m s	—36° ′	
8·5	48 25·9	51·2	8·5
10·0	27·4	4·8	
9·8	35·4	32·0	
9·4	39·4	23·2	
9·2	58·9	2·7	
9·8	49 9·4	38·2	9·5
9·8	12·9	9·6	
9·8	44·9	33·9	
9·2	45·4	27·1	
9·2	50 18·4	19·4	
9·6	41·4	45·0	
9·4	51 33·9	27·1	
10·0	39·4	44·6	
10·0	54·4	10·4	
9·8	52 7·4	13·6	
9·4	22·4	52·0	9·5
10·0	39·9	27·6	
10·0	44·4	2·0	
9·2	49·9	31·0	
8·8	59·9	39·6	
10·0	59·9	57·0	
10·0	53 10·4	38·5	
9·2	12·4	28·7	
9·6	54·9	47·7	
9·6	54 0·4	38·3	
9·4	7·4	50·6	
9·8	18·9	59·8	
9·4	18·9	59·9	
7·5	29·9	40·6	8·0 –
9·8	32·9	31·4	
10·0	45·4	48·4	
10·0	59·4	24·4	
9·8	55 1·9	58·9	9·2
9·8	11·9	27·7	
8·4	12·4	58·8	8·5 GW
9·8	19·1	59·2	
10·0	21·9	30·3	
8·8	42·9	26·3	9·5
8·6	49·9	27·7	8·5
9·4	56 0·4	27·5	
9·4	1·4	20·2	9·0
10·0	22·9	5·6	
10·0	27·4	50·0	
10·0	27·4	3·4	
10·0	31·7	11·8	
9·6	31·9	41·9	
10·0	40·9	27·6	
9·8	57·2	57·6	
9·8	59·4	55·6	
10·0	57 10·9	5·3	
7·8	19·4	33·8	8·0 GS–t
8·6	21·9	22·2	8·5
10·0	27·4	41·8	
8·0	29·4	24·7	8·0 GS–t
10·0	39·7	40·1	
10·0	39·9	54·5	
9·4	42·4	31·5	
9·6	52·4	57·0	
7·8	57·4	55·5	8·0 GW
9·8	58 1·4	51·6	9·0
25pr.	+1 40·6	–2·3	

7141—7200.

mag.	16h–17h. m s	—36° ′	
9·8	58 7·9	31·3	
9·6	11·4	48·3	
9·8	14·9	41·6	
10·0	19·4	28·5	
9·8	24·2	58·1	
10·0	28·9	27·0	
9·1	31·9	32·8	
9·2	37·4	23·2	
10·0	59 2·9	52·6	
10·0	6·9	25·4	
10·0	8·4	39·7	
10·0	9·4	38·7	
10·0	9·4	52·0	
9·4	10·4	53·5	9·0
9·6	11·4	33·4	
9·8	18·4	50·4	
10·0	19·9	25·6	
9·4	21·4	55·1	
9·4	21·9	36·1	
9·6	28·9	7·0	
10·0	29·7	15·0	
9·8	47·4	31·9	
8·8	0 1·9	9·8	9·0
10·0	4·9	36·3	
10·0	8·4	26·8	
7·8	9·4	28·3	8·0 GS–
10·0	10·4	12·1	
10·0	13·2	59·2	
9·4	23·4	57·2	
9·4	24·9	41·9	
9·8	52·4	31·8	
9·4	1 8·4	25·7	
9·8	9·9	25·0	
10·0	14·9	19·0	
10·0	22·9	48·3	
9·8	31·4	30·1	
9·4	37·4	6·5	9·2
9·8	37·9	2·9	
10·0	53·9	49·1	
9·8	59·4	6·5	
10·0	2 4·4	54·7	
10·0	19·9	21·5	
8·3	24·6	14·9	8·5 –
9·6	33·4	11·1	
10·0	35·9	6·3	9·5 G
10·0	36·9	0·0	
10·0	37·9	32·5	
9·6	45·1	16·9	
9·6	45·9	6·0	
10·0	3 0·9	54·8	
10·0	8·4	52·0	
10·0	9·7	54·1	
9·8	16·1	24·4	
9·2	19·4	40·6	K
10·0	20·9	33·8	
10·2	34·9	11·2	
9·0	35·4	15·8	
9·4	46·9	58·0	
8·8	4 0·2	59·4	10·0
9·6	34·4	10·6	
	+1 40·7	–2·1	

7201—7260.

mag.	17h. m s	—36° ′	
9·4	4 42·9	41·5	K
9·8	56·4	38·6	
9·4	58·4	44·1	
10·0	59·4	40·1	
9·6	59·4	30·3	
9·8	5 21·3	1·0	
9·8	23·9	42·6	
10·2	31·4	17·7	
10·2	59·4	16·1	
10·2	6 19·9	45·4	
9·1	31·4	18·1	9·0
9·6	35·6	57·9	
10·2	56·4	55·3	
10·2	7 16·8	0·5	
9·8	18·4	49·8	
9·6	23·9	53·4	
9·4	34·9	29·4	
9·6	36·9	34·4	
9·8	47·9	45·4	
10·2	59·6	37·8	
9·6	8 1·4	54·2	
9·6	40·4	3·8	8·8
9·6	9 5·4	36·1	K
10·2	41·9	54·7	
9·8	47·9	42·4	
9·6	54·4	42·5	
9·8	10 23·2	57·3	
10·2	49·4	35·2	
10·2	57·4	38·2	
9·4	57·9	58·1	
9·2	11 41·4	28·5	
10·2	59·9	39·5	
9·8	12 12·4	51·5	
9·2	14·4	33·0	
8·6	29·4	29·7	9·5
9·5	32·9	53·7	9·5
10·2	34·9	57·7	
10·2	59·1	59·0	
9·6	59·4	21·0	
10·2	13 35·9	20·9	
10·0	39·4	29·8	
9·8	43·4	29·0	
9·4	49·4	35·5	
10·2	52·4	47·0	
8·9	53·6	57·5	8·5
10·2	14 4·4	50·4	
9·8	4·9	50·9	
8·3	5·9	23·1	9·0 –
9·6	6·9	46·1	
9·6	7·4	38·8	
10·2	10·4	54·5	
10·2	15·9	39·6	
9·8	24·4	56·4	
9·8	25·9	13·4	
9·5	32·4	25·2	
10·2	39·4	12·9	
10·2	39·4	52·1	
10·0	41·4	42·8	
8·0	15 1·4	57·2	8·2 G
10·2	3·9	26·0	
	+1 41·0	–1·8	

7261—7320.

mag.	17h. m s	—36° ′	
9·8	15 14·9	56·1	
10·2	19·4	19·5	
9·8	19·4	21·7	
9·8	19·4	40·5	
9·0	19·4	46·2	
10·2	33·4	14·0	
9·8	43·9	52·7	
9·2	47·9	20·8	
10·2	48·9	44·5	
9·4	16 2·9	37·6	
8·8	17·9	20·2	8·0 –
8·8	20·4	35·7	
9·4	28·9	45·5	
10·2	17 3·9	39·2	
8·8	4·4	46·1	8·5
9·6	15·9	54·2	
9·8	43·9	35·4	
10·2	46·9	11·7	
10·2	50·9	6·3	
8·6	18 0·4	59·9	7·5 GS
9·6	4·9	42·5	
10·2	9·4	5·0	9·5
9·8	12·4	18·2	
9·5	12·9	54·2	
10·0	17·9	59·4	
9·8	21·4	53·6	
9·8	25·4	32·4	
9·8	26·4	33·0	
10·0	32·4	44·0	
9·6	34·9	26·1	
10·2	40·4	46·3	
9·6	54·4	35·1	
9·0	54·4	34·7	
10·2	59·9	23·2	
8·8	59·9	18·9	
8·8	19 0·9	13·6	
9·5	4·4	45·9	
10·2	9·9	34·1	
10·2	14·9	48·5	
10·2	19·4	58·4	
10·2	20·5	35·7	
8·5	21·4	24·8	8·0 G–
10·2	21·9	23·6	
10·2	24·4	44·0	
10·0	25·4	26·8	
7·4	35·4	46·3	8·0 G
10·2	37·6	58·8	
9·4	38·4	14·2	K
9·8	45·4	45·1	
9·6	50·4	32·5	
9·8	53·4	47·8	
10·2	55·9	45·0	
10·2	20 4·9	17·5	
10·0	12·9	9·0	
7·3	29·2	40·2	6·5 GSct
9·8	33·7	9·1	
9·8	39·7	42·6	
10·2	41·2	55·8	
9·8	41·7	26·9	
10·2	42·7	23·1	
	+1 41·2	–1·5	

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7321—7380.

mag.	17^h m s	−36° ′	
9·6	20 43·7	51·0	
9·6	54·7	29·0	
9·2	55·2	47·8	9·5
10·2	56·7	16·2	
9·6	59·7	18·4	
9·8	21 9·7	25·5	
9·8	10·7	50·3	
10·2	28·7	37·1	
9·8	33·2	29·1	
8·2	35·0	57·1	8·5
10·2	37·7	23·3	
10·2	50·2	5·7	
10·0	53·9	2·8	
10·2	55·5	1·6	
10·0	56·2	41·6	
9·8	58·2	25·0	
10·0	59·2	35·8	
10·0	22 4·2	19·3	
9·6	7·7	36·3	
9·5	9·2	21·2	
10·0	39·2	39·7	
9·6	39·7	6·2	
9·6	43·7	31·8	
9·8	44·2	49·0	
10·2	50·6	39·2	
9·8	53·7	49·6	
9·6	57·7	40·6	
8·4	58·7	38·8	8·5
9·6	23 7·7	51·6	
9·5	9·2	9·5	
9·2	14·2	50·5	
9·5	17·7	37·9	
9·4	20·2	3·8	
9·6	21·2	56·1	
10·2	21·7	31·5	
10·2	23·7	32·9	
10·0	28·7	52·3	
9·8	29·7	54·9	
9·5	30·9	58·6	
9·6	38·2	34·4	
9·6	38·2	13·0	
8·6	42·7	3·8	8·8
8·8	55·2	4·2	9·2
8·8	58·2	35·3	
8·2	58·2	36·1	8·5
9·6	24 1·2	34·4	
9·8	19·7	29·4	
9·6	26·2	50·1	
10·2	27·7	19·5	
10·2	30·7	34·6	
9·8	40·4	0·4	
10·0	46·2	23·1	
9·2	47·7	47·0	
10·0	50·7	1·9	
10·2	51·7	59·2	
9·8	57·7	31·4	
8·8	25 3·0	59·3	8·8
10·0	4·7	45·1	
10·2	8·7	42·9	
10·2	9·2	4·1	
25pr.	+1 41·2	−1·3	

7381—7440.

mag.	17^h m s	−36° ′	
10·2	25 11·2	42·8	
10·2	17·7	46·7	
10·0	17·7	4·2	
10·2	20·2	52·6	
10·2	24·7	42·6	
9·0	24·7	32·1	
10·2	25·7	50·2	
9·4	32·7	7·5	
9·6	33·7	10·1	
10·2	34·2	54·2	
10·2	35·2	18·1	
9·6	45·7	44·3	
9·6	49·7	53·0	
8·5	53·2	37·7	
9·2	26 8·2	18·7	
9·5	14·2	25·0	
10·2	17·7	0·0	
8·8	18·7	12·9	
10·2	32·5	59·0	
9·4	43·2	54·5	
10·2	45·2	44·2	
9·8	49·0	59·6	
8·0	53·7	49·2	9·0
10·2	57·2	29·8	
10·2	57·2	10·6	
10·2	58·7	52·6	
10·0	58·7	42·1	
8·7	27 0·2	24·9	—
9·5	3·7	33·8	
9·2	4·2	47·7	9·5
10·2	4·2	6·0	
10·2	6·7	30·2	
9·2	6·7	42·0	
9·6	10·7	13·3	
9·4	13·7	4·9	
9·4	19·7	38·9	
9·4	30·2	43·8	
10·2	32·7	27·1	
7·7	37·7	41·6	8·5
9·4	39·2	40·9	
9·4	40·7	30·4	
9·4	44·2	8·1	9·0
10·2	51·7	42·7	
9·8	55·2	46·6	
9·8	28 9·2	4·6	
9·6	9·2	19·2	
10·2	18·7	2·4	
8·7	21·1	26·9	8·0 G
10·2	21·5	20·6	
10·2	21·7	56·0	
9·4	32·2	37·0	9·0
9·1	35·6	51·7	
10·2	44·2	31·0	
9·4	45·1	5·0	9·0 G
10·2	45·1	14·3	
9·8	47·7	16·8	
9·6	49·0	18·9	
9·6	55·9	24·7	
9·4	57·0	30·6	
9·6	59·1	4·3	
	+1 41·3	−1·2	

7441—7500.

mag.	17^h m s	−36° ′	
9·5	29 4·0	34·5	
9·6	9·6	23·1	
9·6	11·5	30·9	
9·0	14·5	2·9	
9·2	17·5	6·8	
9·6	20·7	13·1	
9·6	21·5	9·4	
9·6	30·5	13·3	
8·6	35·0	29·2	9·0
9·4	37·0	48·9	
9·6	40·0	31·3	
9·0	43·0	9·3	
8·7	44·0	30·6	8·5
9·6	51·0	50·0	
9·4	58·0	50·9	
8·9	30 16·5	58·7	9·5
9·6	19·5	54·6	
9·2	24·0	53·8	
9·4	25·0	42·4	
9·1	29·5	55·9	
8·4	33·0	20·0	9·0
9·6	41·0	18·2	
9·5	57·6	56·8	
9·2	31 4·5	39·4	
9·5	5·5	44·9	
9·6	8·7	58·8	
9·4	11·5	19·0	
9·4	12·0	11·1	9·5
9·6	24·0	15·7	
9·5	24·5	52·3	
9·6	34·0	2·1	
9·2	34·5	44·3	
9·5	35·5	51·9	
9·6	41·5	53·9	
9·4	44·5	52·5	
9·6	45·0	10·4	
9·4	45·0	55·7	
9·4	46·5	51·5	
9·4	46·5	16·5	
9·4	48·0	56·1	
9·5	50·0	9·5	
9·4	55·0	54·8	
9·2	57·0	49·6	
9·0	32 6·9	1·9	
9·2	12·0	46·3	
9·4	12·0	35·4	
9·6	18·5	26·5	
9·6	20·5	0·0	
9·6	31·0	57·3	
9·4	36·5	44·5	
9·6	38·5	9·5	
9·5	38·5	2·9	
9·2	44·0	46·7	
9·5	33 1·0	33·3	
9·6	3·0	49·7	
8·4	11·0	49·5	9·0
9·4	11·0	26·0	
9·4	26·0	46·3	
9·1	27·0	14·8	
9·6	32·0	58·2	
	+1 41·3	−1·1	

7501—7560.

mag.	17^h m s	−36° ′	
9·6	33 37·5	24·9	
9·0	39·0	6·1	8·8
9·2	45·5	25·5	
9·0	50·5	52·3	9·2
9·4	50·5	8·7	9·0
9·1	59·5	21·5	
9·6	34 1·0	27·9	
9·2	2·0	40·1	
9·5	3·0	15·9	
9·5	6·0	14·1	
9·2	9·5	3·9	9·0
9·6	10·5	50·1	
9·2	20·0	14·1	
7·7	22·0	52·7	6·0 GStπ
9·0	23·5	37·3	
9·4	24·5	3·9	
9·0	35·9	2·9	8·5
8·9	38·5	12·0	
9·4	42·0	32·7	
9·4	45·5	52·8	
9·0	46·5	15·8	
9·1	35 4·0	46·5	
9·6	8·2	2·9	
8·9	9·5	7·9	
9·2	11·5	37·8	
9·4	14·0	18·9	
9·6	18·5	3·8	
8·8	19·5	15·2	
9·0	32·0	55·3	
9·1	34·0	48·6	
8·4	36·0	42·5	8·5 G
9·2	36·5	17·5	
9·2	39·5	0·2	
9·4	43·0	6·0	
9·4	48·5	26·7	
9·6	50·0	16·4	
9·5	50·5	22·4	
9·2	53·5	47·8	
9·6	59·5	6·8	
9·4	36 4·5	46·2	
9·6	6·5	6·1	
9·2	7·5	22·3	
9·2	13·5	53·8	
9·6	14·0	59·5	
9·1	14·5	44·1	
9·6	17·5	6·2	
9·4	19·5	52·2	
9·2	23·0	39·6	
9·6	28·5	23·8	
9·6	28·5	11·9	
9·2	30·0	4·2	
9·2	33·5	19·4	
9·6	39·5	26·9	
9·6	44·0	41·0	
9·1	49·0	31·6	
9·4	49·5	43·7	
9·6	53·5	0·1	
9·6	57·5	55·8	
9·6	37 0·5	30·7	
9·0	9·5	13·9	
	+1 41·4	−0·9	

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7561—7620.

mag.	17h m	s	—36° ′	
8·8	37	11·0	38·8	9·5
8·9		24·0	12·8	
9·2		25·0	5·0	
9·6		29·5	23·8	
9·6		34·5	11·7	
8·2		38·0	36·1	8·5
9·4		38·5	11·5	
9·2		39·0	45·2	
9·2		39·5	6·5	
9·6		47·0	8·0	
9·2		49·0	33·7	
9·4		51·3	20·8	
9·6	38	0·3	53·1	
9·2		3·3	49·5	
8·9		4·8	52·9	
9·4		9·8	26·7	
9·6		9·8	46·1	
9·6		11·8	47·6	
9·5		14·3	21·6	
9·0		14·8	18·0	
9·6		15·8	25·0	
9·2		23·3	7·0	
7·9		24·8	29·6	8·5
9·2		25·8	22·9	
9·2		26·3	5·4	
9·4		42·3	54·6	
9·1		42·3	21·0	
8·4		43·3	56·0	8·0 G
9·4		44·3	55·0	
9·6		45·8	4·4	
9·4		50·3	46·6	
9·2		51·3	19·4	
9·6	39	4·8	59·0	
9·4		6·3	34·1	
9·5		7·3	34·3	
9·2		14·3	11·9	
8·7		15·3	1·7	9·0
9·6		25·3	33·5	
9·6		28·8	14·6	
9·2		31·8	42·8	
9·6		32·3	18·9	
9·6		34·8	43·1	
9·4		38·8	34·1	
9·6		39·8	27·9	
9·6		43·3	6·1	
8·3		46·3	40·9	8·5
9·6		50·3	27·1	
9·4		50·8	45·2	
9·4		50·8	24·6	
9·5		52·8	13·1	
9·6		59·3	19·6	
9·6	40	2·8	15·3	
9·2		2·8	14·5	
9·2		3·3	7·7	
8·3		4·8	54·9	8·0 G
9·6		10·3	24·4	
9·6		13·8	29·4	
9·2		15·2	3·0	
9·6		15·3	24·8	
9·6		23·8	1·9	
25pr.	+1	41·5	—0·8	

7621—7680.

mag.	17h m	s	—36° ′	
8·8	40	27·8	18·6	
9·0		29·3	41·2	
9·4		33·8	54·7	
8·1		40·3	28·6	8·5 G
9·4		40·3	15·4	
9·6		40·8	32·3	
9·5		46·8	19·0	
9·6		47·8	34·9	
9·6		52·8	27·2	
9·4		54·8	8·0	
9·4		54·8	7·2	
9·4		55·8	43·7	
9·5		57·3	32·3	
9·1		57·8	31·2	9·0 G
9·2	41	3·3	35·8	
8·8		4·8	34·0	9·0
9·5		4·8	24·0	
9·4		4·8	39·8	
9·4		10·8	16·5	
9·2		10·8	28·6	
9·2		12·8	32·0	
8·8		13·8	2·1	8·8
9·2		14·8	17·2	
8·8		23·3	20·3	
9·6		23·8	17·0	
9·6		25·0	28·6	
9·2		28·8	18·6	
9·4		30·8	10·5	
9·1		30·8	10·8	
9·6		33·8	18·0	
9·6		33·8	45·3	
9·4		41·8	33·7	
9·6		42·8	35·8	
8·8		43·8	30·7	9·0 G
8·9		45·8	41·7	
9·6		45·8	9·0	
9·6		48·8	19·2	
9·2		49·8	44·3	
9·6		53·8	56·7	
9·4		54·3	49·2	
9·4		55·8	48·3	
9·5		56·3	28·3	
9·6		57·3	21·7	
8·9		59·8	36·1	
9·6	42	0·0	49·7	
9·5		0·8	44·0	
9·4		7·8	16·1	
9·6		8·3	6·0	
9·4		11·3	29·9	
9·6		12·8	10·2	
8·8		15·8	6·3	
9·2		15·8	3·9	
8·9		20·3	53·9	
9·6		27·3	57·2	
8·9		29·8	40·1	
9·2		29·8	3·6	
9·5		29·8	24·1	
9·5		37·8	12·8	
9·0		41·8	33·3	
9·4		42·3	19·9	
	+1	41·5	—0·7	

7681—7740.

mag.	17h m	s	—36° ′	
9·5	42	47·3	33·6	
9·6		49·7	15·0	
9·0		50·8	7·1	
9·5		52·3	20·5	
9·4		54·8	11·8	
9·2		59·8	6·1	
9·4	43	0·8	7·4	
9·4		1·3	39·6	
9·5		1·3	12·2	
9·6		7·8	22·4	
9·6		7·8	14·0	9·0
9·2		9·8	4·0	
9·6		11·8	26·0	
8·6		14·3	5·5	8·8
8·1		14·8	25·7	8·0 —
9·6		17·8	4·4	
9·1		33·3	17·4	
9·2		34·8	4·5	
9·6		36·8	44·1	
9·2		39·8	24·2	
9·6		44·3	38·3	
9·2		48·8	4·4	
9·6		49·3	25·9	
8·4		49·8	20·7	9·0
8·3		50·8	39·6	9·0
9·4		51·8	37·4	
9·0		53·8	48·6	
9·6		59·3	34·3	
9·6		59·8	42·3	
9·6		59·8	16·3	
9·4	44	4·3	55·0	
9·6		4·3	9·4	
9·1		4·8	33·2	10·0
9·2		10·8	45·2	
9·4		14·8	20·5	
9·2		18·3	41·9	
9·6		18·3	19·4	
9·2		19·3	15·2	
9·1		19·8	13·1	
9·6		22·3	25·6	
9·5		27·8	53·2	
9·6		30·8	2·4	
9·2		31·8	37·8	
9·5		33·8	44·1	
9·6		41·8	12·5	
9·5		43·8	7·0	
8·8		43·8	1·5	
9·6		47·3	54·9	
9·6		49·8	29·2	
8·8		58·8	55·9	9·5
9·6		59·8	34·4	
9·6		59·8	39·7	
9·5	45	0·8	15·0	
9·6		0·9	10·9	
8·0		1·8	28·4	8·5 GS—
9·2		7·8	10·0	
9·6		10·3	15·2	
8·6		10·8	46·8	
9·1		13·8	15·2	
9·2		14·8	6·2	
	+1	41·5	—0·6	

7741—7800.

mag.	17h m	s	—36° ′	
9·2	45	18·8	28·6	
9·4		29·8	30·1	
9·6		31·8	50·6	
9·4		34·8	27·4	
9·1		37·8	32·1	
9·6		38·3	22·3	
9·1		44·8	12·1	
9·6		49·8	19·9	
8·1		51·3	20·5	8·5 W—
9·6		53·8	31·7	
9·2		55·8	5·1	
9·4	46	8·8	7·4	
9·2		16·3	24·8	
9·6		19·8	33·8	
9·6		20·8	20·6	
9·6		24·3	44·1	
9·6		31·8	12·3	
9·5		38·8	50·9	
7·4		40·3	26·8	7·0 GSct
9·2		40·3	15·5	
9·2		40·3	10·2	
9·2		40·8	47·2	
9·2		41·1	56·6	
9·6		46·3	1·2	
9·2		49·8	30·9	
9·2		51·8	8·1	
9·2		53·8	49·7	
9·2	47	0·6	58·8	
9·4		3·8	26·1	
9·6		5·8	37·9	
9·4		7·8	34·0	
9·6		10·8	22·9	
8·8		13·8	22·3	9·5
9·6		22·0	2·0	
9·2		23·8	0·1	
9·4		25·3	23·7	
8·9		26·3	33·7	
9·2		34·7	45·2	
9·6		39·3	18·9	
9·4		41·3	31·4	
9·2		42·3	7·4	
9·6		45·0	4·6	
9·4		49·0	25·7	
9·2		49·5	53·5	
9·4		49·5	11·8	
9·2		53·0	53·5	
9·4		53·5	31·7	
9·4		53·5	6·7	
9·5		54·5	30·6	
9·6		55·5	33·8	
9·2	48	1·0	54·6	
9·2		1·5	48·8	
9·2		6·2	59·2	
9·2		6·5	40·9	
9·4		7·0	43·5	
9·4		8·0	57·8	
9·2		10·5	3·0	
9·6		12·0	37·6	
9·6		13·5	59·7	
8·8		19·5	57·7	
	+1	41·5	—0·5	

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7801—7860.

mag.	17h. m	s	—36° ′	
9·2	48	20·5	8·7	
9·4		21·5	7·2	
9·6		22·5	6·0	
9·0		23·0	38·4	8·5
9·4		25·5	34·2	
9·2		29·5	52·2	
9·2		29·5	47·9	
9·4		29·5	18·0	
8·9		31·5	15·0	
9·6		34·5	15·8	
9·4		41·5	27·9	
9·6		42·7	57·8	
9·4		54·5	32·0	
9·2		59·5	5·9	
9·4	49	6·0	35·2	
9·6		6·0	53·6	
9·6		7·0	0·0	
9·6		9·5	33·3	
9·6		12·4	59·5	
9·6		17·5	53·0	
9·4		19·5	23·4	
9·5		19·5	54·2	
9·6		19·5	50·2	
9·4		21·5	3·6	
9·5		29·5	48·0	
9·4		35·5	26·0	
9·6		37·5	3·1	
9·6		52·5	57·7	
8·8	50	4·5	25·9	
9·6		9·5	25·0	
9·4		14·5	26·2	
9·2		14·5	18·8	
8·3		22·5	50·7	8·5 GWc
9·6		25·0	16·2	
9·4		26·0	35·8	
7·5		27·0	50·6	6·0 GSt
9·6		28·5	12·4	
8·9		30·5	58·4	
9·6		31·5	52·0	
8·8		34·0	39·2	
9·6		35·5	48·1	
9·6		43·0	43·0	
7·6		43·5	55·4	7·5 GS
8·4		44·0	1·1	7·7 GS=
9·4		46·0	47·9	
8·7		50·5	4·9	8·8
9·2		51·0	18·3	
9·4		51·0	14·4	
9·4		53·5	39·0	
9·2		54·5	37·9	
9·6		57·5	36·5	
9·2		59·5	56·8	
9·6	51	0·0	20·2	
7·6		2·5	0·4	7·8 GS=t
9·6		9·5	31·0	
9·5		11·5	45·2	
9·6		15·0	38·2	
9·5		18·0	45·9	
9·4		19·5	22·6	
9·4		22·5	22·8	
25pr.	+1	41·5	−0·4	

7861—7920.

mag.	17h. m	s	—36° ′	
9·6	51	23·0	21·0	
9·6		23·5	37·4	
9·6		26·5	3·3	
8·8		27·5	27·8	
9·4		28·5	13·4	
9·6		29·5	50·2	
9·4		30·0	59·6	
9·6		30·5	39·2	
9·2		30·5	13·8	
9·4		31·5	40·2	
9·4		34·5	55·6	
9·4		34·5	14·9	
9·4		35·0	0·8	
9·2		39·5	53·9	
9·4		40·0	49·9	
9·4		41·5	40·7	
9·5		42·5	44·6	
9·2		42·5	24·1	
9·4		43·5	48·9	
9·2		44·0	13·8	
9·2		44·5	43·2	
9·2		44·5	11·9	
9·4		45·0	38·0	
9·4		45·0	49·6	
9·6		53·5	36·0	
9·2		54·5	30·0	
9·6		58·5	50·5	
9·6	52	0·5	50·4	
9·6		2·0	37·2	
9·5		2·6	1·7	
9·0		4·0	52·8	
9·4		8·5	21·8	
9·2		9·5	51·1	
8·4		9·8	57·4	7·5 GW
9·5		10·5	52·2	
9·4		19·5	55·2	
9·6		25·0	22·4	
9·2		29·5	26·5	
9·6		30·0	8·0	
9·6		30·4	19·2	
9·4		30·5	18·8	
9·4		31·0	43·6	
9·5		31·5	10·0	
9·6		32·0	42·7	
9·2		33·5	3·6	
9·4		34·5	0·4	
9·5		34·5	50·5	
9·4		39·5	7·7	
9·2		42·5	7·2	
9·6		43·0	49·0	
9·4		43·5	5·0	
9·2		45·0	10·0	
9·0		47·5	41·9	
9·4		49·5	18·4	
8·4		54·5	22·8	8·5
9·6		58·5	59·6	
9·6		59·4	12·3	
9·4	53	1·5	25·4	
9·6		2·0	11·4	
9·6		10·0	54·2	
	+1	41·5	−0·3	

7921—7980.

mag.	17h. m	s	—36° ′	
8·8	53	10·5	8·3	
9·5		14·5	31·8	
9·2		15·0	0·0	
7·7		21·0	22·2	6·5 GSct
9·6		26·0	56·8	
9·2		29·5	33·1	
8·8		30·8	36·5	
9·5		32·0	37·8	
9·5		32·5	40·9	
9·6		37·0	43·6	
9·4		37·6	59·7	
9·6		40·0	46·4	
9·6		40·0	35·6	
9·6		41·5	35·6	
9·4		42·4	9·7	
7·9		43·0	21·2	8·0 GW–c
9·6		43·5	15·7	
9·5		44·5	5·8	
8·6		50·8	14·6	9·5 G
9·2		52·6	22·5	
9·2		53·3	40·3	
9·5		59·5	38·8	
8·8	54	2·6	21·2	9·0
8·8		3·1	40·2	
9·2		9·5	15·2	
9·6		10·0	47·4	
9·2		12·3	44·9	
9·6		19·5	39·0	
9·1		20·0	44·9	
9·6		23·0	41·3	
9·2		24·3	53·5	
9·6		24·5	11·4	
9·6		25·5	49·5	
9·2		26·5	30·2	
9·4		29·0	50·4	
8·9		29·0	43·1	
8·4		44·1	32·5	9·0
9·7		52·1	26·5	
9·7		52·2	1·1	
9·6		54·6	39·7	
9·7	55	0·1	55·6	
9·7		4·6	43·1	
9·4		16·1	27·8	
9·7		20·6	18·6	
9·5		26·1	8·2	
9·7		26·6	13·2	
9·6		31·1	6·7	
9·4		35·4	0·7	9·0
9·3		43·6	3·0	
9·7		43·9	58·4	
9·5		47·1	57·1	
9·3		58·6	24·3	
9·7	56	0·1	2·6	
9·6		0·6	33·7	
9·7		4·4	58·8	
9·3		9·1	57·2	
9·2		9·1	55·0	
9·7		11·6	33·5	
9·5		19·6	34·3	
9·6		20·1	28·3	
	+1	41·5	−0·2	

7981—8040.

mag.	17h.–18h m	s	—36° ′	
9·2	56	38·1	25·3	
8·0		39·1	56·0	8·2 G
7·5	57	7·1	45·4	8·0 GSt
9·5		10·1	38·0	
9·3		10·1	12·0	
8·4		15·1	14·6	
7·6		16·6	34·9	7·5 GSt
9·4		28·1	32·1	
9·5		29·1	35·8	
9·3		32·6	2·1	
9·3		34·1	59·6	
9·7		48·6	14·6	
9·1		50·1	18·8	
9·7		52·1	19·9	
7·0		57·9	1·6	6·5 GSct
9·5	58	10·1	8·7	
9·7		16·1	19·9	
8·0		35·1	36·8	8·5 GSt
9·5		38·1	51·9	9·5
9·7		41·1	46·2	
9·3		47·1	20·7	
9·7		47·3	21·2	
9·7		49·1	14·2	
8·3		51·1	52·8	8·2 G
8·6		57·1	13·8	
9·2		57·6	8·7	8·2
9·6	59	9·1	49·7	
9·0		9·1	55·6	9·0
9·7		11·1	29·5	
9·5		13·1	9·0	
9·3		14·6	28·0	
9·7		29·1	7·2	
9·5		29·6	13·3	
8·8		36·6	13·9	
9·5		38·1	7·7	
9·6		40·4	1·5	
9·4		47·1	21·7	
8·4	0	4·3	19·9	9·0
9·7		4·5	57·4	
9·0		4·8	35·0	
8·6		19·8	35·3	
8·5		34·8	17·9	
9·7		38·3	4·0	
9·7		41·8	46·1	
9·7		45·0	2·0	
9·0		47·5	58·9	8·1 G
7·0		54·3	41·3	6·5 GSt
9·7		59·5	2·5	
9·1	1	7·3	47·6	8·5
9·1		9·3	32·5	
9·7		12·3	5·4	
9·6		28·8	12·7	
9·7		29·3	30·1	
9·0		33·3	19·4	
8·6		39·3	17·5	8·8
8·5		43·3	25·6	8·2
9·3		44·3	12·1	
8·9		47·3	16·0	
9·6		54·3	8·0	
9·6	2	4·3	4·4	
	+1	41·5	0·0	

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8041—8100.

mag.	18h. m s	−36° ′	
9·3	2 5·3	8·5	
9·7	16·3	58·7	
9·1	22·3	53·0	8·5
9·3	24·3	40·8	
9·3	26·3	0·6	
9·5	29·0	1·1	
9·1	34·3	21·2	8·8
9·5	48·8	4·7	
9·1	54·3	16·5	9·5
9·7	54·8	48·6	
9·6	58·3	45·1	
9·7	59·3	39·3	
9·6	3 4·3	34·4	
9·6	7·3	31·7	
9·7	13·8	7·2	
8·4	14·3	3·4	9·0
9·7	17·8	12·6	
9·5	28·3	4·4	
9·2	30·3	14·6	
9·4	32·3	41·9	
9·2	34·3	24·3	
9·7	42·8	42·1	
9·4	58·3	6·4	
9·3	4 5·3	17·6	
9·4	8·3	17·9	
9·2	10·3	13·1	
9·2	11·3	52·1	
9·3	13·5	57·5	9·5
8·0	14·8	30·3	8·0 G–
9·7	21·3	39·7	
8·8	29·3	52·8	9·5
8·6	34·3	14·8	
9·7	44·3	21·4	
9·3	45·3	20·5	
8·8	47·3	24·7	
8·8	58·3	45·5	8·2
9·7	5 7·3	15·0	
9·2	32·3	21·5	
7·9	36·3	54·1	8·2 G
9·5	42·3	24·9	
9·7	44·3	55·0	
9·1	49·3	10·5	9·5
9·7	59·3	56·9	
9·7	6 1·5	0·5	
9·7	7·0	1·1	
9·4	7·8	13·3	9·0
7·5	9·3	55·9	7·8 G
9·7	10·8	48·6	
9·7	13·8	40·0	
9·6	15·5	0·9	
9·5	16·8	35·1	
9·3	21·3	42·3	
9·6	23·3	26·3	
9·7	41·3	27·9	
9·0	46·8	25·2	
8·8	57·3	48·3	9·0
9·7	7 1·5	4·7	
9·1	7·3	40·1	
9·1	9·3	35·1	
9·7	9·3	18·2	
25pr.	+1 41·5	+0·1	

8101—8160.

mag.	18h. m s	−36° ′	
9·6	7 11·3	54·1	
9·7	12·8	4·5	
9·7	13·3	41·0	
9·7	21·3	46·1	
8·0	23·3	47·9	8·2 G
7·0	23·8	36·5	7·5 GS=t
9·7	36·3	47·9	
9·7	37·3	50·3	
9·7	40·3	48·1	
9·6	43·8	43·3	
8·9	44·3	38·1	8·5
9·7	49·3	16·1	
9·7	50·0	38·8	
9·7	51·3	14·6	
9·7	58·3	9·1	
9·7	59·8	6·3	
9·5	59·8	16·3	
9·7	8 8·8	55·6	
9·7	9·3	7·3	
9·5	14·3	25·1	
9·3	15·3	40·7	
9·7	24·3	20·2	
9·7	30·8	25·4	
9·0	37·3	19·5	
9·3	39·3	45·5	
9·6	53·3	10·2	
9·2	9 2·8	46·9	
6·6	9·8	47·8	3·0 GSπλ
9·7	19·3	37·1	
9·5	25·3	32·9	
9·6	27·3	56·5	
9·3	32·3	14·5	
9·7	35·3	9·0	
9·0	38·3	55·3	
8·3	49·3	23·7	9·0
9·5	57·8	41·1	
9·7	10 1·3	53·9	
9·7	10·8	53·3	
9·7	13·1	1·1	
9·7	15·3	55·9	
9·5	23·8	30·7	
9·5	24·3	55·1	
9·3	27·3	29·7	
9·3	28·8	36·0	
9·4	39·3	38·1	
9·6	41·3	10·7	
9·7	42·8	42·0	
9·6	48·3	2·7	
9·0	53·3	49·6	
9·7	54·3	9·2	
9·5	11 3·3	23·6	
9·5	17·3	4·1	
9·6	20·8	42·9	
9·2	24·3	38·5	
9·4	25·3	49·1	
9·2	29·3	56·3	
8·5	34·3	3·4	9·0 G–
9·7	35·8	20·3	
8·2	36·8	5·1	8·5
9·7	49·3	3·8	
	+1 41·5	+0·3	

8161—8220.

mag.	18h. m s	−36° ′	
8·4	11 53·3	28·7	–
9·0	57·3	44·3	
9·2	59·3	16·7	
9·3	12 1·8	6·3	
9·1	3·3	5·6	9·5
9·4	4·3	57·9	
9·5	4·8	2·8	
9·7	6·8	32·1	
8·3	10·8	49·5	GSt
8·6	19·3	13·9	
8·6	31·3	43·2	
9·7	39·8	12·1	
9·7	50·3	8·3	
9·3	54·3	9·5	
9·1	54·3	25·9	
8·8	13 13·3	57·7	
9·5	25·3	7·6	
9·7	26·3	19·9	
9·7	32·8	53·9	
9·5	36·3	20·9	
8·8	45·8	34·5	
9·2	50·3	30·7	
9·3	58·3	7·3	
9·5	14 11·3	23·9	
9·7	11·3	39·5	
9·3	16·3	14·6	
9·7	16·3	40·1	
9·2	16·8	47·5	
9·5	20·3	31·7	
6·2	24·3	43·5	6·0 GStπ
9·3	27·3	55·1	
9·2	46·3	22·4	
9·7	49·3	27·3	
9·7	55·8	25·1	
9·7	59·3	57·4	
7·2	15 1·8	17·7	6·0 GStπ
9·5	3·8	24·0	
9·4	4·3	47·3	
9·0	5·3	12·5	
9·3	12·8	52·7	
9·7	18·4	5·1	
9·7	20·3	33·7	
9·6	20·3	4·1	
9·7	20·8	57·9	
9·7	29·3	43·3	
9·7	29·3	8·1	
9·7	32·8	41·8	
9·7	45·8	20·4	
9·1	53·3	30·5	
9·3	58·3	48·0	
8·9	59·3	59·0	
8·8	16 5·3	22·4	
9·5	7·3	37·0	
9·5	9·3	49·1	
9·7	13·3	18·0	
8·3	19·3	46·0	
9·3	32·8	53·6	
9·7	37·8	56·3	
7·4	56·8	3·4	6·5 GS=
9·6	58·3	56·8	
	+1 41·5	+0·5	

8221—8280.

mag.	18h. m s	−36° ′	
8·4	16 59·8	47·8	9·0
9·7	17 1·8	1·2	
9·3	4·3	51·2	
9·3	4·3	31·1	
9·4	10·3	15·0	
9·7	11·3	31·2	
9·7	13·3	55·2	
9·5	13·8	14·0	
9·7	17·8	50·4	
9·7	20·8	45·4	
9·7	23·3	47·0	
9·7	27·3	5·2	
9·7	29·3	30·8	
9·7	29·3	1·9	
9·4	29·3	41·2	
9·4	58·3	23·0	
9·7	18 1·3	1·8	
8·2	12·3	0·1	9·0
9·5	12·8	19·6	
9·7	24·8	38·5	
9·2	30·8	30·5	
9·6	35·1	18·8	
7·7	57·8	57·4	8·0 G–
7·6	58·8	5·2	7·5 GS=
9·6	59·1	17·9	
9·7	59·8	23·4	
9·5	19 3·3	33·2	
9·7	5·8	53·6	
8·8	11·3	35·7	
9·8	16·3	24·0	
9·8	19·3	13·7	
8·9	19·3	33·4	
9·8	20·8	54·7	
9·2	29·3	3·2	
9·1	30·3	16·1	
9·1	33·3	21·7	
9·1	38·8	15·9	
9·8	41·3	57·0	
7·8	42·8	2·7	8·0 GS=
9·2	45·8	19·5	
9·4	48·8	4·7	
9·8	49·3	55·9	
9·2	50·8	9·7	
9·0	53·8	15·2	
9·2	56·3	9·0	
9·8	57·3	26·1	
9·8	57·8	35·5	
8·7	20 2·3	36·7	
8·8	3·1	0·4	9·0
9·7	3·8	48·7	
9·1	7·8	14·3	
9·8	9·3	2·3	
9·8	17·3	40·9	
8·9	20·8	38·7	
9·2	23·3	26·0	
9·2	39·3	25·8	
8·6	58·8	20·9	
8·8	59·8	21·9	
9·5	21 13·8	52·7	G
9·2	13·8	44·4	
	+1 41·5	+0·7	

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8281—8340.

mag.	18h. m	s	—36° '	
9.7	21	23.3	6.5	
9.1		35.3	34.9	
8.7		48.8	54.1	8.2 GW
9.7		48.8	17.6	
9.8		50.3	15.9	
9.4		55.8	55.5	9.0
9.8		59.8	41.3	
9.7	22	4.8	50.9	
9.4		5.0	8.9	
8.8		5.3	54.9	
8.7		9.0	29.0	
8.3		10.0	52.5	9.0
9.8		11.5	59.7	
9.4		14.0	40.7	
8.7		20.5	2.5	
9.7		25.5	11.9	
9.6		27.5	14.7	
9.8		34.5	50.0	
9.5		35.1	34.7	
9.8		37.0	26.9	
9.5		37.5	13.3	
8.6		37.5	48.0	8.5 G
9.8		39.5	28.0	
7.5		43.0	53.5	7.2 GS—
9.2		47.5	17.6	
9.8		49.0	58.0	
9.8		54.0	44.2	
9.8		54.0	38.0	
9.4	23	0.5	0.0	
9.2		2.0	11.3	
9.8		3.0	43.4	
9.2		13.5	54.9	
9.5		22.5	7.8	
9.8		23.0	57.2	
9.8		30.0	54.8	
9.7		31.0	37.8	
9.4		33.0	56.6	
9.0		38.0	34.0	
9.8		40.5	39.5	
9.4		43.0	33.3	
9.8		44.0	21.6	
9.8		47.5	7.3	
9.0		50.0	8.8	
9.5		54.5	47.4	
9.1	24	0.0	47.8	
9.8		0.1	40.9	
9.7		8.5	37.7	
9.8		10.5	48.7	
9.8		13.5	3.1	
9.2		31.0	55.1	
9.8		33.0	39.4	
9.8		34.0	43.8	
9.2		35.0	11.3	
9.2		37.0	10.2	
9.2		40.3	31.8	
9.7		44.8	16.5	
9.8		53.3	50.9	
9.8		59.3	32.8	
9.8	25	8.3	41.3	
9.7		8.3	34.7	
25pr.	+1	41.4	+0.8	

8341—8400.

mag.	18h. m	s	—36° '	
8.2	25	9.3	51.3	8.2 GW
9.2		9.3	28.8	
7.8		11.3	53.7	8.0 W
8.5		29.3	28.1	8.5 G
9.8		36.8	49.4	
9.8		37.3	43.5	
9.2		44.8	28.8	
9.8		49.3	8.1	
9.1		54.3	13.1	
9.8	26	4.3	17.7	
9.8		6.8	22.3	
9.5		9.3	51.7	
8.9		9.8	49.9	
9.8		10.3	15.5	
9.7		17.3	39.8	
9.6		19.4	2.0	
9.2		23.8	4.3	
8.8		29.0	58.0	
8.6		32.8	8.7	8.0
9.7		40.8	37.9	
9.2		41.3	11.7	
9.2		53.3	12.3	
9.6		55.3	54.4	
9.8	27	5.3	37.3	
9.7		9.3	49.2	
9.8		12.3	35.8	
9.8		12.8	33.8	
9.4		19.3	52.1	
9.7		21.3	32.3	
8.1		24.3	54.5	W—
9.8		31.3	27.5	
9.2		35.3	44.6	
9.7		40.3	18.5	
9.0		50.3	7.4	
9.7		59.3	40.8	
9.8	28	4.6	24.8	
9.2		11.6	20.9	
9.4		22.1	53.7	
9.4		24.6	46.3	
9.8		28.6	11.3	
8.4		47.1	9.4	8.5 —
9.8		49.7	24.9	
9.5		50.1	44.3	
9.8		50.6	45.5	
9.2		50.6	47.5	
9.8		52.6	16.1	
9.8	29	0.7	10.3	
9.8		20.1	56.1	
9.7		22.6	55.4	
9.4		28.6	33.9	
8.7		29.6	58.8	9.5
9.8		57.1	32.9	
9.2	30	9.6	12.3	9.0
9.8		12.1	5.4	
9.7		27.6	24.9	
9.8		46.6	11.6	
9.5		47.1	44.9	
9.5		48.1	49.8	
9.7		50.6	43.1	
8.2		54.1	19.9	8.0 G—
	+1	41.4	+1.0	

8401—8460.

mag.	18h. m	s	—36° '	
9.2	31	3.1	13.4	
9.7		8.1	54.8	
9.7		15.1	57.9	
8.9		16.6	4.8	9.0
9.2		19.6	52.1	
9.8		25.6	7.5	
9.2		29.6	40.9	
9.7		31.6	33.7	
9.4		35.6	22.5	
9.8		41.6	34.5	
9.0		43.6	8.8	
8.8		45.1	37.2	
9.2		48.1	54.3	
9.7		51.6	25.1	
9.5		51.6	39.9	
9.8		54.8	43.1	
9.0		54.8	30.3	
8.7		59.8	12.3	
9.4	32	11.3	18.2	
9.7		12.8	5.0	
9.8		22.3	59.8	
9.5		32.3	53.7	
8.8		41.8	0.0	
9.8		49.8	42.7	
8.8		51.3	25.1	7.0 G—
9.1		54.8	52.6	
9.0		59.8	22.0	
9.7	33	8.3	55.8	
9.5		9.8	16.0	
9.5		15.3	32.3	
9.8		16.8	51.9	
9.8		18.8	49.7	
9.2		20.8	8.4	
9.2		23.3	22.9	9.5
9.5		24.3	32.7	
9.8		30.8	24.6	
9.8		44.8	15.1	
9.7		47.8	33.5	
9.7	34	0.8	4.7	
9.2		1.8	14.5	
9.5		4.3	54.9	
9.4		16.3	50.7	
9.8		19.8	53.1	
8.1		37.3	18.0	8.0 G—
9.8		50.8	37.0	
9.2		55.3	8.0	
9.5		56.8	38.2	
9.1	35	5.3	18.7	
9.2		9.8	55.5	
9.2		19.8	8.5	
9.5		21.8	56.7	
9.7		27.8	42.3	
9.8		27.8	44.1	
9.8		36.3	37.1	
7.4		40.8	50.2	6.5 GS—
9.8		47.8	40.4	
9.2	36	3.8	4.0	
9.5		6.3	53.6	
9.4		15.8	10.0	
9.8		22.8	59.9	
	+1	41.3	+1.2	

8461—8520.

mag.	18h. m	s	—36° '	
9.8	36	31.8	17.9	
9.6		39.8	24.0	
9.6		44.3	1.0	
9.8		47.7	59.8	
9.2		53.8	56.9	
9.2		54.8	55.2	
9.8		56.3	36.2	
9.5		58.3	15.8	
9.4	37	0.8	35.1	
9.7		20.8	56.8	
9.4		23.8	11.7	
9.2		29.8	51.0	
9.6		29.8	19.2	
9.7		44.8	7.0	
9.7		49.8	23.0	
9.8	38	2.3	6.0	
9.0		11.3	56.7	
9.6		14.3	59.1	
9.0		14.3	33.0	
9.0		18.8	36.3	
9.8		19.8	44.0	
8.9		29.8	7.9	
9.2		34.8	27.1	
9.5		36.8	19.2	
9.8		37.8	32.8	
9.4		39.8	57.1	
9.8		40.8	32.0	
9.7		40.9	33.3	
9.0		42.3	38.4	
9.5		49.3	11.0	
9.4		56.3	34.7	
9.7	39	10.8	47.1	
9.7		11.8	12.7	
9.6		13.3	17.9	
8.8		14.8	40.6	
9.4		20.3	15.6	
9.5		32.3	37.2	
9.1		35.3	47.9	
9.2		49.8	25.9	
9.8		54.3	23.0	
9.8		59.8	25.0	
9.1	40	5.3	30.6	
8.7		5.8	27.1	
8.7		14.3	45.4	9.0
9.0		14.8	44.7	9.0
9.8		25.8	15.5	
9.4		46.3	23.4	
9.8		48.8	36.4	
9.0		49.3	2.0	
9.0		49.8	23.1	
9.2		49.8	52.5	
9.0		51.8	14.9	9.5
8.4		54.8	46.2	8.5 G
9.4		55.8	54.0	
9.5	41	0.3	42.2	
9.8		3.8	35.3	
9.5		4.8	14.6	
9.4		14.3	8.2	
9.8		28.8	27.2	
9.2		31.3	56.3	
	+1	41.2	+1.4	

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8521—8580.

mag.	18h. m	s	−36° ′	
9·0	41	35·3	11·7	8·5 G
9·8		53·3	12·9	
8·9		58·8	25·9	
9·7	42	1·8	39·7	
8·1		3·3	57·3	8·0 G–
9·1		5·8	52·8	9·5 G
8·8		15·8	36·5	9·0
9·5		22·8	23·9	
9·5		25·3	31·7	
9·5		28·3	3·4	
9·7		29·8	34·2	
9·5		35·8	9·0	
9·8		41·3	20·7	
9·4		43·8	52·4	
9·7		51·3	21·5	
9·4		59·8	38·3	
9·5	43	8·8	19·0	
8·4		13·3	36·3	7·5 G=
9·7		13·8	20·2	
9·4		24·3	23·3	
9·7		26·0	2·2	
9·0		27·3	18·6	
9·8		29·0	55·1	
9·7		29·3	54·0	
9·2		31·8	29·1	
9·6		35·3	57·6	
9·7		37·1	56·4	
8·7		38·0	34·0	9·0
9·4		44·8	57·2	
9·8		45·8	5·5	
9·5		47·0	22·2	
9·7		57·5	18·1	
8·5	44	7·8	43·7	
10·2		10·3	19·9	
10·2		14·3	51·2	
9·6		15·0	10·0	
9·6		22·5	5·7	
9·4		42·0	19·1	9·5
9·4		54·3	34·0	
9·6	45	0·3	2·6	
9·9		8·3	59·0	
10·2		14·8	34·8	
9·4		20·8	45·1	
7·4		23·3	26·1	7·5 GS–
10·2		38·8	4·1	
10·0		41·8	31·9	
9·6		41·8	48·2	
9·6		58·3	28·7	
9·9	46	4·8	31·0	
10·2		5·9	21·2	
10·2		29·8	47·0	
8·3		35·3	40·1	8·0 G
10·2		41·3	6·3	
10·2		48·9	19·1	
10·0		54·3	27·2	
10·1	47	2·3	23·4	
10·2		13·8	4·7	
9·6		13·8	21·9	
9·8		16·3	25·6	
9·4		17·3	59·4	
25pr	+1	41·1	+1·6	

8581—8640.

mag.	18h. m	s	−36° ′	
9·4	47	21·8	43·9	8·5
9·1		52·3	32·4	8·5 G
9·4		52·8	21·0	
10·2		55·3	5·4	
8·4		59·0	1·8	
10·2	48	1·9	23·8	
10·2		2·9	34·4	
10·2		5·8	1·0	
10·2		8·8	34·4	
9·9		9·8	7·3	
10·1		13·8	18·7	
9·2		19·8	32·0	
9·7		26·3	10·4	
9·4		28·8	48·2	
9·0		38·8	54·5	9·0
10·0		41·8	42·1	
9·8		42·8	26·5	
9·0		44·3	54·9	9·0
9·8		48·8	5·0	
10·2		54·8	52·6	
10·2		57·0	1·2	
10·1	49	0·8	29·4	
9·4		6·3	27·9	
10·2		8·3	20·2	
10·2		8·8	36·8	
9·4		28·8	27·5	
10·2		33·8	4·5	
9·6		38·8	48·7	
9·3		46·3	28·5	
9·9		55·8	36·7	
10·2		58·8	35·2	
9·3		59·8	22·2	
10·1	50	0·3	16·7	
9·6		8·8	14·2	
8·8		8·8	3·1	8·5
10·1		9·3	16·9	
9·8		11·8	54·1	
10·2		14·1	1·1	
9·4		14·8	15·1	
10·1		24·8	29·5	
7·7		30·8	7·7	7·5 GS=
9·7		41·3	9·1	
10·0		52·3	3·4	
8·5	51	2·3	4·7	8·0 G
10·2		10·8	33·1	
10·2		13·8	40·0	
9·6		15·3	45·1	
8·7		17·8	57·2	8·8
9·7		19·3	23·0	
10·2		46·3	16·5	
8·4		57·8	26·0	9·5
10·2		59·3	40·5	
10·1	52	4·3	25·2	
10·0		12·3	2·8	
10·2		13·3	43·9	
10·2		16·3	43·6	
10·2		20·8	9·9	
9·9		29·0	2·0	
10·1		31·8	33·8	
9·6		44·8	20·6	
	+1	41·0	+1·8	

8641—8700.

mag.	18h. m	s	−36° ′	
10·0	52	45·8	22·6	
10·2		48·3	6·9	
10·1		48·8	10·7	
8·9		49·8	8·3	
9·7		58·8	41·5	
8·9		59·5	2·7	
10·2	53	9·3	15·6	
8·7		13·3	24·5	
10·2		16·3	44·8	
9·6		19·3	3·1	
7·7		25·0	2·6	=
8·7		25·3	50·1	
9·1		29·8	34·4	
10·2		33·8	3·5	
8·5		42·3	32·0	
10·1		44·5	8·6	
10·1		44·5	18·6	
9·8		50·5	19·6	
10·2	54	1·5	10·3	
9·6		10·5	46·7	
9·2		19·5	50·1	8·0 GS
7·7		20·5	16·3	
9·4		31·5	9·7	
10·2		36·6	6·3	
10·2		40·5	16·2	
10·2		42·5	33·5	
9·6		52·0	40·7	
9·6		56·5	54·1	
10·2	55	0·0	15·0	
10·1		9·0	9·7	
10·2		18·5	41·0	
10·2		20·0	41·0	
10·1		20·5	8·7	
8·9		33·0	18·3	9·5
10·2		37·5	38·9	
9·8		56·5	12·0	
10·2		59·0	52·0	
9·2	56	4·0	17·8	8·5
10·2		5·3	1·5	
10·2		8·7	57·9	
10·0		14·5	46·6	
9·7		18·0	12·1	
10·2		20·0	3·4	
9·6		22·5	51·1	
9·6		24·0	41·5	
9·6		34·5	5·0	
10·2		45·5	3·7	
10·1		53·5	5·5	
10·1		55·3	0·0	
9·4		58·0	28·5	
10·1	57	0·5	35·6	
10·1		1·0	31·1	
9·7		2·0	21·0	
8·5		2·0	21·2	9·0 G–
9·6		5·0	55·0	
10·1		12·0	11·5	9·5
9·9		12·0	15·2	
9·6		20·0	53·8	
9·7		21·0	41·2	
9·6		21·0	34·8	
	+1	40·8	+2·0	

8701—8760.

mag.	18h.–19h. m	s	−36° ′	
8·5	57	35·0	22·8	8·5 G–
9·8		40·5	42·0	
10·2		49·5	5·6	
10·2		52·0	6·6	
9·7		54·5	39·1	
9·6	58	2·5	11·0	
10·2		11·5	12·6	
10·0		14·0	8·0	
10·2		16·0	13·8	
9·7		23·0	35·1	
10·2		28·0	6·2	
10·2		42·0	35·2	
9·4		46·0	47·7	9·0
9·8		46·0	21·4	
10·2		50·0	4·0	
10·2		51·0	39·0	
10·2		53·0	17·2	
9·6		56·0	23·2	
9·9	59	0·5	51·0	
9·4		2·0	19·5	
9·6		5·0	49·0	
9·6		5·0	33·8	
10·0		6·5	33·9	
10·2		20·0	27·2	
9·0		21·0	8·8	
10·2		26·5	6·1	
10·2		27·7	58·6	
10·2		29·5	50·5	
9·9		31·0	0·6	
10·0		35·0	3·5	
9·6		37·0	42·1	
9·4		38·0	21·5	
10·2		40·5	7·6	
10·2	0	8·5	34·2	
9·6		26·0	24·4	
10·0		36·5	7·9	
10·0		40·0	37·6	
9·6		41·0	50·4	
9·4		43·5	22·2	
10·2		52·0	44·7	
9·4		58·5	22·8	
10·0	1	0·5	53·2	
10·0		12·5	47·2	
6·8		15·0	21·6	7·0 GS–
9·6		21·0	18·4	9·5
9·4		31·0	33·2	
10·2		38·0	55·9	
9·4		50·0	37·6	
9·8		50·3	2·8	
10·0		52·5	30·3	
9·8	2	1·5	3·0	
10·0		24·0	55·4	
9·6		32·0	30·5	
10·0		40·5	7·3	
9·8		44·0	58·0	
10·2		44·5	36·9	
9·8		55·0	23·9	
10·1		57·5	37·9	
9·1	3	9·0	35·0	
10·2		10·5	14·0	
	+1	40·7	+2·2	

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8761—8820.

mag.	19^h m s	−36° ′	
10·1	3 19·0	42·5	
9·9	20·5	35·7	
9·4	28·5	23·3	
8·9	40·0	21·4	
9·6	40·0	37·9	
10·2	46·1	26·2	
9·8	50·0	54·7	
10·1	52·7	57·2	
9·0	4 0·0	8·8	
10·2	1·0	6·9	
9·4	5·5	47·3	9·0
10·2	8·1	39·3	
8·6	15·5	21·7	9·0 –
9·6	21·0	7·0	
9·9	22·0	18·6	
10·2	24·1	26·8	
10·2	30·1	16·8	
10·2	33·5	39·2	
9·6	35·0	37·9	
9·7	37·0	11·0	
10·2	40·1	3·9	
10·2	50·0	33·5	
10·0	53·0	54·4	
10·2	5 10·0	44·2	
10·2	14·5	12·1	
9·6	18·0	38·7	
9·7	20·0	2·1	
9·3	22·0	28·7	
10·2	22·0	35·1	
9·7	26·0	50·0	
9·9	28·0	16·2	
10·1	36·0	6·0	
10·1	38·0	6·3	
10·1	40·5	4·9	
9·0	53·5	27·1	9·5
10·2	55·0	4·2	
9·7	6 8·0	39·6	
10·1	16·0	1·8	
9·6	16·0	51·7	9·5
9·0	16·0	47·0	9·0 G
8·9	17·5	27·5	G
9·0	17·5	4·9	
10·2	22·0	48·9	
10·2	22·2	19·1	
10·0	30·5	19·9	
8·7	32·5	34·4	9·0 G
9·3	36·5	38·8	
10·2	40·0	37·8	
10·2	42·0	44·0	
9·3	50·5	14·9	
10·2	7 1·0	4·2	
9·6	5·5	7·6	
10·2	7·5	54·0	
8·7	10·0	55·5	9·0
10·2	23·0	42·3	
8·9	48·5	37·9	9·0 –
9·2	49·5	28·9	
10·2	57·2	36·1	
10·2	8 4·0	27·6	
8·0	35·0	15·2	9·0
25pr.	+1 40·6	+2·3	

8821—8880.

mag.	19^h m s	−36° ′	
10·2	8 40·0	35·5	
9·3	51·0	25·2	9·5
10·2	58·5	26·6	
10·2	9 12·5	39·5	
10·1	15·5	27·1	
9·1	17·2	28·3	
10·0	29·0	44·8	
9·8	11 5·8	19·7	
7·4	9·3	52·9	7·5 GS
8·4	52·3	27·2	8·0 G–
8·4	59·3	16·5	9·0
10·0	12 0·8	24·7	
10·0	13 5·8	29·4	
10·0	27·3	7·7	
8·5	43·8	6·0	9·0 G–
9·8	14 0·8	8·6	
10·0	15 9·8	16·8	
8·6	43·8	10·7	8·0 G–
10·0	16 22·8	54·7	
9·4	44·8	5·6	
9·2	59·8	36·5	
10·0	17 45·8	16·3	
9·4	18 36·8	27·0	
9·8	37·8	23·1	
9·6	56·3	20·8	9·0
8·8	19 13·8	19·0	9·0
9·8	49·3	32·7	
10·0	56·3	50·8	
7·6	20 29·8	15·1	7·5 GS–
10·0	33·8	28·5	
9·0	36·8	8·4	9·0
10·0	38·3	27·5	
8·2	44·8	3·1	8·0 G–
9·0	52·8	41·9	
8·6	21 30·8	33·0	8·5
10·0	22 0·9	59·1	
9·8	9·1	40·8	
9·4	32·1	18·4	
10·0	23 5·1	7·0	
9·8	20·1	7·0	
8·0	30·6	13·0	8·0 GS–
10·0	42·6	39·0	
9·4	24 15·1	53·0	
10·0	28·6	48·7	
9·2	39·6	48·3	
9·4	45·6	26·7	
10·0	47·6	16·1	
10·0	25 24·6	24·0	
10·0	27·1	55·5	
9·2	34·1	53·9	
9·6	42·1	9·9	
10·0	52·1	9·0	
9·0	26 2·1	30·8	
8·4	10·6	18·8	
10·0	32·1	29·6	
8·8	33·4	1·2	9·0 G
10·0	39·1	3·0	
9·4	46·6	14·0	
9·6	57·6	26·0	
9·6	27 33·1	41·6	9·5
	+1 40·0	+2·9	

8881—8940.

mag.	19^h m s	−36° ′	
9·8	27 34·1	54·8	
8·8	45·1	23·8	
8·5	57·6	44·0	9·0
10·0	28 10·6	19·5	
9·2	43·1	13·4	
9·6	47·8	58·5	
9·2	29 16·1	52·8	
10·0	23·6	10·0	
9·4	36·1	18·7	
10·0	41·1	16·8	
8·5	41·1	40·3	8·5
8·5	30 10·1	18·8	–
8·6	14·6	9·3	
9·6	29·6	9·5	
10·0	50·6	26·5	
10·0	31 0·1	55·2	
10·0	0·1	32·8	
9·8	19·1	34·0	
9·4	20·1	33·7	
9·2	40·1	51·8	
9·2	32 10·1	54·0	
10·0	32·6	3·8	
9·0	33·1	9·7	9·5
8·0	54·1	37·0	8·2 –
10·0	33 5·1	38·2	
8·5	21·1	0·4	
7·1	55·8	55·2	6·9 GSg
9·8	34 4·3	10·5	
9·6	14·1	22·4	
10·0	15·8	36·8	
10·0	23·6	52·0	
8·0	44·6	16·3	7·8 GS–
9·2	59·6	40·3	
9·6	35 13·0	15·9	9·5
9·8	21·5	26·8	
9·8	33·8	42·3	
9·8	57·0	26·1	
9·1	37 41·0	17·3	
9·4	40 7·7	31·0	
9·8	23·2	15·6	
9·3	41 13·2	27·0	
9·8	18·2	35·0	
9·8	20·2	14·0	
9·8	45·7	50·5	
9·8	52·7	28·9	
9·8	59·2	57·2	
8·4	42 29·2	46·9	
9·8	35·7	44·9	
9·8	43 22·1	21·0	
9·1	39·2	51·0	
9·8	41·7	41·3	
9·3	48·7	9·4	
9·8	44 4·1	38·9	
9·0	10·2	23·4	
9·4	20·2	42·1	
9·8	45 25·2	33·8	
9·8	29·2	49·3	
9·8	30·7	36·1	
9·8	42·7	10·0	
9·8	43·2	52·4	
	+1 39·4	+3·3	

8941—9000.

mag.	19^h m s	−36° ′	
7·8	45 56·7	18·3	8·0 GS–
9·1	46 10·7	17·8	9·0
8·1	13·2	53·9	
9·3	14·2	51·4	
9·8	16·2	14·8	
9·8	32·7	28·1	
6·9	49·2	31·4	7·0 G=
9·2	47 9·2	50·4	
9·8	29·2	8·1	
9·8	30·1	29·1	
9·1	48·6	59·8	8·5
9·8	59·2	53·9	
9·6	48 19·2	8·7	
9·8	21·2	38·4	
9·5	28·2	25·2	
8·4	39·2	42·2	
9·8	49 10·7	27·4	
9·6	13·2	6·7	
9·6	50·2	30·1	
9·8	50·2	6·4	
9·1	54·2	37·3	
9·5	57·2	23·5	
9·8	59·6	1·9	
9·8	50 10·2	10·5	
9·8	23·2	5·9	
9·8	36·2	1·9	
9·6	44·2	32·7	
9·3	51 0·2	6·0	
9·8	11·2	59·5	
9·8	21·2	54·4	
9·6	32·2	21·1	
9·2	44·7	44·4	
9·6	49·2	15·1	
9·0	52 1·2	53·2	
8·4	9·2	25·0	
9·8	26·7	15·8	
9·5	28·7	45·6	
9·5	33·2	29·3	
9·2	34·2	10·3	
9·8	47·7	7·8	
9·8	51·2	49·7	
9·8	53 9·2	58·7	
9·0	19·2	34·4	
9·8	32·7	30·2	
9·8	40·7	39·9	
9·6	44·7	32·8	
9·8	54 1·7	15·1	
8·6	20·2	19·2	
9·1	25·2	44·8	
9·5	49·7	0·8	
9·8	52·7	44·9	
9·8	55 11·7	31·9	
6·9	19·2	56·6	GS–
8·7	29·2	11·8	
9·8	30·2	30·1	
7·7	31·2	24·3	7·0 GS–
8·9	56 0·7	30·6	9·0
9·0	3·2	8·1	
8·4	30·2	21·1	–
9·0	48·2	8·3	
	+1 38·7	+3·9	

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9001—9060.

mag.	19h.–20h. m	s	—36° ′	
9.8	56	50.2	5.3	
7.5	57	4.7	43.7	7.5 GS–g
9.4		20.2	54.5	
9.4		24.2	41.8	
9.1		28.7	31.0	
8.9		29.2	53.3	8.5
9.3		29.2	17.6	
7.7		34.2	51.0	7.5 G–
9.0		38.2	10.3	
9.8		58.7	43.2	
9.8	58	0.7	8.7	
8.4		15.7	32.6	
9.4		39.7	54.2	
9.6		58.2	8.9	
9.6	59	1.7	46.9	
9.6		26.9	35.5	
7.4		28.2	0.8	7.5 GS–
9.8		38.2	6.3	
8.6	0	0.2	17.7	
9.8		1.2	5.4	
9.5		22.8	38.3	
9.5		33.6	19.5	
8.7		43.0	48.8	
8.0	1	12.0	51.8	–
9.4		22.0	56.1	
10.1		24.5	54.9	
9.0		34.0	21.4	
8.9		40.0	23.8	
9.0		53.5	47.7	
9.4		55.2	1.5	
9.5	2	0.5	19.0	
9.5		1.5	15.1	
10.1		24.0	20.8	
10.1		42.5	14.8	
10.0		44.5	41.0	
10.0		54.5	51.0	
6.6		59.5	25.1	5.0 GStπ
9.5	3	0.5	11.6	
9.8		3.5	8.5	
9.5		6.0	43.9	
10.1		7.5	7.7	
10.0		13.5	20.1	
9.8		15.0	49.4	
10.0		16.0	22.7	
9.0		30.0	37.3	9.5
10.0		35.5	17.1	
9.8		41.5	38.8	
8.4		43.0	27.3	9.5
8.6		54.0	54.7	9.0
10.1	4	11.5	48.2	
8.7		16.5	9.1	
8.6		25.5	7.4	
8.4		38.0	42.6	
9.2		50.5	31.5	
9.8		50.5	10.3	
10.1		52.7	58.8	
10.0		53.0	43.6	
10.1		53.5	50.0	
9.5	5	3.0	34.0	
8.9		10.5	40.4	
25pr.	+1	38.1	+4.2	

9061—9120.

mag	20h. m	s	—36° ′	
10.0	5	13.5	26.0	
9.6		15.5	51.0	
8.0		41.5	24.8	8.5 G–
9.6		45.5	54.8	
9.0		54.5	59.3	9.0 G
8.6	6	21.5	12.6	–
8.2		28.9	37.1	8.5
10.0		39.9	27.7	
10.0		41.2	57.3	
9.8		57.9	46.6	
9.4	7	16.9	1.9	
9.4		28.4	45.8	
7.6	8	14.9	49.9	6.5 GS–
10.1		21.4	37.8	
8.6		24.9	3.9	
9.6		31.4	11.1	
9.4		46.4	49.6	
9.8		55.4	42.5	
10.0	9	9.4	48.5	
9.8		18.9	18.1	
10.1		31.9	4.7	
10.1		40.9	17.4	
10.1		56.9	4.2	
10.1	10	3.4	41.3	
8.8		42.9	58.7	
10.0		49.4	53.4	
10.0		49.9	42.1	
10.0	11	4.9	31.9	
9.8		12.9	37.7	
10.1		20.9	21.3	
9.2		47.9	11.8	
8.0		48.4	53.7	7.8 G–
10.1		51.9	53.1	
9.8		54.4	13.1	
9.5		56.4	44.3	
10.1	12	8.5	1.0	
10.1		13.9	2.4	
9.4		19.4	36.2	
9.0		44.9	24.3	8.5
7.7		47.9	3.9	6.5 GS–
9.8		51.4	14.3	
8.2	13	4.9	18.4	7.5 –
10.0		20.9	11.3	
10.1		23.2	3.9	
9.4		33.7	43.2	
9.0		35.7	51.9	8.0 G
10.1		36.2	27.1	
9.8		42.7	50.9	
10.1		57.7	28.2	
9.6		58.2	10.2	
9.6	14	4.2	33.7	
8.6		5.2	5.2	
8.3		9.2	3.9	
8.6		9.2	55.1	8.5 G
10.1		13.7	37.1	
8.8		21.2	16.4	
8.0		24.2	28.8	
9.5		34.2	53.7	
9.0		39.2	43.3	
9.5		43.2	44.6	
	+1	37.6	+4.6	

9121—9180.

mag.	20h. m	s	—36° ′	
10.1	14	50.7	39.5	
10.1		55.2	49.0	
10.1		58.7	40.9	
10.1	15	15.7	12.1	
10.0		19.2	51.1	
10.1		20.2	7.1	
8.2		44.7	44.3	
9.6		49.2	4.1	
9.4	16	1.2	34.5	
8.7		9.2	15.2	
10.1		23.7	40.3	
8.9		26.7	49.8	
9.4		35.2	4.0	
10.1		41.2	21.1	
9.5		44.2	1.7	
10.1	17	4.2	15.9	
10.1		8.2	6.2	
9.4		13.7	30.6	
9.2		28.7	12.4	
10.1		30.7	39.9	
9.8		32.2	56.0	
8.9		32.2	1.8	
10.1		46.2	10.9	
9.5		49.7	46.6	
10.0		52.0	57.5	
10.0		52.2	27.5	
10.1	18	5.2	51.2	
10.1		11.0	35.8	
9.4		26.5	55.0	
9.8		34.5	46.8	
9.8		39.5	23.1	
10.0		49.0	16.2	
10.0		49.5	7.1	
9.4	19	1.0	24.0	
10.1		1.5	46.0	
8.2		1.5	9.3	7.5 G–
9.8		5.5	22.8	
10.1		31.5	12.3	
10.0		53.5	25.7	
8.6		53.5	46.0	
10.0		59.0	24.0	
10.0	20	0.5	29.4	
10.1		13.5	53.1	
10.1		16.7	13.7	
10.0		17.0	20.9	
8.0		29.0	36.2	7.5 G–
10.1		30.7	40.2	
8.6		39.0	46.4	
9.6		43.0	7.0	
5.8		45.0	0.4	6.5 GStπ
9.4		53.0	24.9	
10.1	21	0.5	32.9	
9.6		13.5	10.9	
10.0		20.0	3.6	
10.0		30.0	8.2	
9.5		41.0	26.2	
10.1		49.5	18.2	
10.1		54.5	4.7	
10.1		59.0	6.6	
10.1	22	7.4	59.4	
	+1	37.2	+4.8	

9181—9240.

mag.	20h. m	s	—36° ′	
9.6	22	23.0	46.4	
10.0		24.0	47.3	
9.6		33.0	37.8	
10.1		39.0	55.8	
10.1		43.5	38.9	
10.1		45.5	14.4	
9.0		50.0	15.6	
9.2		52.5	17.2	
9.4	23	3.5	47.4	
9.8		10.5	22.2	
9.6		14.5	56.1	
9.8		23.0	6.2	
9.6		42.0	21.5	
8.8		43.5	23.3	
8.8		44.0	34.0	
10.1		50.5	16.4	
10.1	24	17.0	33.7	
10.1		19.0	41.8	
9.0		27.0	35.8	
9.4		28.0	42.6	
7.5		43.8	39.0	8.0 –
10.1		44.0	9.5	
10.1	25	0.5	57.1	
10.1		1.0	28.2	
8.6		8.3	17.9	7.5 –
10.1		14.0	49.1	
10.0		16.0	7.5	
10.1		20.5	0.1	
10.0		28.5	41.3	
10.0		40.0	7.1	
9.2	26	34.6	16.2	
9.2		59.1	51.6	8.5
8.7	27	4.1	42.0	9.0
9.0		45.6	8.4	
9.0	28	23.6	10.8	
9.0	29	35.1	58.3	
8.3		46.6	30.0	
8.5	30	51.1	53.2	8.5
7.7	31	3.1	47.6	–
7.4		52.6	28.1	7.0 GS=
9.0	32	19.1	2.8	
7.6		20.1	14.2	7.5 GS–
9.0		40.1	10.2	
9.2	33	14.5	59.6	
9.2		14.6	13.6	
9.2	34	32.1	9.5	
8.9		43.5	31.0	
8.6	35	46.5	5.1	8.0
7.4	36	43.5	16.6	7.0 GStπ
9.0		45.5	32.5	
9.2		51.0	39.1	
8.8	37	0.5	31.3	
8.5		8.0	33.3	
7.0	38	20.5	34.2	6.5 GStπ
9.0		20.5	43.8	
9.2		26.4	18.8	
9.2	39	45.5	13.8	
9.2		47.5	14.0	
9.2		59.5	5.0	
8.8	40	58.5	40.3	
	+1	36.7	+5.0	

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9241—9300.

mag.	20^h m	s	−36° ′	
8·8	41	8·5	27·0	
8·3		11·2	56·8	8·5
9·2		28·0	43·5	
9·2		39·0	46·1	
8·7		39·5	6·5	9·5
8·4	42	10·2	1·2	8·5
8·8		43·0	13·1	9·0
9·0		49·5	27·8	
9·2	43	3·5	17·0	
8·8		41·5	45·7	
9·2		44·5	6·4	
9·2		51·5	52·7	
8·8		54·5	19·0	
9·2	44	30·0	48·6	
9·0		40·0	21·7	
8·5	45	12·5	20·1	–
7·6		17·7	58·9	7·2 GS
9·0		20·5	34·6	
9·2		33·5	6·5	
7·9		44·5	39·8	7·5 GS–
9·2	46	19·0	38·4	
9·0		23·5	16·5	
9·0		24·0	24·3	
9·2	47	8·5	43·3	
9·2		42·0	55·9	
8·8		59·5	30·1	
9·0	48	29·5	33·6	9·5
9·2	49	36·4	0·5	
10·0		50·8	13·5	
10·0		58·8	38·3	
9·0		59·8	56·0	
9·2	50	7·9	24·5	
9·4		44·3	12·9	
9·8		49·8	37·6	
9·0		54·3	11·0	
9·6		57·1	8·3	
10·0	51	9·8	41·7	
10·0		39·8	2·9	
9·4		44·3	34·0	
9·4		46·4	30·7	
9·6		50·8	54·5	
6·7	52	5·3	36·6	6·5 GS=
8·8		18·3	35·5	8·5
9·7		20·8	35·0	
8·8		23·8	47·7	
9·4		49·5	21·4	
7·0	53	0·5	32·5	7·0 GS=
9·6		19·5	13·5	
10·0		21·0	36·2	
10·0		34·5	29·0	
10·0	54	19·0	34·8	
8·2		57·0	17·7	8·5
9·4		59·5	24·0	
10·0	55	16·0	42·4	
10·0		22·0	44·1	
10·0		36·5	58·0	
10·0		54·5	54·2	
9·8	56	14·0	39·9	
9·8		15·0	26·7	9·5 G
8·5		19·5	17·5	
25pr.	+1	35·0	+5·6	

9301—9360.

mag.	20^h.—21^h. m	s	−36° ′	
9·7	56	19·5	22·9	
10·0		21·5	26·0	
8·4		24·0	51·8	9·0 G
8·8		39·0	31·8	9·0 G
9·4		47·5	49·5	
10·0	57	38·6	57·6	
8·4		42·9	57·8	8·0 G
8·3		44·5	11·8	
8·9		47·5	51·0	8·0 G
9·4	58	7·5	22·3	
10·0		8·0	13·2	
7·5		9·0	45·3	7·5 GS–
10·0		13·5	32·6	
10·0		34·5	32·0	
7·9	59	15·0	22·0	8·0 G=
10·0		32·0	40·1	
9·4		40·5	3·0	
9·4		49·9	57·2	
10·0	0	17·5	27·9	
10·0		51·0	41·7	
10·0	1	2·9	59·9	
9·6		34·5	8·3	
8·4	2	0·0	5·8	8·0 G
9·2		20·4	0·9	
9·6		32·4	48·7	
10·0		41·9	35·7	
10·0		59·4	9·2	
10·0	3	2·9	2·0	
8·8		20·4	25·1	8·0 G
9·7		23·9	24·9	
9·6		29·4	36·6	
9·7		38·4	33·9	
9·4		46·4	29·9	9·0
8·0		56·9	24·4	8·0 G–
9·4	4	15·4	22·7	
9·8		21·9	6·2	
9·6		26·9	36·1	
10·0		30·9	59·7	
9·6		39·4	20·7	
9·4		40·4	7·1	
9·4		52·4	8·1	
7·9		59·4	16·3	7·5 GS–
7·0	5	29·9	56·3	6·0 GS–
9·8		32·4	48·5	
9·7		40·4	22·9	
10·0		43·4	57·0	
8·6	6	11·9	4·0	
8·8		16·4	36·2	
9·6		51·6	57·7	
10·0	7	3·9	18·2	
8·4		43·4	13·9	8·0 G–
7·3		59·4	43·7	6·5 GS–
8·6	8	6·2	1·3	7·5 G
9·6		7·4	39·6	
9·7		25·4	48·8	
8·8		33·9	36·4	9·0 G
9·2		49·4	49·0	
7·8		50·9	41·5	8·0 G–
9·4	9	11·1	21·4	
10·0		24·1	44·9	
	+1	34·0	+6·0	

9361—9420.

mag.	21^h. m	s	−36° ′	
10·0	10	7·6	43·0	
9·6	11	7·1	34·7	
8·6		15·1	45·1	9·0
9·1	12	27·1	23·5	
9·6		28·6	10·9	
8·9		29·3	2·2	
8·1		49·1	13·7	7·5 G–
9·4		51·6	55·5	
9·4	13	0·1	51·3	
9·2		4·6	20·2	
9·2		39·6	56·1	
10·0		41·1	22·9	
10·0		51·1	25·1	
8·8		59·1	16·9	
8·8	14	2·6	56·9	8·8 –
8·2		22·1	56·6	8·2 G–
10·0		44·1	22·5	
9·4		44·3	32·1	
8·6	15	2·8	30·9	
10·0		26·6	19·7	
10·0		44·6	20·3	
9·2		59·3	13·1	
10·0	16	30·1	10·8	
10·0		48·9	42·8	
9·6		53·3	17·7	
9·2		55·3	41·0	
10·0		55·6	31·9	
9·5	17	32·0	59·1	
9·1		40·0	23·6	
8·4		51·5	7·2	8·0 G
9·1	18	7·0	17·0	9·0
7·8		8·5	22·3	G–
9·8		10·5	0·2	
9·1		35·5	4·5	
9·5		40·5	55·2	
9·8		41·0	50·7	
8·0		44·5	58·9	7·5 G
9·5	19	0·0	47·1	
8·6		10·5	29·9	8·0 G–
8·8		21·0	5·8	
9·6		29·0	28·6	9·0
9·8	20	5·0	37·0	
8·8		13·0	46·8	
9·8		19·5	0·1	
9·6		28·0	24·7	
9·8		54·0	30·9	
9·8	21	9·0	49·1	
9·8	22	33·6	43·0	
9·1		37·0	30·3	
9·8		49·6	48·8	
8·2		50·5	32·6	8·0 G=
9·1	23	39·5	40·4	
9·8		45·0	31·9	
9·8		56·5	40·4	
8·0	24	10·0	7·1	8·5 –
9·5		12·5	10·4	
9·1	25	9·0	18·2	
9·8		12·5	34·0	
9·2	26	23·0	24·5	
9·4		29·5	12·7	
	+1	32·9	+6·4	

9421—9480.

mag.	21^h. m	s	−36° ′	
9·8	26	35·7	6·9	
9·6		39·0	9·3	
9·2		40·5	32·3	
9·6		41·5	48·1	
9·1	27	1·5	26·1	
9·5		14·0	44·8	
9·3		21·5	15·8	9·5
9·3	28	17·0	58·3	9·5
9·1		42·5	34·3	9·0 G–
9·5	29	2·5	36·3	
8·5		12·5	26·4	8·5 GS
9·8		14·5	39·3	
7·2		20·5	26·4	7·5 GS=
9·8		43·0	16·7	
9·8	30	3·5	30·7	
9·0		16·0	48·5	9·5
9·5	31	23·5	54·1	
9·1		57·0	35·5	
9·6	32	10·8	19·3	
8·0		20·5	24·2	8·0 GW–
9·8		52·0	30·1	
9·8	33	16·8	24·1	
7·8		29·5	12·7	8·0
7·6		44·5	9·1	7·0 GS–
8·1	34	11·5	8·5	8·5
9·1		24·5	17·7	
8·4	35	11·0	9·1	8·0 G–
9·8		18·8	37·2	
8·8		33·0	12·8	9·0
9·2		38·0	21·9	9·5
9·3		43·0	50·2	
9·5		45·0	39·1	
8·8		48·7	22·0	9·5
9·2		49·2	57·1	
9·3		49·4	1·0	
9·6	36	29·7	52·3	
9·8		30·5	45·7	
9·3		34·7	51·0	
9·8		48·2	40·0	
8·2	37	6·7	11·1	7·0 G–
9·6		21·2	51·9	
9·1		31·7	52·9	
9·8		33·7	5·1	
9·8		34·5	25·2	
9·8		55·2	51·9	
9·3	38	25·7	4·5	
9·8		25·7	54·5	
9·8		33·5	17·2	
9·8		55·7	15·9	
9·6	39	10·2	31·0	
7·6		15·7	16·9	8·0 G–
9·5		40·2	4·1	
9·2		58·5	23·0	
8·4	40	10·7	12·1	9·0 G
9·8		13·7	16·8	
8·8		40·7	25·0	8·0 G–
9·2		51·0	38·4	
9·3		56·2	13·8	
7·8	41	40·5	12·9	8·0 –
8·0		46·0	3·9	8·0 –
	+1	31·4	+6·8	

9481—9540.

mag.	21h.–22h. m	s	—36° ′	
9·9	42	12·3	20·3	
8·9		59·8	35·5	9·0 G
9·9	43	24·8	20·3	
8·9	44	17·3	32·1	8·0 G–
9·2		17·3	14·2	
9·9		20·3	7·2	
7·6	45	13·3	35·1	8·0 GS=
9·4		13·3	45·7	
9·8		17·3	3·4	
8·9		43·3	36·9	9·0
9·8	46	7·3	37·9	
8·7		8·3	25·1	8·5 G=
7·4		48·8	38·9	7·0 GS–
9·8		51·8	9·9	
9·4	47	10·3	59·3	
8·7	48	37·3	43·1	9·5 –
9·6	49	6·3	32·2	
9·6		8·3	53·1	
9·9		14·3	19·1	9·5
9·9		39·3	15·1	
9·9		51·8	6·0	
9·2	51	18·8	42·4	–
9·0		57·0	56·5	9·5
9·6	52	28·8	55·5	9·0 –
9·8		39·8	33·7	
9·9	53	1·3	42·1	
7·6		33·8	3·3	8·0 G–
8·2	54	3·3	39·3	–
8·4		11·3	43·3	
8·7		18·3	54·6	
8·1		39·3	8·8	7·0 G–
7·5		59·3	25·9	7·5 G=
9·4	55	8·0	57·6	
9·6	56	52·3	44·6	
8·4	57	18·3	18·0	7·0 G–
9·8		40·8	18·8	
9·8		41·3	24·8	
9·9		58·3	4·5	
9·9	58	23·3	21·9	
9·9		28·8	34·8	
9·9	59	29·3	12·7	
9·9	0	5·8	22·0	
9·8		47·8	28·2	
9·9		53·3	26·8	
9·8		55·3	55·4	
8·8	1	7·3	54·9	
9·9		8·3	34·2	
9·6		34·3	33·3	
9·2		36·8	40·9	G
7·8		37·3	39·9	8·0 G
9·9	2	42·3	38·8	
8·2		52·3	35·3	8·8 –
9·9	3	53·5	17·7	
9·2	4	3·0	39·2	–
9·9		6·0	25·9	
9·4		15·5	29·5	
9·4		53·5	47·0	–
9·6	5	17·5	46·9	
9·2		24·2	9·4	
9·9		28·9	2·8	
25pr.	+1	29·7	+7·1	

9541—9600.

mag.	22h. m	s	—36° ′	
9·0	5	34·2	2·9	
10·2	6	3·6	31·2	
8·6		14·2	21·6	9·0 G
9·8		39·4	21·5	
10·0		59·2	18·2	
10·0	7	8·4	58·5	
10·2		14·4	26·9	
8·6		30·4	48·4	9·0 –
9·7	8	43·4	25·2	
9·2	9	30·4	24·2	
8·4	10	0·4	34·3	
9·6		1·4	35·9	–
9·4		11·4	56·0	
9·4		21·6	2·1	
9·0		41·9	50·3	
9·0		53·9	53·1	–
8·8	11	1·4	7·2	9·5 G
10·2		32·0	36·9	
10·0	12	3·0	9·5	
9·9		32·5	29·4	
8·8	13	31·0	31·9	
10·2		34·0	46·0	
10·0		39·5	19·6	
8·7		49·5	58·1	9·0
8·1	14	19·5	33·9	8·0 G=
10·2	15	24·5	12·0	
10·2		43·0	19·4	
10·2	16	15·0	25·9	
10·2		24·5	16·6	
10·2		29·5	43·1	
8·7		39·5	21·0	–
10·2		47·5	12·0	
9·0		56·5	1·4	
9·4	17	0·5	10·6	
10·2		6·0	35·8	
9·9		8·5	43·6	
9·9		19·0	6·4	
9·7		35·5	18·1	
9·9	18	9·5	27·0	
8·2		40·5	17·4	9·0 –
10·2		54·5	12·5	
9·7	19	13·5	50·0	
8·6		44·5	18·5	9·0
9·9	20	9·5	50·8	
10·2		30·5	38·6	
9·7		32·0	15·0	
10·2		46·4	2·7	
10·2		50·5	55·1	
9·7	21	9·7	15·0	
9·1		13·2	26·1	
9·8		42·2	33·1	
10·2		53·7	53·4	
10·2		55·7	42·8	
8·6	22	7·7	59·7	9·0 –
9·8		10·7	37·8	
9·4		19·7	26·4	
10·2		27·7	27·9	
9·4		39·7	11·0	
10·2		41·7	53·0	
9·1		53·7	42·8	–
	+1	27·5	+7·5	

9601—9660.

mag.	22h. m	s	—36° ′	
9·0	23	9·2	7·9	
9·2		9·7	38·6	
10·0		29·7	8·9	
9·9	24	40·7	15·4	
9·0	25	3·7	33·6	8·5 –
9·9		39·7	14·4	
9·9	26	5·2	30·9	
7·8		18·2	5·0	8·0
10·2		30·7	25·7	
8·4		51·2	14·8	7·5 G–
10·2	27	29·2	36·7	
8·6	28	14·7	27·4	
9·9		24·7	38·9	
10·2		43·4	1·1	
9·9		53·2	21·9	
9·6		57·7	13·8	
8·8	29	30·7	6·2	9·5
8·8		40·0	8·1	9·0
10·2		41·7	40·6	
8·7		42·7	6·0	9·0
10·2	30	31·7	58·1	
9·2		35·9	34·3	
9·4		38·2	18·8	
9·8	31	13·7	22·5	
10·2		19·7	31·9	
9·4		20·7	24·9	
9·4		27·2	17·0	
10·0		49·5	6·4	
10·6	32	38·0	49·1	
9·0	33	36·0	7·1	9·0
8·6	35	34·0	27·5	–
8·4		38·0	0·1	9·0 G
10·4		40·0	56·5	
9·2	36	20·0	37·3	9·5
10·6	37	24·5	12·1	
10·6		50·0	13·9	
10·6	38	0·5	40·1	
9·6		29·5	16·2	
10·0		44·0	34·7	
10·2	39	6·5	0·1	
9·2		20·0	47·9	9·0 –
9·6		35·5	35·2	
9·8		53·0	5·3	
9·0	40	29·5	10·7	8·5 G
10·0		48·5	53·3	
10·2		56·4	6·6	
10·4		59·4	54·2	
9·6	41	13·9	20·3	
10·2		15·4	43·6	
10·6	42	32·3	2·3	
10·6		57·9	3·3	
10·4	43	13·4	3·2	
8·6		15·5	57·4	–
8·4		22·9	39·2	8·0 G–
9·8		32·9	3·6	10·0
10·2		36·9	17·1	
10·6	44	2·9	14·0	
10·2		26·1	3·4	
10·0		28·4	13·4	
10·2		32·9	1·2	
	+1	25·9	+7·8	

9661—9720.

mag.	22h.–23h. m	s	—36° ′	
7·4	44	43·4	33·0	7·0 GS=
9·2	45	55·9	45·4	9·0 –
9·0	46	20·4	29·1	
9·2		44·9	39·1	9·0
9·8		57·9	54·3	
10·2	47	1·9	20·8	
9·4		10·5	57·2	
10·0		39·1	0·4	
10·0		44·9	34·4	
10·6		52·9	51·0	
9·2	48	48·4	50·0	
10·0		48·4	50·7	
10·4	49	26·4	40·8	
10·0	50	5·9	3·5	
10·6		21·9	47·6	
9·2		40·4	25·6	
10·6	51	2·4	27·0	
10·6		20·4	34·0	
6·8		36·9	11·4	6·5 GStπ
9·8	52	11·4	52·6	
10·2		31·9	15·0	
9·8		37·4	36·8	
10·6	53	14·4	14·8	
9·4		50·9	8·2	
9·8		57·4	41·6	
9·2	54	43·4	44·8	9·5 G–
10·6	55	30·4	8·7	
10·6		40·9	50·8	
10·6		46·9	41·4	
9·6	56	5·9	9·9	
10·0		39·4	45·3	G
10·7	57	2·3	43·0	
9·2		53·1	20·0	G
8·2		56·1	34·0	7·5 GS
10·0	58	29·1	17·1	G
10·2	59	21·6	31·1	
9·4	0	26·9	57·6	G
8·8		41·1	44·8	8·5 G–
10·2	1	5·6	4·0	
10·0		11·1	11·6	
9·8		16·6	17·6	9·5
9·6		24·6	50·8	
9·4	2	22·6	6·7	
10·2	3	8·6	58·2	
8·6		24·6	4·6	7·5 G=
10·2		38·6	9·4	
10·2	4	6·6	40·5	
10·2		26·0	59·8	
10·2		55·1	52·9	
9·8		55·6	27·1	
9·8		59·6	28·1	
9·5	5	6·6	34·9	10·0
10·0	6	15·6	19·9	
9·0	7	5·1	53·5	9·2
8·8	8	30·6	23·5	9·5
10·2	9	1·6	35·7	
8·4		9·6	23·9	8·5 =
8·4		15·1	21·9	8·0 –
8·8		51·6	2·5	9·5 –
10·2	10	6·1	31·1	
	+1	23·6	+8·0	

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9721—9750.

mag.	23h. m	s	—36° ′	
10.2	10	39.6	34.3	
8.8		55.6	43.6	9.0 –
10.2	11	5.6	48.1	
9.8		6.6	44.1	
9.5		11.6	50.7	
10.2		36.6	15.1	
9.8	12	9.6	48.2	
9.8		10.6	52.1	
7.8		36.6	48.7	8.0 G–
10.2	14	0.6	53.3	
8.8		44.6	40.1	9.0 G–
9.6	15	38.6	20.5	
9.8		44.1	4.9	
9.2		54.6	43.9	9.0 –
10.2	16	20.6	59.1	
9.6	17	24.1	23.7	
9.6	18	7.6	26.9	
7.4		29.6	52.3	8.0 GS–
10.0		39.6	15.8	
9.8	19	1.6	13.9	
10.2		14.6	17.5	
9.0		21.6	30.2	
9.4		25.1	3.8	
9.2	20	35.7	52.0	
10.0		46.2	23.1	
10.0		51.7	17.4	
8.6	21	4.7	18.4	9.0 –
7.3		18.6	13.9	6.5 GStπ
9.2		35.4	34.6	
9.4	22	4.0	25.1	
25pr.	+ 1	21.4	+ 8.2	

9751—9780.

mag.	23h. m	s	—36° ′	
10.0	22	41.5	45.5	
10.0		50.1	0.1	
9.0	23	9.0	31.1	9.5
9.6		34.0	19.3	
9.2		34.2	1.7	9.0
9.6	24	19.0	56.9	
8.2		53.6	58.6	8.0 GS–
10.0	25	43.0	30.9	
10.0	26	9.0	13.7	
9.4		31.9	9.0	
10.0		44.4	18.9	
8.8		45.4	27.7	
9.2		49.9	27.9	
7.0	27	4.4	57.3	7.0 GS–
8.2		6.4	12.0	9.0 G–
10.0		13.9	34.4	
9.6		29.9	49.9	9.5 G
10.0		39.4	33.3	
10.0		47.4	25.8	
9.2	28	29.4	36.7	
10.0		50.4	1.7	
10.0		59.4	34.6	
8.4	30	0.4	2.7	8.8 –
10.0		17.8	13.9	
9.6	31	6.0	52.2	G
10.0		17.0	47.5	
8.6		21.5	34.1	8.8 –
10.0		39.0	53.3	
10.0		54.0	4.0	
10.0	32	3.5	23.0	
	+ 1	20.3	+ 8.3	

9781—9809.

mag.	23h. m	s	—36° ′	
10.0	32	10.5	28.9	
9.0		39.5	18.9	
10.0	33	5.5	4.4	
9.0	35	18.5	40.0	
9.0	36	8.5	23.0	
9.0	37	33.5	56.5	9.2
10.0		54.5	48.2	
10.0	38	50.5	41.1	
10.0	39	28.5	2.2	
10.0		29.5	16.9	
10.0		37.5	23.7	
10.0	40	1.0	42.2	
8.8		8.0	34.1	9.5
8.8		13.5	41.2	
9.6	41	0.5	18.9	
10.0		14.5	34.3	
10.0	42	4.5	34.7	
9.6		13.5	55.4	G
9.4		23.0	8.8	
8.8		31.5	31.7	
9.2	43	50.7	40.2	8.5 G–
9.0	44	8.2	16.5	
9.8		8.7	5.2	
10.0		18.2	40.0	
7.6		51.7	43.6	8.0 G
10.0		52.2	18.2	
9.2	45	3.7	31.7	
9.2		3.7	52.0	
9.6	46	19.7	31.8	
	+ 1	18.9	+ 8.3	

9810—9838.

mag.	23h. m	s	—36° ′	
10.0	47	28.0	15.8	
10.4	48	48.5	25.3	
10.0	49	12.0	46.0	
10.4	50	5.0	52.8	
10.0	52	22.0	38.4	
9.2		51.0	44.1	
10.2		59.5	57.3	
10.0	53	31.5	50.4	
8.9		44.5	39.4	8.0 GS–
9.0		48.0	41.3	8.5 G
9.2		51.5	37.0	
10.4		58.4	23.9	
10.0	54	0.5	48.9	
10.4		40.5	59.8	
10.2		52.5	33.3	
10.4	55	5.0	55.2	
9.4		22.0	54.7	9.0
10.4		38.0	19.3	
8.6	56	54.5	14.9	9.5
8.4	57	0.0	39.7	
6.8		1.0	56.9	7.5 GSct
9.2		3.5	32.3	
8.9		7.0	17.9	8.5
10.2		22.0	31.1	
10.0		51.5	55.0	
7.6	58	37.5	42.8	8.0 GS–t
9.2	59	9.5	11.9	
10.4		20.5	12.1	
10.4		47.5	7.1	
	+ 1	17.4	+ 8.4	

ZONE — 37°.

1—30.

mag.	0h. m	s	—37° ′	
9.8	0	2.5	50.5	
10.4		25.5	18.1	
10.4		33.5	46.1	
10.4	1	29.0	37.5	
8.2	2	26.0	26.2	8.5 G
9.6		44.5	20.7	G
9.6	6	15.7	10.9	
10.4		19.7	55.0	
10.4	7	18.2	43.0	
10.4		21.2	19.0	
10.2		29.7	0.0	
10.2	8	58.7	17.7	
9.4	9	7.2	24.8	
8.4	10	10.7	29.4	8.5 G
9.8		51.7	22.4	
9.4	11	29.7	35.4	G
7.5	12	2.2	12.2	6.5 GSct
10.0		22.7	54.0	
10.4 -		46.2	46.6	
8.7	14	14.9	37.7	9.0
8.6		34.9	10.3	8.5
9.8	15	59.9	7.7	
9.6	16	0.4	42.6	
9.6	17	7.4	39.8	
9.8		11.6	0.7	
9.8		21.9	53.1	
9.8	18	22.4	51.0	
9.5		25.4	11.5	
9.5		25.9	29.6	
9.8	19	23.4	7.8	
25pr.	+1	15.6	+8.3	

31—60.

mag.	0h. m	s	—37° ′	
9.8	20	16.4	7.6	
9.8		39.9	14.0	
9.0		54.9	15.5	9.0
9.2	21	4.4	5.9	8.8
9.8		39.9	42.0	
9.5		55.9	24.1	9.5
9.2	22	14.9	51.1	
9.0		30.9	42.1	9.0
9.6		34.9	23.4	
9.8		40.1	36.9	
9.8		53.4	32.1	
9.8	24	50.4	38.7	
8.2	25	19.9	53.5	8.0
9.6		29.9	58.5	
9.2		38.4	34.0	8.5
9.8	26	28.9	11.9	
9.8		39.9	6.5	
8.8		58.9	37.0	8.0 G
9.8	27	1.9	4.7	
8.2		19.9	28.7	7.5 G
9.0	28	20.4	19.1	
9.6		49.9	53.6	
9.8		59.4	38.4	
9.6	29	17.4	55.0	
9.8		29.9	25.5	
8.7	30	3.0	37.3	8.5
7.4	31	11.9	58.6	6.5 GS
9.8		42.0	17.6	
9.5		50.5	6.5	
9.2	32	46.0	8.6	8.5
	+1	13.9	+8.3	

61—90.

mag.	0h. m	s	—37° ′	
9.6	34	20.0	42.1	
9.6	36	0.0	56.9	
9.8		49.2	33.2	
9.3	37	20.5	24.1	
9.2	38	4.2	7.0	
8.7		31.0	31.6	9.0
8.8		35.0	21.4	8.5
9.8		35.1	37.7	
9.8 -		38.0	1.4	
10.0	39	29.6	16.2	
9.2		43.4	58.3	
9.4	41	28.5	2.1	9.0
8.0		32.8	36.8	8.2 GS
10.0	43	48.8	40.2	
10.0	45	44.2	1.1	
10.0	46	14.8	58.4	
8.0	47	58.8	45.4	9.0
9.2	48	13.8	5.0	
9.4		45.8	53.6	
9.8	49	20.2	20.6	
9.4		38.7	18.0	
10.0		40.2	38.6	
9.2	50	49.2	53.6	
8.4	51	18.2	6.6	8.5 G
9.1		39.2	7.7	8.5
9.6		43.2	21.0	
8.8	52	18.2	55.6	
9.1		32.2	44.1	
9.6	54	15.2	53.6	
9.6	56	12.2	32.1	
	+1	11.7	+8.2	

91—120.

mag.	0h.–1h. m	s	—37° ′	
9.8	56	53.2	35.8	
8.2	57	0.2	59.1	7.5 GS
8.3		0.7	57.4	8.5 GS
10.0		28.2	19.4	
10.0		30.8	1.8	
9.6		39.7	9.4	
10.0	58	24.2	32.3	
8.4		30.2	58.4	8.5
8.8		52.7	15.6	
9.5	0	0.2	48.8	
10.0		9.2	6.9	
9.2		24.0	56.6	
9.8		29.7	25.1	
8.6		38.2	36.2	9.0
9.6	2	47.2	34.1	
9.5		52.0	44.7	
9.6 -	3	52.5	54.3	
9.6	4	5.0	49.5	K
8.2		19.0	12.7	7.5 G
9.2	5	17.8	18.2	8.5 G
9.4	6	15.8	7.2	
9.2	7	16.3	11.9	
9.4	8	28.8	15.3	9.5
7.8		38.3	40.2	8.0 GS
9.2	9	33.2	59.1	8.5 G
9.6		38.8	20.2	
9.6	11	25.6	0.2	
8.8		33.2	56.3	9.5
8.2		38.8	55.9	7.5 GSt
8.0	12	8.8	11.5	8.5 G
	+1	9.9	+8.0	

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121—180.

mag.	1h. m s	—37° ′	
9·8	12 9·8	50·3	
9·8	13 30·0	13·1	
8·9	15 28·3	33·3	
9·0	37·8	25·8	
6·6	16 28·8	42·3	7·0 GSct
9·6	54·3	18·1	
7·2	17 0·3	15·0	7·0 GSct
9·4	44·3	12·6	9·5
9·0	18 8·3	22·8	
9·0	20 34·3	9·4	9·0
8·2	21 9·5	2·0	8·8 –
9·6	22 7·8	17·3	
9·8	19·8	25·9	
9·2	50·3	56·4	
8·0	23 11·3	28·9	7·5 GS
8·0	24 24·5	4·3	8·0 –
8·9	26 40·5	45·5	
8·6	49·5	55·8	9·0
9·1	27 11·5	10·7	
6·4	20·5	30·4	6·0 GStπ
9·2	29·3	30·1	
9·2	34·5	3·3	9·5
7·8	42·3	57·7	8·5
9·9	28 17·4	8·1	
9·9	32·5	28·0	
8·2	30 24·5	5·5	7·5 G
9·0	35·0	56·1	8·5 G
8·8	38·0	55·9	9·5 G
9·4	31 6·0	48·0	
9·8	32 31·5	26·7	
9·0	49·0	45·7	
6·6	54·0	9·6	6·5 GStπ
9·9	34 38·5	47·0	
7·9	35 2·5	6·7	8·0 GS–
9·8	23·0	3·9	
9·7	26·0	35·7	
6·1	36 32·0	27·7	6·0 GStπ
9·8	40·5	51·0	
9·9	54·5	35·0	
9·9	37 39·0	12·6	
8·5	38 20·5	54·2	
9·8	23·5	45·6	
9·7	52·5	20·2	
9·6	58·5	56·0	
9·8	39 20·0	45·0	
9·0	29·0	4·4	9·5
9·9	41 3·5	19·4	
6·8	42 20·0	47·0	7·0 GStπ
9·0	59·0	28·4	
9·2	43 1·0	3·2	9·0
9·9	45 46·0	59·5	
9·8	46 16·0	25·4	
7·1	26·5	39·8	7·5 GS
9·9	47 50·7	10·3	9·5 G
9·8	48 16·5	15·5	
7·8	52 18·5	35·2	8·5
9·9	19·5	26·3	
8·6	42·0	30·8	9·0
9·9	49·3	8·6	
9·9	53 4·0	25·5	9·0
25pr.	+1 6·7	+7·7	

181—240.

mag.	1h.–2h. m s	—37° ′	
8·1	53 32·7	37·4	8·5 G
8·0	54 29·9	58·4	8·5
9·9	55 34·7	38·5	
9·4	56·2	41·0	9·5
9·3	57 29·7	31·1	9·0
9·9	37·7	24·4	
7·8	58 12·7	48·0	8·5 GS
9·6	59 9·2	7·7	
9·8	1 15·0	0·2	
8·1	18·7	42·8	7·5 GS
9·2	2 39·7	1·3	9·0
7·9	4 48·4	58·4	8·5 G
9·4	48·7	35·2	
9·8	54·7	21·6	
9·8	5 59·9	55·8	
9·8	6 2·9	15·0	
9·8	29·4	47·9	
9·9	56·4	31·5	
9·7	8 19·9	9·9	
9·7	57·9	43·5	G
9·7	9 3·4	1·9	
8·6	3·9	41·5	8·5 G
9·9	10·2	47·3	
9·1	13·9	40·5	9·5 G
9·4	50·9	7·9	
9·8	56·4	54·1	
9·9	10 15·9	7·9	
9·8	44·4	51·4	
7·7	45·4	3·0	7·5 G
8·8	11 34·9	0·9	
8·8	12 8·4	42·9	9·0
9·9	26·4	23·2	
9·9	30·9	38·1	
9·8	13 15·9	21·6	
9·3	54·4	27·9	
9·9	15 3·4	8·0	
9·9	16 9·4	52·1	
8·2	9·9	34·6	8·5 G
9·8	10·9	4·8	
9·4	14·4	53·6	
9·3	24·4	47·0	
9·9	17 32·9	44·9	
8·5	34·9	3·6	8·2 G
9·4	58·9	19·2	
9·3	18 23·5	40·8	
9·9	48·4	49·4	
9·6	54·9	6·6	
8·8	56·2	53·9	9·2 G
9·8	19 1·4	31·5	
8·5	6·2	28·6	
9·9	16·5	33·7	
6·9	17·4	55·7	7·0 GS
9·9	22·4	48·9	
9·0	29·6	42·3	
8·3	20 36·1	51·7	8·3 G
10·0	21 22·6	4·0	
9·4	34·6	42·1	
9·0	51·6	30·2	9·5
9·8	22 31·6	31·5	
7·8	38·6	15·2	8·5 G
	+1 2·8	+7·0	

241—300.

mag.	2h. m s	—37° ′	
8·8	22 39·1	34·3	
8·8	23 52·6	20·4	9·0 G
10·2	54·6	50·2	
9·4	26 22·1	10·3	
10·1	44·6	22·4	
9·0	45·1	28·7	9·0 G
9·4	50·1	34·7	
8·6	27 1·1	42·7	G
9·8	6·1	24·2	
8·2	56·6	44·5	8·5 G
9·4	28 8·1	26·0	
8·2	30·1	57·6	7·5 G
8·8	29 29·1	57·4	8·5 G
9·2	30 10·1	46·1	
9·2	29·6	32·8	
10·1	35·1	23·6	
8·3	31 2·4	59·9	8·5
10·1	6·6	54·7	
9·8	8·1	38·2	
9·2	31·1	51·7	9·0
9·4	32 19·1	40·6	
8·4	32·1	31·1	8·5
9·4	32·1	39·5	
9·8	33 31·2	29·8	9·0
8·2	34 19·2	28·4	8·0 G
7·9	38·2	25·4	7·5 G
10·2	41·6	1·0	
10·2	42·2	39·6	
10·1	59·2	8·0	
9·8	35 19·2	47·0	
8·0	27·6	2·0	7·5 G
10·2	28·2	6·0	
9·1	46·7	15·0	8·5
8·8	36 1·7	28·4	
9·4	42·7	53·6	
9·4	37 27·7	53·4	
10·2	38 8·2	21·4	
9·6	19·2	34·8	
10·2	22·2	53·8	
9·8	26·2	17·4	
9·2	58·2	0·8	
9·8	39 8·2	45·0	
10·2	14·2	55·2	
9·4	21·2	53·9	
9·4	24·7	44·8	
9·4	40 14·2	31·0	
9·8	27·2	18·0	
10·1	41 19·2	15·4	
7·8	24·2	26·2	8·0 G
8·4	28·7	12·3	8·5 G
9·4	44·2	40·0	
8·2	57·2	52·2	8·0 GStπ
10·1	42 29·7	22·1	
9·4	49·7	30·9	
7·4	43 7·7	30·3	
6·4	38·7	55·6	7·0 GStπ
9·4	50·5	3·9	
9·6	44 46·5	29·9	
8·6	53·7	35·2	8·0 G
10·2	59·7	41·4	
	+1 0·8	+6·5	

301—360.

mag.	2h.–3h. m s	—37° ′	
10·4	45 7·8	49·8	
9·0	58·8	55·2	8·5 G
8·8	46 12·8	14·9	G
10·0	38·8	58·0	9·0
9·8	47·5	22·6	
10·0	51·0	39·1	
10·4	55·0	48·4	
8·3	47 46·0	21·5	8·0 G
10·4	49·0	31·2	
10·4	48 31·0	44·0	
10·2	49·5	37·0	
8·8	59·5	27·9	
9·8	49 27·5	55·0	
8·8	34·0	25·0	
8·2	51 46·0	12·2	7·5 GS
9·0	54 15·0	22·0	9·0 G
9·6	43·0	40·9	
8·0	55 25·8	57·2	8·5
9·0	38·0	3·8	
10·2	53·5	37·8	
9·4	56 14·0	6·4	9·0
10·4	39·0	46·5	
10·4	57 7·5	2·2	
8·8	14·5	23·4	
10·4	24·0	45·0	
10·4	58 1·5	56·3	
10·0	34·0	8·8	
10·4	52·0	28·6	
9·0	59 44·0	27·0	9·0 G
10·0	0 20·5	9·9	9·5
8·8	53·5	24·6	
6·8	1 0·5	49·4	8·0 GSt
10·4	24·0	31·0	
9·5	32·5	15·6	
9·2	46·0	28·4	
10·4	2 9·5	46·6	
9·6	3 8·0	42·6	
9·6	16·5	3·2	9·5
9·4	59·0	39·0	
8·8	6 1·5	39·3	9·0
10·4	3·3	6·0	
9·6	7 9·0	33·2	
9·2	14·0	8·0	
10·4	55·0	9·0	
10·4	8 1·0	22·6	
9·6	4·0	54·2	
8·0	11·7	25·8	
8·8	29·0	13·1	
10·4	51·5	54·1	
10·4	10 10·5	43·1	
10·4	20·5	17·1	
10·2	26·0	16·5	
7·8	28·1	30·3	
9·4	54·3	41·8	9·0
9·6	11 14·8	53·2	
10·0	12 39·3	25·7	
10·0	50·8	33·7	
10·0	13 33·3	48·1	G
7·6	14 32·8	1·4	7·8 G
7·5	15 48·3	13·5	8·0 G
	+0 58·6	+5·9	

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361—420.

mag.	3h. m	s	—37° ′	
8·4	16	13·3	54·1	7·5 G
8·6		41·8	27·3	
9·2	17	16·3	4·6	8·8 G
9·6		30·8	5·0	9·5
8·4		59·3	1·5	8·5 G
10·0	19	9·3	41·5	
8·0		13·6	36·7	7·5 GS
8·8		17·1	43·7	8·5
8·6		55·1	40·1	9·0
9·5	20	15·4	57·7	
6·7		27·6	35·5	7·5 GS
10·0	22	10·1	55·0	
9·8	23	0·1	28·9	
9·2		35·1	52·8	
9·4	24	40·1	26·5	9·0 G
10·0	25	23·1	0·0	
7·2	26	9·1	47·9	7·5 G
9·0		40·1	3·0	
9·4	27	29·1	20·8	9·5
9·5		29·1	14·0	
10·0		49·1	39·0	
8·8	28	40·1	31·6	9·0 G
8·8	29	54·1	39·1	
9·6		58·6	27·3	9·0
9·5	30	59·1	28·4	
9·5	33	23·1	37·9	
10·0		34·1	10·1	
8·2		40·4	2·1	9·0
8·3		43·6	40·9	8·0
10·0		49·1	11·6	
9·2		52·9	5·3	9·5
10·8	34	29·2	51·6	
9·8	35	12·9	45·0	
10·8		28·7	24·4	
9·4	36	26·5	3·9	
10·6		39·7	58·9	
10·1		57·5	14·5	
9·0	37	10·0	19·5	8·5 G
10·8		11·0	35·6	
5·9	38	12·0	42·5	5·0 GStπ
7·2		28·0	26·3	
10·4		45·3	57·7	
9·0	39	0·0	17·0	
10·8		12·0	25·5	
10·8		12·5	6·6	
10·8		17·0	58·9	
9·8		19·3	59·9	
10·2		25·0	13·6	
9·0		30·0	16·9	
10·6	41	12·0	39·5	
10·8		15·5	9·0	
10·8		21·0	21·2	
9·8		33·5	54·5	
10·3		37·7	2·7	
10·4	42	6·5	29·0	
9·2		8·5	53·1	
10·8		34·5	46·6	
9·0		55·0	8·0	8·3 G
10·8	43	1·0	0·0	
10·8		6·8	54·4	
25pr.	+ 0	56·2	+ 5·0	

421—480.

mag.	3h.-4h. m	s	—37° ′	
10·8	43	14·8	32·0	
10·8		45·3	26·0	
10·8	44	47·8	11·1	
10·0	45	54·8	36·9	
10·3		55·8	7·8	
10·8	46	18·8	19·3	
10·6		32·3	34·6	
10·8		42·8	7·9	
10·8		53·3	58·4	
9·2	47	31·8	6·4	
8·4		47·3	53·8	8·2 G
10·2	48	1·3	12·4	
10·8		2·3	29·0	
9·4		12·8	46·6	9·5
10·4		45·8	20·4	
10·3	49	20·6	9·9	
10·6		29·6	43·9	
10·2		50·1	1·2	
9·2		53·6	37·9	
10·4	50	13·6	34·5	
10·4		45·1	23·7	
10·8		59·6	55·7	
10·8	51	16·6	48·5	
9·2		31·1	43·1	
10·8		38·6	52·0	
10·2		39·6	57·5	
10·4		50·6	22·7	
10·2	52	28·6	14·1	
10·8		50·1	10·1	
10·0	53	27·4	14·3	
10·8		41·4	48·8	
9·0		57·4	9·2	9·0
10·0	54	3·4	6·2	
10·8		5·4	39·8	
10·0		31·4	36·9	
10·4	55	4·4	41·9	
10·8		15·9	56·2	
9·2		35·4	19·9	
10·0		36·9	56·2	
10·3		57·4	44·1	
10·2	56	1·4	27·9	9·0
10·8		45·9	27·8	
9·6		49·4	10·0	
10·8	57	40·9	18·1	
10·8		58·2	27·4	
8·6	58	27·2	4·6	8·8
10·8		37·7	59·5	
10·4	59	2·9	33·8	
7·3		11·2	24·7	7·0 GS
10·8		20·7	27·2	
10·8		38·7	58·3	
10·8		38·7	33·0	
10·6	1	17·2	8·2	
9·2		32·9	50·2	9·0
7·0	3	3·9	23·8	7·0 GS
10·8		58·9	57·8	
10·8	4	24·4	11·2	
10·6		29·4	56·1	
10·8		51·9	26·0	
10·8	5	1·4	26·0	
	+ 0	55·0	+ 4·4	

481—540.

mag.	4h. m	s	—37° ′	
9·6	5	18·4	41·0	9·0
9·8		38·9	27·6	
10·8	6	2·9	15·8	
10·8		39·4	31·4	
10·0	8	6·4	35·0	
9·0		20·4	51·1	
10·4		43·4	21·0	
10·8	9	13·9	51·5	
10·2		14·4	19·0	
9·4		23·4	22·3	9·0
7·6		26·4	20·8	7·0 GSct
9·8		50·4	18·0	
10·6	10	23·4	59·0	
6·3		40·9	30·6	7·0 G
10·2	11	30·4	21·0	
9·0	12	29·0	3·7	9·5
8·8		48·5	9·5	9·0
10·6		54·0	10·9	
9·8	13	44·0	34·9	
9·6	14	45·0	51·9	9·5
9·8		51·5	21·9	
9·8	15	10·0	43·9	
10·8		20·5	44·3	
10·8	16	12·5	1·0	
8·4		44·0	49·9	8·0 G
9·4	18	26·5	33·2	9·0
9·8		28·5	47·2	
9·6	19	7·5	4·9	
9·8		19·5	33·2	
10·8		48·5	15·1	
10·8	20	2·0	29·6	
10·6		9·0	4·3	
9·0		12·5	54·0	8·5
8·8		14·0	6·4	9·5
9·6		25·0	6·3	
10·8		30·0	22·7	
9·8		42·5	42·2	
9·0	21	10·0	33·8	
10·4		51·0	25·0	
10·8	22	24·1	58·0	
9·6		32·6	15·8	
9·0		44·1	52·9	
9·0	23	0·1	3·0	9·3
10·4		23·6	18·2	
9·0		49·1	56·6	9·0
7·9	24	1·6	53·2	8·0 GSt
10·0†		9·4	58·5	
10·4		37·1	21·5	
10·1†		48·6	59·4	
9·0	25	33·2	17·7	
9·6		49·1	17·0	8·5
10·8		57·7	0·4	
10·4	26	8·2	45·4	
9·0		12·1	0·3	9·2
10·0		12·6	38·5	
8·0		25·7	8·7	7·5 GSt
10·8		45·7	57·2	
8·9		45·7	51·0	8·5
10·6	27	58·7	4·8	
9·0	28	42·2	12·6	8·5
	+ 0	53·6	+ 3·5	

541—600.

mag.	4h. m	s	—37° ′	
10·4	28	49·8	55·0	
10·6		52·8	49·1	
9·3	30	28·8	40·1	
10·8		38·3	31·1	
10·8		48·8	6·7	
10·0		54·8	5·5	
10·8	31	27·8	18·5	
10·8		40·3	31·0	
10·6	32	0·3	14·9	
10·6		9·3	18·1	
9·0	33	9·3	42·9	8·5 G
10·8		19·3	20·7	
10·6		50·8	34·9	
10·4	34	30·3	49·9	
8·6		31·3	34·7	8·5
10·6	35	58·8	32·7	
8·9	37	25·9	25·7	8·0 GSt
10·8		30·9	40·7	
5·2		38·9	23·3	5·0 GStπ
6·5		45·4	51·1	7·0 GS
9·8		45·9	44·0	
10·8	38	10·4	7·1	
9·8	39	32·9	20·2	
10·0		43·4	35·7	
10·2	40	13·9	10·7	
10·0		17·9	20·9	
10·4		23·1	0·9	
10·8		49·9	22·9	
9·8	41	0·9	43·0	
9·8		9·4	43·1	9·0
8·4	42	9·4	40·9	GSt
10·8		18·4	26·1	
10·2	43	9·4	29·3	
10·4		51·9	1·9	
10·0		54·9	29·1	
8·2	44	13·9	39·1	8·5
9·8	45	17·9	35·9	
8·6		57·4	18·1	8·5
10·6	46	26·9	55·4	
9·8		37·4	54·9	
10·4		49·9	48·2	
9·8	47	48·1	1·0	9·5
10·0	48	24·4	24·2	
10·8		47·9	10·6	
9·8		51·9	17·1	
10·0	49	52·6	37·4	
10·8	50	39·1	19·4	
10·6		41·9	42·8	
10·8	51	45·9	6·6	
10·4	52	3·1	25·2	
10·4		10·3	45·8	
10·6		12·0	6·9	
10·2		28·8	29·6	9·5
9·8		30·3	56·9	
9·4	53	23·3	31·4	
10·0	54	19·3	34·5	
10·4		28·8	22·0	
6·8		58·3	3·8	7·0 GS
8·4	55	35·3	0·2	8·8 G
10·6		44·8	5·5	
	+ 0	52·6	+ 2·8	

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601—660.

mag.	4h—5h m	s	—37° ′	
10·4	55	54·0	1·2	
9·8	56	55·8	59·7	
10·6	57	10·8	18·6	
7·5		31·3	9·5	7·7 GSt!
8·4		34·8	13·3	8·5
10·0		44·3	49·3	
10·4		49·3	38·9	
10·4		58·8	42·9	
10·0	58	4·8	32·0	
9·4		30·3	31·5	
9·8		42·3	27·9	
10·6		56·3	8·2	
9·2	59	28·3	51·0	
10·0		50·3	11·8	
10·4	0	3·8	31·1	
8·9		11·3	32·0	9·5
10·2		13·3	43·9	
10·0		47·3	18·9	
9·8		47·8	0·5	
9·4	1	47·8	48·6	
8·4	2	30·8	21·1	8·0 G
9·1		48·8	52·1	8·5
10·6	3	16·8	36·3	
8·9		30·3	48·2	
9·2		36·8	31·4	
8·8	4	6·8	46·4	
10·6		14·3	27·6	
10·6	5	8·3	11·9	
9·4		20·8	28·7	
9·8		29·3	33·6	
9·8	6	1·0	57·0	
10·6		13·3	33·6	
10·6		14·8	3·7	
9·0		15·1	56·9	
10·6		16·8	56·0	
10·6		22·8	12·9	
10·2		26·8	58·7	
9·1		31·0	58·4	
9·6		38·8	3·0	
7·9	7	16·8	32·8	7·0 GS
10·0		23·4	56·7	
10·0		45·3	23·6	
10·0	8	13·8	17·1	
10·6		15·3	11·8	
8·4		43·8	34·0	
10·6		56·8	47·0	
10·4	9	12·3	22·7	
9·8		20·3	54·3	
10·2	10	6·8	50·6	
9·4	11	2·8	32·0	
10·4		18·8	8·9	
9·6		39·8	18·2	
10·6		53·5	58·1	
9·8	12	4·8	28·2	
10·0		9·3	5·7	
7·9		11·3	42·7	
8·7		27·8	15·7	9·0
9·2		30·3	31·1	9·0
9·8		45·8	2·1	
8·4		59·8	7·7	8·5
25pr.	+0	51·9	+2·0	

661—720.

mag.	5h m	s	—37° ′	
8·8	13	22·8	45·1	8·5 G
9·1	14	19·8	39·5	9·0
9·6		39·8	28·1	8·8 G
9·1		41·3	5·4	
9·8		48·8	46·0	
10·0		51·3	48·3	
9·4	15	29·6	46·0	
8·9		46·3	23·7	8·0 G
9·6		49·0	10·4	9·5
9·4		51·3	16·0	
10·0	16	9·3	47·0	
9·8	17	4·3	56·3	9·0
10·0	18	4·0	58·5	
9·2		17·3	31·9	
9·8		40·3	42·1	
9·8		40·3	24·9	
9·6	19	4·3	31·9	
7·2		20·3	27·1	7·0 GStπ
9·9		31·3	5·0	
9·9	21	22·8	35·6	
9·6		24·3	7·5	
8·4		30·3	25·6	
8·7		44·3	6·2	
9·8		59·3	9·8	
10·0	22	19·3	44·7	
9·2		21·3	25·0	8·5 G
9·9		26·3	23·5	G
9·6		39·3	0·1	
9·6	23	28·3	0·3	
10·0		41·3	5·2	
10·0		52·8	3·4	
5·9		57·3	20·1	6·0 GStπ
10·0		59·1	58·9	
9·8	24	8·3	33·5	
10·0		21·2	58·7	
9·2		38·8	48·4	
9·0	25	29·3	30·9	
9·2		49·3	30·5	
8·4	26	10·3	18·1	8·0 G
9·3		15·8	25·1	
10·0		18·3	25·3	
10·0		26·3	48·1	
9·3		45·3	50·2	8·0 G
9·6		45·3	33·2	
9·0	27	13·8	20·5	8·5
9·9		19·3	51·6	
9·3		25·3	52·2	
9·9		27·8	6·0	
10·0		29·3	5·3	
9·4		44·3	44·9	
9·3		48·3	42·7	
9·9		58·8	30·1	
9·6	28	44·3	44·4	
9·9		46·0	57·5	
8·4	29	6·0	48·1	
9·4		6·5	38·5	
9·9		7·0	19·5	
8·5		13·0	38·1	8·5
9·9		29·5	51·4	
9·4	30	2·5	27·8	
	+0	51·5	+ 1·3	

721—780.

mag.	5h m	s	—37° ′	
8·7	31	4·5	37·5	
9·8		19·5	49·8	9·5
9·1		37·0	55·7	9·0
9·6		38·5	53·1	
9·8		44·5	11·7	
8·8		59·3	59·3	9·5 G
9·6	32	32·5	18·5	
8·8		42·5	17·1	8·5
9·9	33	59·5	56·3	
9·2	34	16·5	50·7	8·5
9·9		18·5	51·9	
9·6		25·5	10·1	
9·6		27·5	30·9	
9·4		37·0	15·1	
9·9		37·5	58·2	
8·7		38·5	49·8	8·5
8·4		48·5	44·9	9·0
9·9	35	1·0	41·1	
9·2		9·5	18·4	
9·9		16·5	10·5	
9·2		24·5	43·9	9·0
10·0	36	23·2	32·6	
9·6		34·7	45·8	
9·4	37	14·2	28·2	9·0
10·0		45·2	54·8	
9·8		54·7	46·8	
10·0		59·7	2·2	
8·2	38	4·2	31·0	8·0 GS
8·7		10·7	25·6	9·5
9·9		25·7	41·7	
9·9	39	1·7	28·8	
8·0		25·7	46·0	8·5 G
9·9		30·7	27·1	
9·0		36·2	54·2	10·0
10·0		52·7	32·1	
9·6		57·2	32·0	
10·0	40	6·2	11·8	
9·4		42·8	33·5	
9·3		44·8	41·9	
9·8		52·8	29·9	
10·0	41	0·8	54·8	
9·9		28·1	59·1	
8·7		37·9	5·7	
8·8		50·6	53·5	9·0
10·8	42	11·9	26·6	
9·4		28·4	22·9	9·0
10·8		58·9	31·6	
8·8	43	10·9	48·4	9·0
9·6		17·4	52·7	
10·4		20·4	39·6	
10·2		29·4	36·0	
10·8		52·4	47·0	
10·7	44	0·4	34·7	
9·9		47·4	40·1	
10·3		54·9	19·7	
9·1		58·9	33·1	8·5
7·1	45	8·9	13·3	8·0 GS
10·0		9·8	48·6	
10·7		9·9	59·1	
9·4		11·9	2·4	9·2
	+0	51·2	+0·8	

781—840.

mag.	5h m	s	—37° ′	
9·2	45	13·9	57·5	
10·8		24·4	12·7	
10·2		41·4	7·6	
10·4		45·9	18·8	
10·4		47·9	7·9	
9·3		49·9	47·2	
10·7	46	7·9	7·8	
8·2		13·4	39·4	7·0 GS
9·2		14·4	6·5	
10·8		18·4	36·9	
8·6		38·4	41·6	8·5
8·4		42·4	19·6	8·5
9·6	47	17·4	45·9	9·0
10·8		29·4	56·4	
10·8		30·4	49·3	
9·9		30·9	43·2	
9·6		50·9	20·5	
9·0		53·4	10·2	
9·6	48	1·4	37·9	9·5
8·0		4·4	44·0	8·0 G
10·0		9·9	49·9	
9·8		10·4	33·6	
6·8		18·4	39·5	6·5 GStπ
9·4		28·4	41·9	9·0
9·2		48·4	27·3	9·5
9·4	49	0·9	45·6	9·0
10·8		4·4	18·9	
10·4		19·2	45·3	
7·4		37·2	33·3	7·5 GSg
9·0	50	49·2	13·3	
10·8		54·2	33·2	
10·3	51	4·7	3·9	
10·2		12·2	7·0	
6·7		12·2	8·4	5·2 GStπ
9·6		49·2	20·5	
10·6	52	23·2	45·6	
9·4	53	14·7	52·0	
8·8		54·2	22·5	
10·8	54	16·7	3·7	
10·4		32·2	38·0	
8·3		38·2	0·2	8·5
10·8		39·2	41·6	
8·8	55	13·7	38·0	
9·4		30·2	11·9	9·0 G
8·6		35·7	4·2	8·8 Gg
8·8		59·2	37·3	8·5 G
8·3	56	8·5	2·3	8·5 Gg
10·2		19·2	23·5	
10·8		39·2	6·3	
7·6		44·7	4·5	7·5 GSg
10·8	57	19·2	7·4	
10·8		20·1	31·5	
9·0		29·7	37·1	
9·3		37·7	23·1	
10·4		54·7	41·9	
10·8	58	38·7	37·3	
7·2		48·2	32·7	GSg
9·0		59·2	57·8	
10·4	59	2·0	57·3	
10·0		30·7	34·2	
	+0	51·2	+0·3	

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841—900.

mag.	5h.–6h. m s	—37° ′	
10·8	59 35·2	14·1	
10·8	0 4·7	18·4	
9·6	32·4	59·3	9·0
10·4	48·2	53·2	
10·8	56·7	25·8	
9·8	1 20·7	24·2	
10·4	32·2	12·9	
10·2	44·7	56·9	
10·7	45·2	56·1	
9·4	2 0·2	41·5	
8·4	59·2	1·3	7·5 GStπ
7·9	3 1·7	10·9	7·5 GStπ
10·3	2·2	16·9	
9·9	10·7	13·7	
4·9	14·2	14·1	5·0 GStπ
9·9	14·2	22·9	
9·6	33·2	55·3	
10·8	43·2	22·1	
9·8	48·2	53·7	
10·8	4 4·7	25·3	
9·4	14·2	12·9	
10·7	34·7	56·5	
8·8	36·2	21·9	
9·4	5 8·2	6·1	
10·2	29·2	3·3	
10·6	34·2	20·1	
10·7	58·1	53·4	
8·6	59·7	49·7	
10·6	6 20·2	36·5	
10·2	7 14·2	37·2	
10·7	28·7	9·1	
10·1	8 4·0	7·5	
9·8	25·8	54·1	9·0
7·6	32·3	2·9	8·0 G
9·6	9 15·8	26·4	9·0
8·5	36·8	31·5	8·5
10·1	43·3	49·1	
10·1	10 23·3	7·2	
8·4	51·8	43·8	
10·1	54·3	3·7	
9·5	11 29·8	20·0	
9·5	41·5	42·9	
9·4	49·5	37·8	
9·2	12 15·0	45·5	
9·6	23·5	44·2	
10·0	24·0	49·1	
10·0	27·9	57·2	
9·8	29·0	9·8	
9·4	44·0	49·1	
7·1	46·5	41·7	6·0 GStπ
6·5	52·5	12·5	GSctπ
8·5	13 10·5	49·3	9·0
9·0	37·5	23·1	
9·5	58·5	38·0	
9·5	14 7·3	56·4	
10·1	25·5	45·1	
10·1	37·5	51·0	
10·0	39·5	15·7	
10·1	41·5	51·9	
10·1	43·0	20·1	
25pr.	+ 0 51·2	— 0·3	

901—960.

mag.	6h. m s	—37° ′	
10·0	14 44·0	29·9	
10·1	57·5	19·1	
8·4	15 4·0	24·6	8·5
10·0	16·5	11·3	
10·1	24·5	42·9	
9·4	29·0	0·0	
10·1	47·5	49·3	
10·0	16 11·4	18·8	
8·0	13·5	26·8	8·5
9·2	28·5	26·6	
8·2	38·0	26·1	8·0 G
9·6	17 23·5	43·1	
10·1	18 7·7	6·8	
9·8	9·2	43·1	
9·4	9·7	37·7	8·5
10·0	13·7	40·5	
8·8	15·7	55·3	8·5
9·6	50·7	9·7	9·8
9·2	52·7	51·1	
9·5	19 0·2	27·7	
9·6	14·7	24·7	
10·1	18·2	44·9	
9·5	21·2	40·7	
9·6	29·7	16·5	
9·0	34·2	54·9	
10·1	55·7	6·3	
10·0	20 3·7	39·9	
9·2	8·2	27·9	9·0
8·9	13·7	31·9	9·5 G
9·8	41·2	37·5	
10·1	21 3·7	40·5	
8·4	35·2	13·2	
9·2	54·7	47·3	
10·0	55·2	16·8	
9·4	56·7	45·8	
9·4	59·0	0·9	8·5
10·0	22 19·2	22·5	
7·8	29·2	9·5	8·0 G
10·1	37·2	2·8	9·0
8·5	52·7	28·1	
7·0	53·2	49·2	6·5 GSg
8·0	53·2	1·6	8·2 G
9·4	23 25·7	26·4	
10·1	43·7	53·6	
10·0	24 16·7	32·8	
8·9	20·7	3·1	9·5
9·2	23·7	46·0	
9·2	29·7	47·3	
8·8	34·7	15·6	8·5 G
8·8	25 9·2	41·3	
10·1	28·2	7·5	
7·8	34·2	55·3	8·5 G
10·1	39·7	35·5	
9·4	45·7	43·9	
9·6	26 28·2	36·1	
9·4	48·7	47·8	
10·1	56·5	57·7	
9·6	27 21·7	57·2	
7·6	27·2	5·1	7·8 GSg
8·0	37·1	59·0	
	+ 0 51·2	— 0·8	

961—1020.

mag.	6h. m s	—37° ′	
9·5	27 40·7	42·2	
8·6	49·7	22·6	8·5
10·0	53·7	22·2	
6·9	28 4·2	36·1	5·0 GStπ
10·1	5·2	23·0	
10·0	35·2	49·4	
10·0	39·7	43·2	
9·6	45·7	40·7	
9·4	49·2	14·7	
7·4	56·2	43·6	7·5 G
8·6	29 6·6	59·9	9·0
10·1	15·2	47·0	
9·2	22·7	19·1	
10·1	30 8·7	26·7	
8·5	8·7	2·6	9·0 G
10·1	9·7	25·9	
9·8	17·7	11·3	
10·1	30·0	59·3	
8·6	53·6	0·5	
8·4	31 2·7	20·7	8·0 G
10·0	5·7	20·0	
8·0	15·7	45·3	7·5 G
10·0	40·7	12·1	
10·1	50·7	21·3	
10·0	57·7	20·7	
9·6	32 7·4	44·1	
10·1	25·6	2·6	
10·1†	59·4	57·6	
10·1	33 11·7	6·2	
9·5	13·4	30·5	
9·6	13·9	22·7	9·0
9·0	21·6	50·5	8·5
9·9	56·6	14·0	
9·1	34 17·1	26·2	8·5 G
9·9	23·6	23·2	
7·0	24·1	53·2	7·2 GStπ
9·9	31·1	26·5	9·5
8·7	40·6	38·6	9·0
8·4	48·6	25·2	8·0 G
8·4	59·6	1·0	8·5 G
8·2	35 10·6	31·1	8·5 G
9·9	14·1	48·9	
8·4	27·6	36·3	9·0
9·9	43·4	1·3	
9·9	36 9·1	50·6	
9·9	20·6	8·8	
9·9	21·1	41·7	
9·2	26·6	9·4	
9·9	37 3·6	48·5	8·5
9·9	18·6	51·2	
9·9	37·1	40·2	
8·2	49·6	53·1	8·3 G
9·8	53·6	33·7	
9·6	38 21·1	12·8	
9·2	35·1	52·4	
9·9	37·6	22·7	
7·8	44·1	14·7	8·0 G
8·0	39 20·1	38·9	7·8 G
9·5	40·1	30·6	9·0
8·2	40 12·1	56·3	8·5
	+ 0 51·4	— 1·2	

1021—1080.

mag.	6h. m s	—37° ′	
8·0	40 13·6	40·4	8·5
10·3†	20·4	57·6	
9·8	52·6	40·6	
8·6	59·1	29·1	9·0
9·5	41 12·6	52·3	9·0
8·6	13·1	10·2	9·0
8·8	20·1	39·1	9·2
9·8	24·1	24·5	
9·6	32·7	44·8	9·2
8·2	35·2	17·8	8·5 G
9·4	37·7	36·0	9·5
9·2	39·2	59·3	
9·0	44·2	21·2	
9·5	44·7	8·3	
9·6	45·2	51·3	
6·2	54·7	38·5	6·8 GStπ
9·6	58·7	29·6	
9·9	42 3·7	25·4	
9·6	28·7	5·0	
9·5	29·2	37·9	
9·4	36·7	16·4	
8·8	40·2	57·7	8·5
9·6	47·7	27·1	
9·9	52·6	1·5	
9·8	43 1·2	47·2	
6·0	4·7	47·5	5·5 GStπ
9·4	7·7	32·9	
9·8	24·2	2·4	
8·8	53·2	50·0	8·5 G
8·8	44 0·2	44·3	9·5 G
8·8	5·7	51·5	9·0 G
7·8	7·2	27·3	8·2 G
9·9	36·4	8·1	9·0
9·9	45 44·6	7·2	
9·9	46·7	47·0	
9·5	46 9·2	21·1	9·0
9·4	15·2	59·8	
9·0	20·7	48·9	9·5
9·6	23·7	40·0	
9·9	28·7	38·8	
9·9	29·7	10·2	
9·2	47 43·9	57·2	10·0
9·9	57·7	16·0	
9·6	59·2	49·5	
9·9	59·7	23·3	
8·5	48 7·7	42·0	
9·9	19·2	0·7	
9·2	34·7	47·2	9·5
9·8	49 11·2	41·0	
9·9	12·7	50·0	
9·9	14·4	38·5	
9·9	17·7	51·0	
9·0	28·3	47·5	9·5
9·9	54·8	17·7	
8·6	50 18·8	9·5	9·0 G
9·2	24·3	12·8	8·5 G
8·0	37·8	46·8	G
9·9	39·8	44·9	
9·9	44·3	20·6	
7·8	44·8	20·4	8·5 G
	+ 0 51·6	— 1·6	

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1081—1140.

mag.	6^h–7^h m s	—37° ′	
9·6	50 50·3	26·7	9·0
9·9	51·3	43·8	
9·6	51 9·3	0·1	
9·9	23·3	51·6	
8·2	59·3	39·9	9·0
7·8	52 0·8	21·4	8·5 Gt
9·9	53 10·8	56·8	
9·9	20·7	36·2	9·5
9·6	44·6	58·9	
9·8	54 21·8	33·1	
9·2	29·8	9·3	
9·9	35·0	59·1	
8·0	35·8	34·6	8·5 G
9·0	38·8	14·8	
9·2	44·6	45·8	
9·9	44·6	0·9	
9·5	55 0·1	11·1	
9·6	0·6	52·2	9·0
9·9	34·1	12·0	
9·9	55·1	0·9	
9·9	56 0·9	0·3	
9·9	5·1	29·9	
8·8	12·4	52·5	9·2
8·0	16·6	51·7	8·2 G
10·0	29·3	24·2	
10·0	30·4	52·0	9·2
10·0	57 24·7	48·8	
10·0	39·7	17·0	
8·1	58 10·2	52·8	8·0 G
10·0	19·7	15·6	
10·0	28·7	30·1	
8·9	38·7	37·0	9·0
9·0	59 4·7	1·4	9·5
10·0	16·7	55·0	
9·8	38·7	27·9	
9·7	39·2	5·5	
8·8	46·2	14·5	9·0
10·0	0 0·7	27·3	
10·0	3·7	29·8	
9·3	9·2	35·3	9·5
10·0	29·7	59·4	
9·2	34·2	18·9	
9·5	44·2	14·3	
10·0	51·7	47·0	
10·0	1 6·7	25·0	
9·7	16·2	39·7	
8·4	19·2	26·3	8·5 GSg
10·0	21·5	39·5	
9·4	29·5	15·9	
10·0†	33·0	58·4	
9·7	34·0	22·4	
9·0	34·5	11·5	9·5
8·2	53·5	31·3	8·5 G
9·0	54·3	57·8	
9·2	58·3	3·1	
9·3	2 0·0	23·8	
7·9	0·5	31·0	8·0 GSg
10·0	4·0	18·6	
9·0	4·0	31·1	9·0 G
9·2	6·0	19·5	
25pr.	+0 52·0	−2·1	

1141—1200.

mag.	7^h m s	—37° ′	
10·0	2 9·0	35·9	
9·8	17·5	31·5	9·5
9·2	39·5	49·7	9·0
8·9	52·5	26·2	9·0
8·8	53·5	8·6	9·0
9·4	57·5	13·6	
9·0	3 45·0	8·9	9·0
10·0	54·5	19·9	
9·4	56·5	20·3	
10·0	56·5	38·1	
8·4	57·5	9·4	8·5
8·9	4 24·5	49·9	9·0
8·9	32·0	38·9	9·0
10·0	34·5	16·6	
9·6	37·0	34·8	
8·7	5 17·0	25·3	9·0
10·0	31·5	27·7	
10·0	44·5	42·5	
8·5	48·5	20·8	9·0
10·0	49·5	22·4	
10·0	52·0	47·1	
8·6	6 3·2	0·7	7·5 GSg
8·6	7 20·5	32·7	9·0
9·2	48·5	4·7	
8·2	55·8	57·9	8·0 Gg
8·6	57·0	5·5	9·0
9·4	8 49·5	46·7	
9·6	9 27·0	34·2	
9·7	30·5	43·7	9·0
9·4	33·0	12·9	9·5
10·0	44·5	50·0	
9·6	10 0·6	42·4	
9·3	2·1	57·1	
10·0	4·3	4·9	
9·4	4·6	17·4	
10·0	5·6	18·6	
10·0	9·3	50·9	9·0
8·9	14·6	7·0	8·8 G
7·8	23·3	1·7	7·0 GSg
8·4	31·5	2·1	8·2 G
8·8	38·1	38·1	
9·7	49·6	20·2	
8·7	51·6	48·3	8·8 G
9·4	51·8	1·1	
9·4	51·6	14·4	9·5
9·8	55·1	17·3	
9·2	11 1·1	49·5	9·5
9·5	8·1	33·4	
10·0	11·1	6·4	
10·0	13·3	43·7	
9·0	14·6	53·8	9·2
10·0	25·6	6·8	
10·0	27·3	19·6	
10·0	29·6	4·6	
10·0	34·3	19·5	
10·0	34·6	8·6	
10·0	59·6	27·1	
10·0	12 5·1	10·0	
9·5	19·1	8·7	
9·2	21·6	9·6	
	+0 52·3	−2·5	

1201—1260.

mag.	7^h m s	—37° ′	
10·0†	12 30·5	58·2	
10·0	31·3	59·4	
8·9	31·6	52·2	9·0
9·4	33·6	48·6	
10·0	48·1	18·7	
9·2	56·1	4·4	
9·8	56·6	10·9	
9·8	13 28·1	37·0	
9·6	14 0·8	57·4	
8·8	2·1	20·7	
9·8	3·1	22·2	
10·0	23·6	37·2	
8·0	47·1	48·6	7·8 GSct
10·0	47·6	23·4	
9·2	48·1	25·9	
8·0	48·6	5·4	8·5
7·6	15 4·1	16·6	8·0 G
10·0	4·6	54·1	
9·4	8·6	35·7	
9·6	10·9	19·3	
10·0	11·9	36·1	
8·4	18·4	35·5	8·5
9·2	49·4	29·3	
10·0	50·9	6·7	
9·3	55·7	57·8	
9·8	57·9	19·9	
10·0	16 28·9	46·8	
10·0	17 1·9	6·6	
9·8	4·4	40·6	
9·8	4·9	11·4	
9·3	5·4	34·6	
10·0	5·4	9·0	
8·7	31·4	15·3	
10·0	34·2	9·3	
9·3	36·4	4·1	
8·9	40·9	41·8	9·0
9·0	44·4	29·2	9·5
9·8	46·4	3·9	
10·0	46·9	31·6	9·0
9·8	51·4	1·8	
10·0	18 46·9	32·1	
10·0	49·4	49·7	
9·7	19 9·4	35·7	
9·0	17·9	22·6	
10·0	19·2	2·5	
8·9	29·2	2·7	9·5
9·6	20 14·4	0·6	
7·0	21·4	2·7	6·6 GSg
9·4	24·4	8·3	10·0
7·1	40·9	43·2	8·5
10·0	53·2	55·1	
9·0	56·9	27·4	
9·2	56·9	23·8	
9·5	21 8·9	52·2	
9·7	9·4	21·2	
9·0	24·2	57·6	9·5
8·2	29·2	54·1	8·5 G
10·2	34·0	58·3	
10·4	36·0	43·9	
10·1	37·5	52·7	
	+0 52·6	−2·8	

1261—1320.

mag.	7^h m s	—37° ′	
10·3	21 41·5	38·7	
9·4	52·7	23·3	
10·5	22 9·5	11·9	
10·0	15·0	17·5	
10·0	21·2	28·9	
10·3	29·5	51·6	
10·5	53·5	5·9	
10·1	56·5	32·8	9·5
10·5	23 8·5	16·1	
9·0	8·9	16·5	
10·5	21·5	3·0	
10·1	36·5	14·7	
9·4	38·5	45·0	
10·4	46·5	28·8	
10·5	54·5	24·7	
9·6	56·5	37·4	9·5
7·2	58·5	33·2	7·0 GSg
9·8	24 9·0	47·6	
10·0	12·0	13·6	
10·5	21·0	21·0	
10·3	31·8	56·7	
10·4	36·5	57·0	
10·5	39·5	33·2	
9·6	49·0	32·4	
10·4	49·0	2·7	
10·2	54·0	12·2	
9·8	54·6	0·8	
10·1	25 0·0	41·7	
10·2	2·3	1·4	
7·9	8·5	52·0	8·5 G
10·1	14·5	17·3	
9·8	19·0	40·9	
10·0	19·8	0·8	
9·6	26·5	49·1	
10·2	32·5	15·6	
9·6	39·0	20·5	
9·5	39·5	33·0	
10·4	42·5	19·2	
9·3	52·5	35·0	
9·8	52·5	16·6	
9·8	59·0	21·8	
10·1	26 2·0	17·0	
8·2	7·5	15·8	8·5 G
9·3	9·5	37·6	
7·4	17·5	4·7	7·0 GSg
10·2	18·0	0·9	
10·5	24·1	8·4	
10·0	39·1	33·1	
10·2	40·1	26·1	
10·2	44·1	49·5	
10·5	49·1	28·9	
10·5	49·1	34·0	
8·4	55·1	44·3	9·0 G
10·4	59·1	24·9	
9·6	27 0·6	55·7	
9·8	17·1	10·2	
10·3	18·6	11·5	
10·3	22·6	25·0	
10·4	24·6	6·9	
10·1	25·1	46·8	
	+0 52·9	−3·0	

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1321—1380.

mag.	7h. m	s	−37° ′	
10·1	27	40·1	29·6	
9·8		42·1	43·6	
10·5		44·1	55·9	
9·6		50·1	18·7	
10·1		50·6	54·8	
8·2		54·1	54·6	8·5
10·5		54·1	42·1	
10·0	28	2·6	8·8	
10·0		5·1	21·5	
10·5		18·6	3·6	
9·6		37·1	18·1	9·5
10·1		40·6	6·2	
10·1		48·6	10·5	
9·8		54·1	41·5	
10·3		59·1	26·0	
10·0	29	4·6	2·1	
10·5		5·1	19·0	
10·0		11·1	40·4	
10·5		15·1	4·1	
10·5		25·6	28·3	
10·1		32·1	25·1	
8·0		35·2	2·9	8·0 G
9·8		47·2	39·1	
10·3		48·2	14·2	
9·8		51·2	27·5	
9·3		51·2	24·7	
9·6		59·2	8·9	
10·0	30	7·7	31·9	
10·4		9·2	39·5	
10·3		10·2	52·9	
8·9		15·2	36·3	9·5
9·8		27·2	25·2	
10·5		29·2	30·1	
10·4		29·2	34·6	
10·1		42·2	27·9	
10·5		43·2	17·7	
10·3		48·3	58·1	
10·0		51·7	52·7	
10·4		54·2	5·4	
8·5		59·2	8·7	8·2 GSg
10·1	31	6·7	55·1	
10·0		7·2	32·6	
9·6		8·3	57·9	
10·0		9·4	56·9	
10·5		9·7	16·8	
10·5		11·2	14·5	
8·9		13·7	22·1	9·0
10·1		23·2	31·5	
10·2		24·2	12·6	
7·5		29·2	10·2	7·5 GSg
9·8		34·7	19·5	
9·8		38·2	49·7	
9·8		39·2	38·9	
9·8		41·7	50·7	
9·8		43·2	46·2	
9·6		43·2	8·1	
10·5		45·7	31·9	
10·0		47·2	47·1	
10·4		53·2	22·3	
9·3		58·3	35·9	
25pr.	+0	53·1	−3·2	

1381—1440.

mag.	7h. m	s	−37° ′	
10·0	31	58·8	14·2	
10·0	32	9·3	25·7	
9·8		9·3	50·2	
9·5		13·3	43·0	
10·5		29·5	59·1	
10·0		36·8	10·9	
10·5		41·3	36·8	
9·8		41·8	13·3	
8·6		55·8	24·3	9·0 G
9·4	33	3·8	45·3	
10·4		9·3	35·1	
9·8		13·3	24·7	10·0
9·0		16·8	40·2	9·0
10·4		19·3	3·1	
7·5		19·8	43·8	7·0 GS–c
10·3		24·3	49·3	
9·6		30·3	14·9	
10·1		30·8	20·3	
9·4		37·8	43·9	9·0
9·5		41·3	40·1	
10·5		44·8	43·3	
10·3		47·8	44·9	
10·5		49·2	47·7	
10·5		49·3	50·0	
9·8		57·8	49·2	
9·6		59·3	11·2	
9·6	34	5·8	4·6	
10·5		6·3	0·3	
9·6		7·3	58·4	
10·4		11·8	41·1	
10·3		13·8	53·7	
10·0		15·3	54·3	
10·4		19·3	23·7	
10·3		21·8	39·0	
10·1		24·7	30·2	
9·8		25·7	22·5	
10·4		30·7	44·5	
10·0		38·2	39·0	
9·5		44·7	38·7	
10·3		46·7	51·6	
10·0		49·2	43·2	
9·8		49·7	5·4	
9·8		51·7	37·2	
10·0		52·2	36·0	
10·1		53·2	58·2	
10·4		55·2	25·2	
10·4		59·7	13·8	
10·4	35	1·8	8·1	
9·3		4·2	36·9	
8·6		5·2	4·3	9·0
9·2		8·7	14·7	
10·5		8·7	18·5	
9·0		9·7	13·2	
10·5		10·2	4·1	
9·4		11·7	45·4	
10·2		14·7	27·5	
10·3		17·7	11·4	
10·5		19·2	4·1	
5·8		19·7	51·2	6·2 GStπ
10·5		20·7	26·3	
	+0	53·3	−3·3	

1441—1500.

mag.	7h. m	s	−37° ′	
6·3	35	23·7	58·5	6·2 GStπ
9·5		26·7	11·7	
8·5		30·2	5·2	8·8
6·3		30·7	17·4	6·5 GStπ
10·2		31·7	27·3	
9·6		33·4	1·8	
10·3		35·7	49·6	
10·3		37·7	32·3	
10·4		37·7	2·5	
10·0		48·7	18·3	
9·8		51·2	22·7	
10·4		54·7	33·7	
10·1		59·7	22·3	
10·0	36	0·7	28·3	
10·4		1·2	9·9	
9·6		9·7	10·0	
10·3		25·7	53·7	
9·0		26·2	10·8	9·0
10·5		29·2	4·5	
8·5		33·7	39·6	
10·5		35·7	39·0	
10·1		38·7	27·6	
9·8		38·7	32·7	
10·2		38·7	20·2	9·0
10·5		43·7	13·1	
9·0		45·7	18·3	9·0
10·0		46·2	35·9	
10·4		49·7	4·8	
9·8		49·7	11·9	
10·2		50·7	55·3	
9·4		51·7	36·3	
9·8		51·7	34·7	
10·5		59·7	4·7	
9·4	37	0·2	19·1	9·0
10·3		0·7	45·3	
8·3		2·2	53·1	
10·0		9·2	47·5	
10·4		9·2	25·1	
10·5		9·7	36·3	
10·5		9·7	14·1	
10·5		14·7	37·9	
9·8		20·9	0·5	9·5
9·8		21·7	31·2	
10·0		22·7	16·1	
9·4		27·2	38·0	
9·6		30·7	39·0	
10·5		31·2	11·0	
9·8		38·7	48·5	
10·5		45·7	54·8	
10·4		49·2	20·2	
10·5		59·7	37·5	
9·2	38	2·7	40·5	9·0
8·9		4·2	48·9	9·0
10·5		13·7	33·6	
9·3		17·7	45·2	
10·5		19·2	48·6	
9·8		25·7	18·1	
10·5		26·2	45·0	
10·0		27·2	45·8	
10·3		38·2	31·2	
	+0	53·4	−3·4	

1501—1560.

mag.	7h. m	s	−37° ′	
9·6	38	39·7	50·2	
10·2		51·7	44·0	
7·4	39	1·2	27·2	G–
8·5		4·7	50·4	8·5 G
10·4		5·2	10·7	
10·0		10·2	7·4	
10·0		13·2	56·3	
6·8		18·2	54·3	7·0 GStπ
10·3		18·2	16·4	
10·2		19·7	13·3	
8·6		21·2	22·4	G
10·0		21·7	8·4	
9·8		21·7	35·9	
9·3		22·7	40·1	
7·8		24·7	25·3	Gπ
10·5		29·7	19·5	
9·2		37·7	50·7	8·5 G
9·6		39·2	12·6	
9·6		39·7	35·7	
9·0		41·7	41·0	G
9·4		41·7	51·0	G
9·8		43·2	3·1	
9·2		45·7	20·9	G
9·6		49·7	12·8	
10·1		54·7	21·2	
10·2		56·7	37·5	
8·0		59·7	21·8	G
8·3	40	1·2	41·2	9·0 G
9·6		2·2	7·3	
9·6		3·2	27·3	G
10·0		5·2	44·1	
6·4		7·7	38·5	7·0 GSct
9·8		10·7	23·2	
9·8		10·7	20·5	
9·6		11·7	55·3	
8·1		17·2	47·9	8·5 G
7·5		18·7	45·3	8·0 G
10·3		18·7	33·0	
10·4		19·7	34·1	
10·5		20·2	59·9	
9·6		21·7	22·1	
10·4		21·9	56·8	
10·4		22·7	34·5	
10·0		23·7	49·9	
9·8		29·2	46·7	
9·2		29·7	3·1	9·2
9·4		29·7	42·2	G
7·9		32·7	47·6	G
10·5		33·2	42·1	
9·6		34·2	53·5	
9·5		34·7	44·3	
7·6		34·7	51·4	8·5 G
10·1		34·7	29·1	
9·8		35·2	6·5	
7·0		37·7	35·1	7·0 GS–t
10·3		42·2	42·1	
10·4		47·7	31·1	
6·8		48·7	39·9	3·5 GStπ
9·6		49·7	53·9	
10·4		49·7	5·2	
	+0	53·6	−3·5	

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1561—1620.

mag.	7h. m	s	−37° ′	
10·4	40	50·6	36·1	
9·6		50·7	44·8	
10·1		51·7	19·1	
10·3		52·2	6·9	
10·5		53·7	31·9	
10·3		55·2	16·3	
10·5		58·7	56·5	
7·2		59·2	17·6	GSg
10·5		59·6	40·0	
10·3		59·8	53·8	
10·0		59·8	13·7	
10·4	41	10·8	28·5	
10·1		13·8	26·5	
9·6		15·3	31·0	
8·6		19·8	14·5	
10·2		19·8	38·1	
10·4		20·8	4·9	
9·2		22·8	16·1	
10·5		30·3	57·9	
9·0		30·8	26·8	
9·8		31·1	2·6	
10·5		33·8	42·2	
9·8		39·8	5·9	
10·2		39·8	20·1	
10·3		41·8	13·5	
9·8		42·8	6·5	
6·4		43·3	37·7	6·5 GStπ
8·0		43·3	47·9	8·5 G
10·4		48·5	58·5	
10·4		49·8	3·9	
9·6		50·8	36·1	G
7·6		50·8	35·5	8·5 GS
10·0		51·8	16·1	
9·8		58·3	25·9	
10·3	42	3·3	30·8	
7·6		4·8	27·8	7·0 GSct
10·3		6·3	40·9	
9·2		9·3	48·5	
10·0		9·8	56·1	
9·0		10·3	29·9	G
9·8		10·8	7·9	
10·1		11·3	31·7	
10·3		13·3	25·3	
10·5		15·3	4·5	
9·0		21·8	50·7	
10·5		23·3	21·1	
10·5		29·8	20·0	
9·8		30·1	58·9	
10·1		34·3	11·9	
7·8		44·3	39·9	7·5 GS–
10·2		50·1	59·8	
9·8		50·3	26·6	G
9·3		55·1	0·6	9·5
10·0		58·8	29·8	
9·6	43	0·8	34·2	
9·6		6·3	26·1	
10·0		7·3	32·2	
8·0		9·3	42·2	8·0 G
9·0		15·3	9·1	
9·6		19·3	34·2	
25pr.	+0	53·7	−3·6	

1621—1680.

mag.	7h. m	s	−37° ′	
10·2	43	25·3	1·7	
10·0		26·6	1·2	
10·5		36·8	57·8	
8·0		40·8	22·0	8·5
10·5		43·3	11·4	
10·5		45·8	30·8	
9·8		50·3	3·4	
9·6		54·8	28·4	9·0 G
9·6		57·3	2·0	
10·3	44	0·8	11·6	
9·8		4·8	22·6	
10·3		4·8	42·8	
9·0		13·3	9·0	9·5
10·4		15·1	59·7	
10·2		16·8	3·5	
9·4		17·3	43·1	
10·5		18·8	13·8	
10·3		19·6	34·0	
10·0		22·3	48·4	
7·3		22·8	53·4	7·0 GS–g
9·6		22·8	50·2	G
10·5		24·8	23·6	
8·4		26·3	28·4	9·0
9·8		44·3	14·2	
10·5		44·8	6·2	
8·4		44·8	6·6	8·5
10·5		44·8	37·1	
9·4		49·8	46·1	
9·8	45	3·8	49·8	
9·8		4·3	10·2	
9·5		9·8	46·6	
10·5		25·0	4·2	
8·8		27·8	15·3	9·5
9·5		35·3	44·4	
10·2		36·3	12·0	
10·5		37·3	18·8	
10·4		39·8	51·2	
10·3		40·8	41·2	
9·8		53·8	49·8	
9·2		56·8	46·5	
9·3		58·8	47·0	9·0
10·3	46	3·6	56·6	
10·3		6·1	56·6	
10·4		8·8	35·0	
9·8		17·8	40·8	
9·8		19·8	52·8	
9·2		29·3	15·6	
9·8		30·8	51·7	
10·5		30·8	5·1	
9·8		35·8	42·0	
9·6		35·8	7·5	
10·1		43·3	15·6	
8·9		46·3	14·1	9·0
9·8		48·8	6·6	
9·4		56·3	7·5	
9·6		56·8	3·6	
10·4		58·3	44·7	
9·8		59·2	58·5	
8·2	47	0·3	18·9	8·5
9·8		1·5	47·5	
	+0	53·8	−3·7	

1681—1740.

mag.	7h. m	s	−37° ′	
10·0	47	7·8	55·4	
10·2		8·8	36·0	
10·4		15·8	29·3	
10·3		16·3	36·4	
9·5		19·6	32·4	
10·2		21·0	44·3	
10·5		21·7	20·6	
9·0		22·8	13·9	9·5
9·0		27·8	8·5	9·2
10·3		31·3	35·7	
10·1		36·0	37·2	
8·6		39·3	28·7	
10·0		47·5	27·8	
10·1		50·8	51·5	
10·5		57·7	37·0	
9·8		58·8	9·6	
10·3		59·8	44·9	
10·3	48	5·8	2·9	
10·0		8·8	13·7	
9·6		9·3	41·4	
8·8		12·3	39·3	9·0 G
9·8		17·8	52·6	
9·8		18·8	28·4	
10·0		19·8	53·4	
8·7		20·8	26·9	9·0
10·2		32·3	5·6	
10·2		38·8	35·9	
10·2		49·8	24·5	
10·2	49	0·8	46·9	
10·2		1·3	50·3	
10·2		21·3	56·6	
9·3		33·3	1·9	
9·6		38·8	9·5	
9·6		48·8	16·1	
10·2		48·8	43·5	
10·2		53·3	15·7	
10·0	50	6·8	6·7	
10·2		11·3	9·7	
10·0		30·8	45·4	
10·0		36·8	57·7	
10·4†		39·3	57·8	
10·2		40·3	32·3	
8·8		58·8	34·7	9·0
10·2	51	7·3	45·0	
8·2		8·8	31·6	8·5 G
9·8		19·3	24·7	
9·8		20·8	42·1	
9·4		25·0	4·9	9·0
10·2		28·5	8·0	
10·2		40·0	50·7	
10·0		41·5	27·1	
9·2		43·0	40·1	9·5
10·2		48·0	26·3	
10·2		53·0	21·3	
10·2	52	0·5	26·1	
10·2		6·5	31·2	
10·0		7·5	31·5	
10·2		14·0	33·0	
10·2		20·5	59·7	
10·2		20·5	46·5	
	+0	54·0	−3·8	

1741—1800.

mag.	7h. m	s	−37° ′	
10·2	52	21·5	13·9	
10·0		25·5	34·9	
9·8		27·0	41·9	
10·2		38·1	58·7	
10·0		39·0	22·1	
9·8		40·0	47·2	
10·2		44·1	59·7	
10·0		47·0	28·8	
8·8		51·4	0·2	8·0
10·2		52·5	56·1	
10·2		56·1	59·5	
10·2		57·0	29·1	
9·8		58·0	29·5	
9·8		59·0	39·3	
10·0		59·0	18·2	
9·4	53	4·0	31·9	
9·4		10·5	31·1	
10·2		13·5	50·1	
9·4		20·0	34·8	
9·0		20·0	40·0	
10·2		24·0	24·2	
9·0		27·5	40·3	9·5
10·0		29·5	21·9	
10·2		30·0	55·2	
7·2		32·5	14·5	7·8 GW
10·2		41·0	7·5	
10·0		41·0	43·7	
9·8		41·5	30·0	
9·8		45·0	33·2	
10·0		48·0	11·2	
9·8		52·0	4·0	
10·2		58·0	24·9	
9·2		59·0	43·7	
10·2	54	8·5	38·0	
9·6		9·0	4·0	
10·2		29·0	22·9	
9·4		31·5	52·7	
9·6		32·8	59·9	
10·2		34·0	44·4	
9·6		37·0	56·1	9·0
7·7		38·0	42·8	7·5 G–
9·0		39·0	33·8	9·5
9·4		41·0	38·2	9·5
10·2	55	4·5	14·1	
9·4		19·0	39·1	9·0
10·2		26·0	17·0	
9·2		29·5	31·3	9·5
10·2		35·0	40·7	
9·4		45·5	30·1	9·0
9·1		54·5	6·9	
10·2	56	0·5	35·6	
10·0		2·5	11·0	
10·0		8·0	47·0	
10·2		19·3	28·5	
10·2		21·0	13·9	
10·2		22·0	17·5	
10·0		23·0	20·2	
9·8		24·0	25·1	
9·4		33·1	23·8	
10·2		34·1	48·0	
	+0	54·3	−4·0	

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1801—1860.

mag.	7h.–8h. m	s	—37° ′	
10·2	56	39·1	22·9	
10·2		39·1	20·9	
10·2		56·1	19·7	
10·0	57	2·1	46·0	
9·8		2·6	35·9	
10·2		4·6	33·5	
9·8		9·1	52·2	
8·6		14·6	47·1	
9·8		17·1	36·3	
10·0		23·6	8·2	
10·2		27·1	17·9	
10·2		30·6	39·7	
10·2		39·6	16·0	
10·0		43·6	27·5	
9·4		48·1	7·2	
10·2		51·6	18·0	
9·0		52·1	44·0	
10·2		54·6	53·8	
9·8	58	11·6	10·0	
10·2		18·1	4·1	
10·2		19·6	22·2	
9·8		21·1	45·6	
10·0		23·1	35·0	
9·8		28·1	52·5	
9·6		30·6	21·0	
10·2		32·1	36·4	
9·6		33·6	47·5	
9·4		38·1	46·9	
10·2		39·6	31·7	
8·5		39·6	50·8	
8·8		43·1	12·2	
10·2		47·2	12·0	
10·2		50·5	2·0	
10·0		54·6	36·5	
9·8		57·6	53·0	
9·6		59·1	27·5	
9·6		59·6	15·8	
9·6	59	0·6	40·7	
9·6		7·1	37·0	
10·0		16·1	5·0	
9·8		19·1	6·2	
10·2		20·1	47·4	
10·0		23·6	18·1	
10·2		26·1	3·6	
10·0		28·1	36·4	
9·6		28·1	35·1	
10·0		44·1	11·9	
9·6		49·1	51·1	
9·8		50·1	45·4	
9·8		50·6	3·9	
10·2		54·6	11·1	
10·2		55·1	15·5	
10·2	0	1·6	58·0	
9·6		7·6	8·5	
9·2		9·1	11·5	9·0
9·6		9·1	31·9	
10·0		9·1	48·4	
10·0		14·1	49·7	
10·0		27·1	51·2	
10·2		29·1	39·9	
25pr.	+0	54·5	—4·1	

1861—1920.

mag.	8h. m	s	—37° ′	
9·1	0	32·3	57·5	9·5
10·2		36·3	58·1	
10·0		48·1	28·7	
9·4		53·1	41·5	
10·2		59·1	13·0	
9·4		59·6	50·8	
9·6	1	4·6	37·2	
10·0		8·9	26·5	
10·2		9·4	14·4	
10·0		10·4	53·8	
9·6		15·4	44·9	
10·2		17·9	7·4	
9·8		17·9	33·8	
10·2		25·4	32·1	
9·6		28·4	37·1	
10·0		30·9	27·1	
9·4		34·4	19·8	9·5
10·2		40·4	26·0	
10·2		51·9	13·0	
9·6		54·4	22·4	
10·2		57·9	13·8	
10·2	2	12·9	30·6	
9·6		14·7	2·0	9·5
10·0		15·4	40·7	
9·1		16·9	10·6	10·0
9·6		20·4	59·0	
9·3		20·4	10·3	8·8 G
9·6		26·5	2·6	
9·6		30·4	12·8	
9·6		32·2	2·8	
10·0		32·7	1·4	
10·0		38·9	33·9	
9·8		45·4	3·2	
9·8		47·9	58·0	
9·6		54·4	5·4	
10·2		54·9	56·3	
9·4		56·9	32·8	
9·6		59·4	30·2	
8·5	3	2·4	4·5	8·0 Gg
10·0		5·4	50·9	
8·6		9·4	3·9	8·0 Gg
10·2		9·6	0·5	
10·0		13·4	59·5	
10·0		21·9	14·0	
10·0		24·4	6·4	
10·2		25·9	2·9	
10·2		26·8	57·1	
8·4		26·9	37·5	8·5
10·0		28·4	38·0	
9·3		40·9	51·0	
10·2		43·9	43·0	
10·0		49·4	0·0	
10·2		58·7	27·7	
9·4		59·4	9·4	
9·4		59·9	15·3	
7·1	4	2·9	18·9	7·0 GS–g
10·0		4·4	45·1	
10·2		5·9	13·9	
9·6		8·1	59·7	
9·8		14·9	31·0	
	+0	54·8	—4·3	

1921—1980.

mag.	8h. m	s	—37° ′	
9·8	4	33·9	22·9	
10·0		34·4	8·0	
8·2		37·4	25·9	8·0 —
9·4		38·4	56·0	
10·0		39·4	44·1	
10·2		40·9	6·1	
9·0		50·4	51·8	
9·6		50·4	29·3	9·5 G
10·2		53·4	27·3	
10·2		59·4	26·0	
10·2	5	1·9	36·4	
8·8		6·9	48·4	
10·2		9·9	59·0	
9·6		11·9	53·7	
10·2		15·4	12·1	
10·2		17·4	41·4	
9·3		19·4	59·6	9·5
10·0		19·4	13·3	
10·2		21·4	52·1	
10·2		29·4	6·6	
10·2		30·4	7·2	
10·0		37·4	54·4	
8·2		39·4	47·7	—
9·6		43·4	36·1	
9·8		49·4	29·9	
9·8		50·4	5·4	
10·2		50·7	36·3	
10·0		53·9	6·7	
10·2		54·4	2·8	
10·0		55·4	38·4	
9·2		59·4	52·0	
9·6		59·4	21·0	
10·2	6	0·4	21·9	
8·7		10·4	4·9	
7·8		14·4	53·9	8·0 G–
9·8		14·4	3·9	
9·8		15·4	25·6	
9·8		28·4	39·9	
10·0		30·4	54·7	
10·2		34·9	15·6	
9·6		36·4	55·3	9·5
9·0		39·4	17·7	8·5
10·2		40·4	25·8	
9·3		40·4	18·3	
9·0		41·4	14·4	8·5
10·2		41·9	51·3	
8·8		42·9	5·4	
10·0		44·4	5·0	
9·2		48·4	5·6	
9·8		48·7	5·3	
9·8		49·4	3·3	G
9·1		49·4	19·7	
10·0		49·9	13·1	
9·2		51·9	18·3	
9·4		51·9	3·0	
10·2		52·9	0·0	
9·6		53·7	2·2	
9·6		53·9	1·5	
10·2		57·6	59·2	
10·0		59·9	2·5	
	+0	55·0	—4·4	

1981—2040.

mag.	8h. m	s	—37° ′	
8·8	6	59·9	1·9	
8·2	7	0·4	0·7	8·0
9·6		0·4	27·2	
9·3		1·4	0·1	
10·2		1·4	33·1	
9·0		5·4	29·0	
9·1		9·4	19·0	
9·4		9·4	19·5	
10·0		10·9	26·8	
10·0		10·9	20·8	
9·4		12·9	6·6	
8·8		14·9	4·1	
10·2		14·9	46·3	
8·4		15·4	12·1	8·5
9·6		15·4	21·4	
8·4		15·4	33·9	9·0 S
10·0		18·4	24·3	
9·4		19·4	14·6	
9·6		20·4	7·3	
10·2		21·4	11·0	
8·7		22·9	9·2	9·0
9·6		23·4	18·5	
9·6		25·9	40·7	
10·2		28·4	5·5	
10·2		28·4	13·6	
8·8		30·9	17·3	9·0
9·1		31·4	17·0	
8·6		39·4	9·4	9·0
9·4		40·4	23·1	
9·6		44·4	27·5	
9·4		47·4	10·9	
9·8		47·4	41·1	
10·0		48·4	22·6	
10·2		49·4	3·8	
9·4		50·4	19·6	
9·8		51·9	27·3	
10·2		53·4	17·4	
10·2		53·4	6·7	
9·8		53·9	3·5	
10·0		56·4	0·2	
9·8		58·4	12·1	
9·6		59·4	2·4	
9·6		59·4	27·0	
9·4	8	0·4	6·5	
10·2		0·4	17·0	
9·6		0·4	36·1	
10·2		0·9	29·8	
9·6		0·9	37·5	
9·6		1·4	0·9	
9·6		6·4	9·5	
9·4		7·9	32·7	
9·8		10·4	9·4	
9·4		12·9	13·6	
9·6		13·2	1·2	
10·0		13·4	23·9	
9·6		13·9	22·7	
8·6		14·4	20·6	9·0
7·2		16·4	32·9	7·0 GSg
9·0		19·4	26·4	8·5
10·2		19·4	48·4	
	+0	55·1	—4·4	

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2041—2100.

mag.	8h. m s	—37° ′	
9·2	8 21·9	25·0	
10·2	22·4	14·1	
9·6	24·4	32·3	
9·3	24·4	13·9	
8·7	26·4	23·9	9·0
10·2	28·4	42·3	
10·2	32·9	41·3	
9·8	34·4	15·9	
9·8	36·9	20·8	
10·0	39·4	17·8	
10·0	39·4	6·1	
10·2	49·9	48·9	
10·2	50·9	56·1	
9·0	54·9	13·1	
8·5	55·4	6·6	
10·2	58·4	13·1	
8·8	58·4	9·0	
10·2	59·4	11·5	
10·2	59·4	22·0	
10·2	9 4·4	42·4	
9·1	4·4	31·7	
10·0	9·4	28·4	
10·0	9·4	39·3	
10·0	9·9	3·3	
8·0	10·4	20·8	8·5 –
10·0	12·9	29·7	
10·2	14·9	36·1	
10·2	15·4	26·6	
10·0	17·4	28·6	
8·6	19·4	18·0	8·5 –
10·2	20·4	1·3	
10·0	23·4	16·6	
10·0	27·9	41·2	
10·2	30·7	15·5	
10·2	31·7	17·0	
10·2	32·4	52·3	
10·0	32·9	27·4	
10·2	38·9	16·0	
9·6	40·4	32·1	
10·2	43·4	14·0	
10·0	46·4	18·4	
9·8	46·9	10·3	
10·0	49·4	31·5	
10·0	49·4	41·1	
10·0	50·4	53·6	
8·8	51·4	29·0	9·0
10·0	55·4	26·8	
9·8	55·9	40·0	
10·2	57·4	55·2	
10·2	10 2·4	4·1	
10·2	8·4	50·1	
7·8	9·4	32·3	8·0 S
10·2	10·4	49·0	
10·0	10·9	13·5	
10·2	11·5	42·2	
10·0	16·4	56·1	
10·0	16·9	6·8	
9·6	17·4	35·5	
10·0	17·4	54·7	
10·0	17·9	11·8	
25pr.	+0 55·1	−4·5	

2101—2160.

mag.	8h. m s	—37° ′	
10·0	10 20·4	16·8	
10·2	23·9	53·8	
10·2	27·5	42·1	
10·0	30·4	52·1	
9·6	37·4	52·1	
10·2	38·4	27·5	
10·0	38·9	2·0	
9·8	39·4	24·3	
10·2	40·9	25·3	
10·0	45·4	28·0	
9·6	47·0	57·2	
10·2	48·4	47·5	
9·8	49·4	20·8	
9·6	49·4	3·8	
9·4	56·9	8·8	
9·4	57·4	12·1	
10·2	57·4	8·1	
10·2	58·4	7·0	
10·2	58·5	39·0	
9·6	59·4	40·4	
9·8	59·4	31·2	
10·2	11 0·4	47·6	
10·2	5·4	54·0	
9·6	9·4	17·0	
10·2	10·4	11·9	
9·8	10·9	45·5	
8·8	13·9	24·4	
9·3	14·4	9·8	
10·2	21·4	53·0	
9·6	27·9	4·5	
10·2	29·9	29·9	
10·2	35·4	51·5	
9·6	35·4	24·1	
10·2	42·4	20·0	
10·2	44·4	43·6	
10·2	45·4	43·4	
10·2	46·9	18·9	
10·0	49·4	9·5	
8·5	56·9	5·2	9·0
9·8	12 6·4	18·7	
10·2	9·9	6·6	
10·2	12·4	25·3	
10·2	17·3	42·6	
9·6	19·4	38·3	
10·2	19·7	16·9	
10·2	21·4	0·3	
9·8	21·4	9·4	
10·2	22·4	15·9	
10·2	25·4	28·2	
10·2	27·4	27·3	
10·0	29·4	54·0	
10·2	31·8	13·5	
10·2	32·9	41·1	
10·7	33·0	33·4	
10·8	34·6	28·8	
10·0	35·2	13·4	
10·0	36·7	30·8	
9·4	42·1	25·5	
9·0	42·1	30·9	
10·2	42·1	46·1	
	+0 55·3	−4·5	

2161—2220.

mag.	8h. m s	—37° ′	
10·4	12 47·1	45·0	
10·4	47·1	18·4	
10·8	48·6	9·5	
10·8	13 5·1	47·2	
10·6	7·6	25·1	
10·0	7·6	20·4	
10·8	9·1	9·0	
10·6	11·6	32·5	
10·4	15·1	2·1	
10·2	18·1	33·2	
9·2	19·8	13·1	
10·8	24·1	55·0	
10·7	30·6	30·5	
7·7	32·1	5·4	8·5 Gg
10·2	40·1	49·8	
10·8	40·1	28·8	
8·4	42·6	33·1	9·0 –
8·6	52·1	22·1	9·2
9·8	52·1	42·9	
10·2	54·1	24·7	
10·7	54·6	39·3	
10·8	54·6	44·9	
10·7	14 0·6	17·3	
9·8	1·1	43·0	
10·2	5·1	19·5	
10·8	8·6	46·4	
9·8	10·1	29·4	
10·0	15·3	0·9	
10·7	16·1	28·4	
10·0	17·1	23·5	
10·7	20·6	5·8	
10·8	21·3	4·9	
10·8	22·1	29·4	
9·3	23·1	40·9	
10·0	23·1	56·5	
9·8	30·1	6·1	
10·8	31·1	41·9	
7·8	32·1	47·1	8·0 –
9·2	36·6	18·1	
10·6	40·1	52·9	
9·6	47·6	55·0	
9·6	48·1	43·9	
10·4	54·1	38·9	
10·7	54·1	30·9	
10·2	55·1	34·7	
10·8	15 0·1	15·1	
10·4	2·1	21·5	
7·3	6·6	1·6	7·2 GSg
9·8	15·1	25·3	
10·2	22·1	47·8	
10·0	26·1	35·9	
10·8	31·6	3·9	
10·4	32·1	51·7	
10·8	37·6	16·7	
8·8	43·1	55·2	
10·7	50·1	9·5	
10·6	50·1	37·7	
10·0	51·1	39·5	
10·7	53·1	26·2	
10·4	59·2	43·4	
	+0 55·4	−4·6	

2221—2280.

mag.	8h. m s	—37° ′	
10·2	16 0·1	6·2	
9·8	0·1	49·8	
10·7	2·1	55·8	
10·4	5·1	48·1	
10·4	9·1	45·5	
10·8	10·2	33·1	
10·6	10·2	40·9	
9·2	11·1	27·4	
10·2	12·1	58·7	
9·8	13·6	35·1	
9·3	16·1	45·0	
10·8	21·3	1·1	
10·8	28·1	16·3	
10·4	30·1	10·9	
10·7	34·1	42·1	
9·0	34·1	45·1	9·5
10·0	40·1	41·8	
9·8	40·1	6·3	
9·2	41·1	6·7	
10·6	43·3	0·8	
10·0	45·6	6·6	
10·4	45·6	40·5	
8·6	47·6	0·2	
9·6	47·6	23·1	
9·6	49·6	26·1	
9·8	53·6	6·6	
10·8	54·2	16·9	
10·0	55·6	3·2	
10·2	56·6	18·6	
10·8	17 0·1	17·8	
10·7	2·1	48·6	
10·0	2·1	12·4	
9·6	4·1	36·3	
10·0	4·6	39·5	
10·4	4·6	53·7	
8·9	4·6	48·0	8·5 –
10·7	5·4	1·9	
10·0	6·1	33·5	
10·4	6·6	24·9	
10·8	8·6	54·7	
10·8	10·1	35·2	
10·4	11·1	17·4	
9·4	12·6	21·6	9·5
10·6	13·6	55·1	
10·4	14·1	19·9	
10·6	18·1	39·2	
10·4	20·1	4·6	
9·0	25·6	6·6	
10·8	30·1	13·1	
9·4	32·1	38·2	
10·7	32·1	48·0	
10·6	35·6	38·6	
10·4	40·6	38·2	
10·6	44·1	10·2	
10·8	47·1	23·6	
9·0	49·1	14·5	9·0
10·0	49·1	28·8	10·0
10·8	49·6	4·8	
10·4	50·1	5·0	
10·7	50·1	26·5	
	+0 55·6	−4·7	

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2281—2340.

mag.	8h. m s	−37° ′	
10·2	17 51·1	7·3	
9·8	52·1	46·0	
10·6	52·1	28·6	
10·4	55·1	31·0	
10·0	56·1	56·5	
9·8	56·1	54·9	
9·2	56·6	26·3	
10·7	57·8	1·7	
8·4	58·1	24·2	9·5
10·2	18 0·1	34·2	
10·8	0·1	0·4	
10·0	0·8	1·5	
9·6	4·1	28·1	
9·3	4·6	56·3	
8·7	5·1	54·3	9·0
10·8	10·1	53·9	
10·8	11·0	42·0	
10·4	11·6	16·0	
10·4	15·1	39·3	
9·4	17·1	44·2	
10·8	21·1	16·9	
10·4	21·1	12·0	
10·4	25·1	18·0	
10·8	26·1	40·1	
8·3	27·1	50·7	9·0 −
10·8	27·6	31·0	
10·6	31·1	3·2	
10·7	32·1	28·6	
10·7	36·1	20·5	
10·2	38·6	37·2	
7·7	40·1	53·1	7·0 GS=c
9·6	45·1	10·8	
10·8	48·6	58·6	
10·6	51·1	18·6	
10·8	51·6	58·1	
9·2	52·1	10·8	
9·4	57·6	15·4	
10·4	58·1	37·7	
10·8	59·6	34·7	
10·6	19 2·1	16·8	:
10·6	2·6	7·4	
10·7	3·0	11·5	
9·8	4·1	19·2	
10·6	6·1	4·8	
10·4	8·6	12·5	
10·2	12·0	12·9	
10·0	12·1	37·6	
9·4	12·6	21·9	
10·8	14·6	2·9	
10·8	18·6	23·9	
10·8	19·6	20·2	
10·0	20·6	49·0	
10·8	24·6	18·0	
10·8	31·6	21·5	
10·8	37·6	20·5	
9·4	40·6	46·6	
10·2	49·1	44·5	
9·0	50·6	20·0	
10·6	51·6	58·4	
10·8	54·6	33·5	
25pr.	+0 55·7	−4·8	

2341—2400.

mag.	8h. m s	−37° ′	
9·6	19 54·6	54·4	
10·8	55·6	11·1	
10·8	59·6	6·2	
10·4	20 1·6	47·1	
10·7	5·1	49·1	
10·4	7·6	18·9	
10·0	20·6	29·4	
10·0	20·6	24·6	
10·7	20·6	54·0	
9·6	21·6	59·1	
9·2	23·6	7·5	
10·2	25·6	26·4	
10·4	28·1	9·6	
10·7	29·6	35·7	
10·8	31·6	25·1	
9·6	32·1	39·7	10·0
10·0	34·1	7·7	
10·7	36·1	23·5	
10·4	36·6	5·8	
10·8	37·6	31·0	
10·2	38·6	16·5	
10·7	38·6	20·6	
9·4	40·6	50·5	
9·4	40·6	26·1	
9·8	43·1	28·0	
10·0	43·6	26·8	
10·4	49·6	1·4	
10·7	51·1	48·2	
10·7	56·6	37·1	
10·8	59·1	17·6	
9·8	21 0·6	42·0	
8·6	4·6	24·0	8·5 −
10·8	6·6	46·5	
10·8	11·1	22·0	
10·7	14·1	2·3	
10·8	19·6	36·2	
10·7	21·1	48·2	
10·6	21·1	51·7	
10·0	21·1	55·0	
10·8	21·4	30·0	
10·7	26·4	55·2	
9·8	26·6	48·0	
10·8	30·4	36·3	
9·2	34·1	14·5	
10·0	35·6	46·9	
10·0	38·6	48·3	
10·0	41·6	13·1	
10·6	43·6	7·1	
10·8	46·1	46·2	
10·4	46·6	45·5	
10·6	48·1	26·9	
10·8	50·6	21·5	
10·4	53·1	51·6	
10·7	22 0·6	47·4	
10·7	0·6	19·7	
10·6	2·6	40·9	
9·4	8·2	0·6	
10·4	10·2	25·7	
10·7	18·7	15·7	
8·7	23·7	32·0	8·0 G−
	+0 55·9	−4·8	

2401—2460.

mag.	8h. m s	−37° ′	
9·4	22 30·2	17·4	
10·4	33·7	52·8	
9·4	34·7	31·2	10·0
10·0	42·7	35·0	
10·0	44·2	49·7	
10·0	47·2	40·1	
10·0	51·2	10·0	
10·4	51·2	53·8	
9·0	55·2	20·3	10·0
10·4	58·7	8·4	
9·6	59·2	19·6	
9·0	23 0·2	6·3	
10·4	1·2	42·9	
10·6	2·7	16·5	
10·6	3·2	10·0	
9·6	3·7	27·2	
9·8	9·2	49·1	
10·6	11·5	59·1	
10·7	14·7	47·2	
10·7	17·7	29·0	
9·8	18·2	10·8	
10·7	20·2	54·4	
10·8	22·2	9·9	
10·8	25·2	29·7	
10·8	29·5	59·7	
10·8	30·7	29·4	
10·7	31·2	52·7	
8·4	31·7	19·0	9·0 −
10·0	33·2	26·8	
9·8	34·7	12·2	
10·2	36·2	25·5	
9·0	40·7	38·9	
10·6	43·2	22·9	
9·2	50·2	15·0	9·5
9·8	50·7	28·0	
10·7	50·7	4·5	
10·7	52·2	6·1	
10·6	58·2	6·4	
10·7	58·7	56·4	
9·6	59·7	9·7	
10·8	59·7	29·1	
10·7	59·7	45·1	
10·6	24 5·2	38·1	
10·7	9·2	44·2	
9·8	18·5	59·8	
10·0	29·2	21·6	
10·8	30·2	11·5	
10·4	31·7	11·5	
10·7	32·2	30·9	
10·0	37·2	42·0	
9·3	37·7	27·0	
10·8	40·7	15·0	
10·8	49·7	4·1	
10·4	50·7	10·0	
9·8	51·7	30·9	
10·7	55·7	15·5	
9·8	57·7	48·2	
10·4	25 0·7	25·3	
10·7	1·7	6·1	
10·6	6·2	49·6	
	+0 56·1	−4·9	

2461—2520.

mag.	8h. m s	−37° ′	
9·0	25 9·7	7·2	9·5
10·0	9·7	9·2	
10·4	10·1	11·7	
10·8	10·2	42·2	
10·8	11·2	45·0	
10·7	11·7	24·8	
10·0	13·2	59·7	
9·6	15·2	10·3	9·5
10·0	18·7	45·0	
9·8	21·7	38·4	
10·1	21·7	21·5	
10·7	31·2	53·1	
10·8	33·2	3·8	
10·8	42·0	2·2	
10·4	43·2	53·0	
10·6	46·7	11·3	
10·7	49·7	57·5	
9·8	53·7	9·6	
9·8	55·2	10·5	
10·7	55·7	20·0	
10·6	59·2	40·1	
9·8	26 0·7	26·3	
10·0	4·2	42·9	
10·0	5·7	25·5	
10·4	9·7	0·9	
10·8	11·7	28·7	
10·0	13·7	54·4	
10·2	16·2	23·5	
10·0	16·2	26·3	
10·8	18·2	55·5	
9·0	18·7	39·1	9·5
10·2	23·2	20·1	
10·0	26·2	46·9	
8·4	27·2	8·7	8·5
10·6	29·7	32·2	
10·7	29·7	33·1	
10·7	38·4	0·6	
10·2	39·2	44·8	
9·8	40·5	59·6	
10·8	42·8	3·8	
10·7	45·7	1·0	
9·6	46·7	1·2	
10·7	48·2	38·7	
10·2	51·2	5·5	
10·6	51·7	36·8	
9·4	52·7	51·1	
9·8	54·7	47·6	
9·8	59·7	45·2	
9·8	59·7	4·1	
10·8	27 0·8	46·6	
10·8	1·7	37·1	
10·7	1·7	20·9	
10·2	5·2	13·1	
10·0	5·2	34·5	
10·8	5·2	56·9	
10·0	8·9	1·4	
10·8	13·7	58·7	
10·4	14·7	47·9	
10·4	15·7	5·6	
9·8	15·7	40·5	
	+0 56·2	−5·0	

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2521—2580.

mag.	8h. m s	—37° ′	
10·0	27 18·7	15·8	
10·7	20·2	40·3	
10·8	26·2	50·6	
10·4	30·7	52·1	
10·8	31·2	51·8	
8·1	35·2	29·7	8·5 –
10·6	38·7	20·6	
9·4	39·7	34·9	9·5
10·0	46·9	0·0	
10·0	49·7	26·9	
10·8	50·7	39·8	
10·6	51·7	19·8	
9·3	51·7	9·7	
9·2	54·2	33·6	9·5
10·0	55·7	9·7	
10·0	59·7	11·8	
10·6	59·7	38·3	
8·6	59·7	2·7	8·5
10·8	28 0·7	54·3	
10·2	9·7	36·3	
10·2	12·7	40·9	
8·4	13·2	45·0	8·5 G –
10·7	15·1	37·2	
10·2	15·2	53·9	
8·7	15·2	19·4	
10·6	19·2	52·5	
10·6	19·7	11·3	
10·6	19·7	53·0	
10·0	29·7	9·7	
10·7	31·7	26·1	
10·8	39·2	28·5	
7·0	39·7	56·7	7·0 GS–g
10·6	45·7	30·5	
9·4	48·7	13·7	
10·8	49·7	57·1	
8·8	50·7	46·7	8·0 G
9·8	52·7	44·1	
9·8	52·7	15·5	
10·6	55·2	15·9	
10·0	58·7	54·9	
10·8	29 2·7	4·1	
10·8	6·7	13·1	
9·8	7·2	21·2	
8·9	13·0	57·8	9·5
8·4	18·2	46·4	8·5 –
8·9	19·7	18·2	
10·8	20·2	3·7	
10·4	21·2	7·8	
10·8	23·7	6·4	
10·4	23·7	13·4	
8·2	33·2	55·5	8·2 G–g
9·8	36·0	23·7	
10·7	39·7	34·5	
9·6	43·7	3·9	
7·8	46·2	10·9	7·0 GSgt
9·6	49·7	11·9	
10·7	54·7	58·6	
10·7	30 1·2	45·9	
10·8	2·7	30·9	
9·8	5·2	15·4	
25pr.	+ 0 56·4	– 5·1	

2581—2640.

mag.	8h. m s	—37° ′	
10·0	30 9·7	43·6	
9·8	10·2	39·1	
10·6	11·7	21·5	
10·4	17·7	14·1	
10·0	19·7	5·9	
10·6	21·7	34·2	
10·8	28·2	25·1	
9·3	33·7	16·3	9·5
10·0	35·2	53·8	
9·8	37·2	24·4	
10·0	39·4	56·9	
10·6	39·7	8·0	
10·0	42·2	29·9	
10·8	42·7	0·6	
10·8	43·4	2·1	
10·8	46·7	12·0	
9·3	49·7	22·5	
9·8	50·2	19·8	
10·8	52·2	11·9	
10·4	55·2	45·9	
10·0	58·7	5·6	
10·8	31 2·7	29·9	
9·2	3·7	13·1	9·0 G
10·0	6·2	56·0	
9·8	6·2	35·4	
10·4	7·2	6·1	
10·8	8·7	32·7	
10·4	9·2	8·0	
10·6	9·7	16·2	
8·3	11·7	52·0	8·8 G=
10·8	11·7	9·9	
10·0	12·7	2·8	
10·2	21·7	5·0	
10·4	24·2	54·3	
9·8	27·7	26·8	
9·6	31·2	19·1	
10·8	35·2	48·7	
10·2	41·2	13·2	
10·8	54·7	50·9	
10·2	54·7	7·9	
10·4	58·2	9·9	
10·7	58·7	18·7	
10·2	59·7	59·5	
9·8	32 1·2	4·5	
9·8	8·6	16·8	
10·8	9·1	3·4	
8·6	10·1	32·7	9·0 S
10·8	16·6	11·8	
10·7	22·6	53·1	
10·7	23·1	57·2	
9·2	24·6	28·5	8·5 GS–g
10·4	25·1	25·8	
10·8	29·1	23·8	
10·4	30·6	52·8	
10·4	30·6	50·1	
10·8	33·1	0·7	
9·8	39·6	12·2	
10·8	41·8	28·6	
10·8	45·6	28·1	
10·7	48·1	55·0	
	+ 0 56·6	– 5·1	

2641—2700.

mag.	8h. m s	—37° ′	
8·6	32 49·1	45·9	9·0
9·0	49·6	15·9	
9·8	50·1	38·4	
10·4	51·1	54·7	
10·6	51·1	54·0	
10·0	57·1	39·5	
10·8	58·1	10·7	
9·8	58·6	29·5	
10·2	33 3·1	59·1	
10·0	5·1	44·5	
10·8	7·8	5·3	
10·6	12·6	0·9	
9·2	13·1	15·0	
10·2	13·6	37·0	
7·2	22·6	34·2	7·5 GS÷g
10·0	23·6	15·9	
10·8	28·1	36·3	
10·2	35·1	14·0	
9·8	42·6	10·0	
9·8	43·6	29·9	
10·0	44·6	31·9	
10·0	45·2	59·7	
9·8	48·6	21·1	
10·8	54·6	31·9	
10·4	57·6	29·0	
9·8	34 7·6	18·6	
10·0	7·6	25·9	
10·0	9·6	30·0	
10·2	23·1	11·6	
10·2	25·1	11·7	
10·7	26·1	5·7	
8·4	29·3	2·0	7·2 GSg
10·8	34·6	6·2	
10·0	34·6	27·6	
10·0	35·6	14·7	
10·0	36·1	27·2	
10·8	39·6	53·9	
9·6	43·1	25·9	
10·6	44·9	57·8	
10·8	54·6	31·6	
10·7	57·6	3·3	
10·0	59·6	20·0	
9·2	35 1·6	25·6	9·5
10·8	1·6	48·4	
10·7	4·6	43·5	
10·6	9·6	37·5	
10·0	11·1	55·6	
9·8	15·1	13·4	
10·4	15·6	15·4	
10·6	19·6	4·8	
10·8	19·6	7·8	
10·8	24·6	3·7	
9·6	24·6	38·9	
10·2	25·6	58·1	
10·6	29·1	29·3	
10·6	30·1	5·4	
10·8	38·6	17·6	
9·8	39·6	20·7	
10·8	41·6	25·3	
9·8	43·6	40·3	
	+ 0 56·7	– 5·2	

2701—2760.

mag.	8h. m s	—37° ′	
10·7	35 44·1	39·7	
10·4	44·1	13·9	
10·8	47·1	39·6	
10·6	49·6	52·9	
10·4	51·1	20·7	
10·6	36 4·6	43·2	
10·8	9·1	24·8	
10·0	13·6	41·7	
10·4	15·6	17·3	
10·0	19·1	51·7	
9·4	20·6	57·3	9·0–
10·0	23·1	18·0	
10·0	25·6	39·4	
10·4	30·1	4·6	
9·2	34·1	25·1	10·0
10·4	43·6	46·0	
10·7	45·1	34·4	
10·8	51·1	6·8	
9·8	52·6	43·6	
10·4	37 1·6	22·0	
10·6	3·1	21·0	
10·4	5·6	6·2	
10·4	7·6	54·0	
8·7	9·6	18·7	9·5–
10·6	11·1	5·8	
10·7	11·6	48·5	
10·0	15·8	59·5	
10·0	19·6	4·3	
10·8	21·6	3·3	
9·8	22·6	25·3	
10·4	24·6	25·2	
10·6	26·6	29·9	
9·4	28·6	51·1	
10·8	35·6	41·6	
9·6	41·2	12·9	
10·6	44·6	8·7	
10·6	54·6	9·4	
9·8	54·7	13·0	
9·4	56·2	22·7	
9·8	57·2	21·9	
10·8	38 1·6	0·9	
10·8	3·6	23·7	
10·4	4·4	16·4	
10·8	4·6	40·5	
10·7	4·6	13·4	
10·2	18·8	49·0	
9·8	26·7	54·7	
10·2	28·7	18·3	
9·8	30·0	1·0	
9·0	30·7	25·7	9·5
10·0	33·2	11·8	
9·8	42·2	38·1	
10·2	44·2	42·6	
9·4	45·2	48·5	9·0
9·4	47·7	26·8	
9·4	49·7	46·8	
9·6	53·7	22·4	
10·0	39 0·7	10·1	
10·2	4·7	42·5	
8·8	13·2	35·4	9·0
	+ 0 56·9	– 5·3	

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2761—2820.

mag.	8h. m s	−37° ′	
10·2	39 17·2	3·1	
9·2	23·7	33·1	9·5
10·2	23·7	23·9	
9·6	26·7	37·9	
9·6	29·7	17·1	
7·4	30·7	4·7	7·0 GSt
10·2	33·2	46·9	
10·2	36·2	2·2	
9·6	37·2	43·1	
10·0	38·7	10·0	
10·2	39·7	59·4	
10·2	40·7	11·1	
10·0	44·2	31·0	
9·6	48·2	24·1	
8·8	48·7	30·8	8·5 –
9·8	56·2	53·3	
10·2	58·7	29·6	
8·5	58·7	33·0	9·0 –
10·2	40 2·7	41·1	
10·2	6·7	36·5	
9·6	8·7	29·5	9·5
10·0	12·7	12·8	
10·2	14·7	57·9	
10·2	17·7	37·5	
10·2	18·4	56·6	
10·2	18·7	18·4	
9·0	24·2	29·4	8·5 –
10·2	26·7	15·6	
10·0	28·2	27·1	
10·0	30·0	2·2	
8·8	33·7	12·6	
10·2	37·8	1·0	
9·6	43·7	28·2	
10·2	44·2	4·2	
9·6	57·2	13·2	
9·8	59·2	40·2	
10·0	41 2·7	35·8	
10·2	3·7	38·6	
10·2	4·7	33·8	
7·3	4·7	25·3	7·5 GS–g
9·4	8·2	19·9	
10·0	8·7	17·9	
9·6	11·2	30·0	
10·2	15·2	53·0	
10·2	19·2	34·9	
10·2	24·2	38·4	
9·8	32·2	22·9	
9·4	33·7	36·2	
9·3	37·7	50·9	9·2
10·0	37·7	52·8	
10·0	40·7	57·8	
10·0	46·9	58·6	
9·1	48·2	27·2	
9·8	48·7	17·4	
10·0	54·7	7·4	
9·4	42 0·2	10·3	
10·2	0·2	33·1	
9·6	1·7	23·0	
9·4	9·2	55·0	
10·0	9·2	19·0	
25pr.	+0 57·2	−5·4	

2821—2880.

mag.	8h. m s	−37° ′	
10·2	42 14·2	35·0	
9·6	22·2	49·1	
8·6	29·7	39·7	8·5 –
9·8	31·2	52·6	
9·6	34·7	32·1	
8·5	39·2	34·4	9·0
10·2	40·2	37·6	
9·0	42·7	30·3	9·5
10·2	43·2	14·5	
9·6	44·7	38·7	
9·4	48·7	36·5	
10·2	43 2·7	12·5	
8·6	6·7	31·8	9·0 –
10·2	8·7	13·8	
10·2	10·7	16·8	
10·2	10·7	43·1	
9·6	10·7	53·4	
9·4	18·7	34·4	
9·4	24·2	25·5	
10·0	26·7	53·8	
9·4	28·7	3·8	
8·8	28·7	37·5	9·5
9·8	29·1	2·4	
9·4	29·2	45·2	
9·8	36·7	42·1	
9·4	42·2	27·9	
10·0	45·7	20·8	
10·0	51·2	44·9	
10·2	52·2	57·0	
9·1	54·7	17·2	
8·0	57·2	32·5	9·0 W–
9·6	57·7	30·2	
10·2	58·4	57·3	
10·2	44 2·2	23·1	
9·6	3·2	31·0	
9·6	8·7	43·9	
10·2	12·7	5·6	
9·6	15·4	56·9	
10·2	18·7	23·3	
9·6	18·7	14·0	
10·2	27·2	36·6	
10·2	28·7	17·3	
10·2	28·7	43·1	
8·8	47·2	28·9	9·0
10·2	48·2	57·3	
10·0	48·7	6·7	
10·2	49·7	22·5	
10·2	54·7	13·9	
9·8	56·7	35·9	
9·8	58·7	49·1	
9·4	59·7	40·7	
10·2	45 14·7	14·2	
8·8	20·2	22·2	9·0 –
10·2	23·2	8·8	
9·4	24·7	20·9	9·0
10·0	26·7	21·7	
8·4	36·2	50·9	8·5 G
10·0	38·2	18·3	
10·2	39·9	57·6	
9·4	43·2	38·4	
	+0 57·4	−5·5	

2881—2940.

mag.	8h. m s	−37° ′	
9·4	45 43·2	45·5	
9·8	48·7	21·8	
10·2	52·7	51·1	
10·2	52·7	10·6	
9·4	53·7	57·5	
10·2	56·7	16·0	
10·0	57·7	39·5	
9·0	58·7	46·6	9·0
8·8	46 2·2	23·4	
10·0	7·1	59·9	
9·0	18·7	44·8	
9·8	22·2	30·1	
9·6	27·2	8·8	
10·2	28·7	12·1	
10·0	28·7	19·2	
9·8	38·7	3·4	
10·0	40·7	16·5	
8·4	42·8	0·8	8·5
10·2	47·1	35·0	
10·0	49·6	35·1	
10·2	54·6	42·3	
9·8	55·6	44·4	
10·2	47 4·1	33·0	
8·8	11·1	10·5	10·0
10·0	15·1	17·9	
10·0	17·1	30·6	
9·6	22·6	26·9	
10·2	26·6	42·6	
9·4	49·1	54·1	G
9·8	50·6	48·5	
10·2	58·6	50·2	
9·1	48 0·1	44·5	10·0
10·0	1·6	39·8	
8·6	2·6	43·6	9·0
9·6	6·6	39·7	
9·8	6·6	12·2	
10·2	12·1	55·9	
10·2	15·1	25·1	
9·8	15·6	5·6	
10·2	17·5	33·0	
10·2	22·1	0·8	
10·2	22·5	42·2	
10·2	27·1	38·9	
9·8	29·1	10·2	
9·4	29·6	42·8	
10·0	30·6	36·6	
9·8	35·6	4·9	
10·2	40·1	47·1	
9·4	40·3	2·9	
10·2	49·1	33·6	
10·0	52·1	13·6	
9·4	53·1	50·7	
9·6	59·3	0·0	
10·2	49 6·6	32·3	
10·0	11·6	40·1	
9·4	13·6	43·2	
9·4	16·1	12·3	
10·2	23·1	32·8	
10·0	25·1	5·1	
10·2	30·1	35·5	
	+0 57·7	−5·6	

2941—3000.

mag.	8h. m s	−37° ′	
9·8	49 34·6	37·1	
10·2	46·1	35·1	
10·0	48·6	32·1	
9·0	50 1·1	55·8	8·5 –
9·6	2·1	20·7	
10·2	9·1	43·1	
10·2	19·1	48·3	
9·8	20·6	9·0	
10·0	24·4	11·3	
8·8	29·6	51·0	8·0 W–
10·0	32·1	7·0	
9·4	34·6	18·4	
9·6	39·1	20·9	
10·2	52·1	24·8	
10·2	51 2·3	2·0	
10·2	2·6	40·2	
9·4	4·1	40·3	
9·4	4·1	52·0	
9·6	5·6	20·3	
9·6	13·1	45·9	
9·6	17·6	34·0	
9·4	18·6	17·1	
9·8	19·1	51·0	
9·6	21·1	45·2	
9·8	22·6	56·5	
10·2	29·1	10·6	
9·3	30·1	23·6	
10·2	41·1	22·4	
10·2	44·1	45·9	
9·4	48·1	10·0	
10·2	50·1	2·8	
10·0	55·1	43·0	
10·2	55·6	40·1	
10·2	59·1	11·2	
9·8	52 0·1	27·6	
9·8	5·1	56·0	
10·0	10·1	35·1	
9·6	11·6	33·1	
10·2	19·1	2·8	
10·0	24·1	26·2	
9·2	28·6	21·5	9·5
9·4	29·1	8·4	
10·2	35·6	51·6	
10·2	39·1	39·5	
10·2	40·1	36·3	
10·2	41·1	23·3	
9·8	43·6	49·7	
9·6	43·6	53·7	
10·2	44·1	6·5	
10·2	47·1	58·3	
9·8	47·6	10·2	
10·2	49·6	21·8	
10·0	52·6	42·5	
10·2	56·6	12·9	
10·2	57·6	49·1	
9·8	53 1·1	26·0	
9·4	5·1	16·6	9·0
9·3	7·1	14·1	8·5
10·2	9·6	34·1	
9·4	11·1	49·8	
	+0 58·1	−5·7	

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3001—3060.

mag.	8h. m	s	−37° ′	
9·4	53	21·1	43·1	
10·2		24·1	11·2	
9·6		24·6	54·6	
9·3		32·1	34·7	10·0
10·2		33·6	41·2	
10·2		36·1	27·0	
9·6		41·6	0·1	
10·2		45·1	16·3	
10·2		46·6	20·1	
10·2	54	2·1	58·8	
10·2		6·6	16·3	
9·6		7·1	6·7	
8·5		20·6	44·6	9·0 —
9·4		23·6	34·1	9·5
9·8		27·1	12·9	
10·0		28·1	3·5	
9·6		29·1	7·2	
9·6		30·1	8·8	
10·0		31·6	6·3	
10·2		32·6	45·7	
10·2		34·1	45·9	
9·1		36·1	36·3	9·0
10·2		41·1	52·3	
9·6		47·6	2·3	
9·6		51·1	45·9	
10·2		53·1	17·9	
10·2	55	7·1	35·1	
10·2		8·1	3·8	
9·6		13·1	42·1	
9·6		18·1	1·3	
9·8		20·1	17·3	
10·2		27·9	58·9	
9·8		33·1	6·5	
9·6		39·1	35·1	
9·0		44·1	36·2	
7·5		52·1	55·9	8·0 GSt
9·6		56·1	43·5	9·5
9·4	56	4·6	53·7	
10·0		5·6	11·1	
10·2		7·1	48·1	
10·2		10·1	59·0	
9·1		14·1	17·1	
9·4		18·1	43·2	
10·2		21·1	20·3	
10·2		29·1	31·9	
10·0		30·6	6·1	
10·2		33·1	35·7	
10·2		39·1	57·8	
9·8		40·1	57·7	
9·8		40·1	10·1	
9·0		42·0	35·9	8·5
10·2		43·1	53·2	
9·6		44·6	15·6	
9·6		49·1	43·1	
9·6		54·1	46·9	
10·2		58·1	45·1	
9·0		58·6	41·7	9·0
10·2	57	0·1	16·1	
9·4		7·4	56·9	
10·2		11·6	13·1	
25pr.	+0	58·4	−5·8	

3061—3120.

mag.	8h.–9h. m	s	−37° ′	
10·0	57	19·6	7·5	
10·2		21·1	49·2	
10·2		29·1	45·7	
9·4		32·1	27·3	
10·2		32·6	49·0	
8·8		39·6	26·4	9·0
10·2		40·1	41·2	
9·8		41·1	7·7	
9·8		42·3	2·3	
9·8		54·6	30·1	
10·2		59·1	4·0	
9·6	58	0·6	12·7	
9·6		2·6	7·1	
10·2		7·1	38·6	
9·8		17·1	13·3	
10·2		17·1	45·3	
9·6		17·1	49·1	
9·6		21·1	18·0	
9·4		28·1	55·1	
10·2		28·6	34·5	
10·2		33·1	1·3	
9·6		43·1	12·8	
10·2		44·1	19·3	
10·2		49·0	19·1	
8·6		50·1	41·4	8·5 G—
10·2		53·1	54·3	
10·0		58·6	12·5	
8·8	59	11·1	38·3	9·0 —
10·2		11·6	21·9	
10·2		13·1	44·8	
10·2		17·1	47·6	
10·2		18·6	0·6	
10·2		19·1	21·5	
9·6		23·1	8·7	
10·2		24·1	37·6	
10·2		25·6	47·2	
9·4		33·1	11·7	10·0
10·0		43·1	27·6	
9·6		43·1	34·4	
9·6		53·1	18·2	
9·6		57·1	20·1	
9·0		58·1	18·2	9·5
10·2		59·6	16·3	
10·2	0	4·6	46·3	
9·8		5·1	31·7	
9·4		9·1	9·4	10·0
10·2		22·6	6·8	
9·0		36·6	17·7	
10·2		41·1	14·2	
10·2		58·6	33·4	
8·4		59·1	44·8	9·0 —
10·0	1	4·1	51·6	
10·2		7·6	50·2	
10·0		7·6	49·2	
10·2		14·1	10·6	
9·8		19·9	2·9	
10·0		27·1	54·0	
9·6		31·1	48·2	
9·8		32·6	58·0	
9·6		34·1	37·0	
	+0	58·6	−5·9	

3121—3180.

mag.	9h. m	s	−37° ′	
10·0	1	35·3	58·4	
10·2		37·6	9·5	
10·0		42·1	32·1	
9·4		44·1	30·4	9·5
9·6		48·1	15·1	
9·6	2	0·1	52·6	
10·0		0·6	32·0	
10·2		3·6	52·8	
9·8		3·6	54·0	
10·2		3·6	0·3	
10·0		10·3	57·0	
9·4		12·6	36·2	9·5
9·6		13·1	17·2	
9·6		21·3	58·1	
10·2		22·6	56·6	
9·6		26·1	18·9	
9·8		36·6	36·4	
10·2		39·8	13·2	
9·4		43·3	20·7	
10·2		43·6	42·5	
10·2		44·6	18·0	
9·3		46·1	33·3	
10·0		46·3	38·8	
10·2		51·2	41·2	
10·2		51·8	41·5	
9·4		51·8	4·4	
10·2		57·1	51·7	
10·2		59·1	54·5	
9·8	3	2·1	50·9	
9·8		4·8	59·1	
10·8		20·9	36·9	
10·8		29·0	19·0	
10·8		31·0	0·9	
10·0		33·8	44·5	
10·8		34·4	45·0	
10·8		41·4	50·3	
9·3		41·4	48·3	
10·4		44·4	38·0	
9·7		48·1	12·9	
9·4		58·6	36·9	
10·8		59·6	1·9	
10·6	4	7·6	31·6	
9·6		8·6	12·1	
10·8		11·1	41·8	
10·8		11·1	31·7	
10·8		17·6	10·5	
10·8		19·6	51·4	
8·6		22·1	12·6	8·5
10·8		25·6	50·0	
10·0		28·6	15·2	
10·8		33·6	7·0	
10·8		38·6	31·2	
10·8		41·1	20·8	
10·4		53·6	13·8	
10·6		53·6	8·8	
9·0	5	0·6	0·5	9·5
10·8		11·6	41·7	
10·2		17·6	5·1	
10·8		33·6	37·0	
10·8		38·1	4·4	
	+0	58·9	−6·0	

3181—3240.

mag.	9h. m	s	−37° ′	
8·6	5	38·1	7·8	
9·8		40·6	39·2	
10·8		43·1	51·9	
10·0		51·1	27·1	9·5
10·8		57·1	55·8	
10·6	6	0·1	20·2	
10·4		1·1	52·4	
9·3		3·1	34·1	9·5
9·7		3·6	14·4	
10·8		9·6	9·7	
10·0		12·6	22·3	
9·6		13·6	54·4	
10·6		19·6	34·8	
10·4		23·6	0·3	
10·8		26·1	25·1	
10·0		31·1	58·9	
10·4		35·6	16·6	
9·8		35·6	10·9	
10·8		37·6	16·0	
10·6		38·6	0·2	
9·0		42·6	10·1	9·5
10·6		45·1	5·0	
10·8		48·6	38·0	
10·8		49·6	37·2	
10·6		49·9	58·4	
9·0		52·6	10·2	9·0
9·8		53·1	30·2	
10·0		54·6	48·9	
10·0		55·6	47·0	
10·8		57·6	18·2	
9·3		58·6	43·8	
9·7	7	16·6	35·5	
9·6		19·6	18·3	
10·2		20·6	22·9	
10·8		21·1	3·1	
10·6		23·1	1·1	
9·0		28·6	32·2	
10·2		32·6	16·2	
10·8		43·1	52·0	
10·2		47·1	44·2	
9·5		53·1	37·0	
10·8		54·6	10·2	
9·7		58·1	18·8	
10·8		59·6	32·2	
10·0	8	6·1	8·4	
10·6		18·6	29·8	
10·4		20·6	13·6	
10·8		21·1	51·1	
10·4		26·6	26·6	
10·8		27·6	8·3	
10·8		28·1	8·0	
10·8		28·1	25·0	
10·6		31·6	16·1	
10·8		42·2	1·4	
10·8		43·1	0·9	
10·2		46·1	40·9	
9·3		47·9	1·6	9·5
10·0		48·6	42·9	
10·4		48·6	15·4	
10·2		59·6	57·0	
	+0	59·3	−6·1	

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3241—3300.

mag.	9h. m	s	−37° ′	
10·8	9	3·1	7·9	
10·8		5·6	18·2	
9·8		6·1	55·0	
10·6		10·6	43·0	
10·6		11·6	15·4	
10·6		14·1	42·2	
10·8		18·6	27·8	
9·4		18·6	47·2	
9·2		26·6	59·8	
10·2		31·1	39·2	
10·4		37·6	4·1	
8·6		38·6	11·7	8·5 G
10·4		41·6	6·6	
10·6		43·1	37·6	
9·7		52·1	3·8	
10·4		52·1	32·3	
10·8		54·1	17·9	
10·6		54·6	30·9	
7·0		58·6	5·0	6·5 GStπ
10·8	10	2·6	37·0	
10·6		3·6	50·6	
10·8		11·6	43·0	
9·5		12·6	56·2	
10·8		17·6	42·1	
10·0		19·6	14·8	
10·2		23·6	52·9	
10·0		29·6	44·3	
10·4		31·6	46·0	
10·0		31·6	44·4	
10·8		32·6	20·9	
10·8		34·6	25·0	
9·0		35·6	41·7	G
10·8		36·1	38·6	
10·8		38·6	46·6	
10·8		41·1	39·4	
7·6		52·6	6·5	7·0 GStπ
10·4		57·6	46·5	
10·4		59·1	0·8	
10·8	11	0·6	50·7	
10·8		7·1	1·5	
9·8		9·6	13·6	
9·7		14·6	15·3	
9·7		16·1	19·5	
10·8		18·6	44·7	
10·2		19·4	0·7	
9·2		27·6	3·8	8·8
9·8		28·6	14·6	
9·0		28·6	39·6	
10·6		28·6	37·1	
10·8		29·6	51·0	
10·4		33·6	36·4	
10·8		33·6	54·3	
10·6		39·0	28·7	
10·4		39·0	36·9	
10·8		47·0	42·9	
10·8		52·0	22·8	
10·8	12	7·0	22·8	
9·8		15·0	14·8	
9·4		15·0	43·2	
10·0		22·5	20·0	
25pr.	+0	59·6	−6·2	

3301—3360.

mag.	9h. m	s	−37° ′	
10·8	12	24·0	34·5	
10·6		25·0	12·6	
10·8		28·5	18·2	
9·5		29·0	21·1	
10·8		29·0	10·9	
10·0		32·5	34·6	
8·7		34·5	29·5	
10·6		37·0	38·2	
10·8		37·5	46·4	
10·8		42·2	43·1	
10·0		44·0	40·3	
9·8		44·0	23·7	
10·0		44·0	9·6	
9·7		44·5	45·1	
10·4		51·0	49·3	
10·6		55·5	49·2	
10·8	13	2·0	36·2	
10·8		3·0	0·5	
10·8		10·0	17·9	
10·8		16·5	48·5	
10·6		19·0	15·2	
10·8		19·3	2·2	
9·2		19·5	51·2	
9·8		20·0	18·1	
10·8		25·0	50·3	
10·6		27·0	16·1	
10·6		36·0	21·5	
10·8		39·0	50·0	
9·8		43·0	18·2	
10·8		46·5	4·4	
9·8		48·0	35·7	
10·8		49·0	4·1	
10·8		59·0	31·5	
10·8	14	0·0	47·6	
10·0		1·0	4·0	
9·6		3·0	4·3	
10·6		8·0	11·7	
10·8		15·5	36·2	
10·8		17·0	41·1	
10·6		17·0	3·1	
10·4		17·5	11·1	
10·2		19·0	37·9	
10·0		20·0	24·6	
9·6		20·0	31·6	
9·8		21·5	9·0	
9·8		22·5	7·2	
9·8		27·0	45·5	
10·8		30·1	2·0	
10·4		31·0	41·5	
10·4		33·5	35·0	
10·2		34·0	44·1	
9·0		38·0	37·0	8·5 −
10·8		38·3	2·4	
10·8		39·0	45·0	
10·0		41·5	19·7	
10·4		43·0	33·8	
10·8		45·0	27·0	
10·8		48·0	40·7	
10·8		49·0	32·9	
9·8		55·5	35·0	
	+0	59·8	−6·3	

3361—3420.

mag.	9h. m	s	−37° ′	
10·0	14	59·0	33·4	
10·2	15	10·0	5·3	
9·5		11·0	16·7	
10·0		12·0	33·0	
10·8		14·5	13·0	
9·8		17·0	18·7	
10·8		18·0	51·0	
10·8		19·5	47·0	
9·2		24·0	19·9	−
9·7		27·5	23·6	
7·6		28·5	3·1	7·2 GSct
10·4		54·0	40·3	
9·7		56·5	26·2	
10·4		59·0	6·2	
10·4	16	1·5	14·6	
10·8		4·0	20·0	
10·8		10·0	52·1	
10·8		10·5	37·2	
10·8		11·0	37·9	
10·8		14·0	41·1	
10·4		15·0	5·4	
9·8		24·0	51·1	
10·4		24·5	6·1	
10·0		28·0	27·3	
10·4		30·0	45·5	
10·6		30·0	23·9	
10·8		31·7	58·7	
10·4		34·0	27·4	
10·8		36·5	21·0	
10·8		37·5	11·9	
10·4		39·0	15·3	
10·4		39·0	33·2	
10·2		44·0	46·9	
10·4		44·0	5·0	
9·2		49·0	21·3	
10·8		49·0	5·0	
9·4		50·0	55·0	
10·8		50·0	33·8	
10·4		54·0	56·6	
10·2		59·0	52·0	
10·8	17	3·5	3·7	
10·8		9·0	35·0	
10·6		19·4	3·3	
9·4		21·4	47·8	
9·6		23·4	6·4	
10·0		25·4	58·4	9·5
9·4		27·9	40·7	
10·8		32·4	8·2	
10·0		32·9	45·1	
9·0		33·9	55·8	9·0 =
10·8		37·4	12·1	
10·0		41·4	40·3	
10·0		41·4	20·9	
9·8		44·9	32·1	
10·8		50·4	19·0	
10·0		55·4	53·4	
10·8		56·4	58·4	
10·0	18	2·9	0·2	
10·0		7·4	41·2	
10·4		8·4	53·0	
	+1	0·1	−6·3	

3421—3480.

mag.	9h. m	s	−37° ′	
10·8	18	9·4	34·1	
10·2		12·9	46·1	
10·0		15·9	37·9	
10·8		17·9	53·0	
10·4		18·3	1·0	
10·8		18·4	53·7	
10·8		19·4	47·9	
9·0		21·4	47·3	9·0 −
10·2		21·4	21·3	
10·0		21·9	2·1	
10·0		23·4	12·2	
9·2		24·4	42·8	9·5
10·4		27·4	4·3	
10·4		27·4	8·6	
10·8		28·4	26·0	
10·8		28·4	2·5	
8·9		28·9	36·3	9·5
10·8		30·9	26·8	
10·6		32·9	8·9	
10·4		36·4	9·5	
10·8		36·9	39·6	
10·8		36·9	30·2	
10·4		37·4	54·4	
7·0		43·4	13·3	7·0 GSt
9·8		44·9	35·0	
10·0		48·4	46·4	
9·6		48·4	40·1	9·0
10·0		49·9	32·7	
10·8		53·4	37·1	
10·8		57·4	8·1	
9·8		59·4	12·6	
10·8	19	0·4	7·4	
9·5		2·9	25·1	
10·8		7·4	2·4	
10·6		11·4	16·2	
10·0		13·9	52·6	
10·6		15·4	10·9	
10·8		19·9	8·5	
10·2		21·9	30·8	
10·8		31·4	2·1	
10·8		31·4	2·4	
10·0		39·4	17·8	
9·5		40·4	31·2	
9·4		43·4	19·2	
9·2		49·4	10·1	9·5
10·8		49·9	33·9	
10·0		55·9	58·1	
9·4	20	1·4	30·1	
7·8		4·4	32·5	−
10·8		8·4	0·7	
10·6		9·4	18·4	
10·8		11·4	7·1	
10·6		14·4	40·3	
10·8		14·9	23·4	
10·8		20·9	23·1	
10·8		21·4	17·7	
10·4		31·6	19·8	
10·8		36·1	52·2	
8·6		43·6	3·6	9·5
10·8		49·1	19·8	
	+1	0·2	−6·4	

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3481—3540.

mag.	9h. m s	—37° ′	
10·8	20 49·6	41·2	
10·0	54·1	20·1	
9·6	59·6	5·1	
10·8	21 1·1	16·3	
10·8	2·1	27·1	
9·7	5·6	1·0	9·5
10·8	9·1	15·8	
9·8	12·6	22·1	
10·6	18·1	54·2	
9·3	19·6	43·2	
10·4	24·6	10·6	
9·4	24·6	19·8	
10·0	28·6	12·7	
9·4	29·1	5·5	
10·0	29·6	8·7	
10·0	30·1	21·2	
10·8	32·1	33·2	
10·8	33·6	50·1	
10·2	34·6	44·0	10·0
9·2	37·6	40·9	9·5
10·0	43·6	39·9	
10·8	49·6	36·6	
10·4	52·1	47·3	
10·6	52·6	14·7	
10·0	53·6	38·4	
10·8	56·1	7·6	
10·4	59·1	39·2	
10·0	59·6	37·2	
10·4	59·6	13·4	
10·4	22 5·6	7·0	
10·8	8·6	7·2	
10·8	14·1	41·9	
9·8	18·3	37·1	10·0
10·8	19·8	48·3	
10·8	21·3	48·5	
10·2	21·3	43·4	
10·8	25·8	41·6	
9·8	31·8	13·7	
9·8	34·3	41·9	
10·8	37·8	14·2	
9·8	39·8	35·1	
10·4	50·9	57·3	
10·0	54·3	36·4	
10·8	54·8	13·2	
10·0	23 0·8	33·3	
10·0	4·8	59·5	
10·8	5·8	24·0	
10·8	7·8	48·9	
10·4	9·8	9·0	
8·1	15·8	40·3	8·0
10·8	18·8	31·8	
10·4	19·8	41·6	
8·9	22·3	32·9	8·5
10·8	22·8	26·5	
10·8	27·3	36·2	
10·4	41·8	23·3	
10·4	44·8	53·3	
10·4	47·8	47·8	
10·8	48·8	40·0	
10·8	49·8	18·1	
25pr.	+1 0·5	−6·4	

3541—3600.

mag.	9h. m s	—37° ′	
8·7	23 51·8	17·4	8·5
10·6	52·3	31·1	
10·8	52·8	52·7	
10·0	55·3	9·1	
10·8	55·3	52·5	
10·8	58·3	18·7	
10·4	24 8·8	44·1	
9·6	12·3	48·5	9·2
6·6	14·8	51·4	6·5 GS
10·6	21·8	54·9	
10·8	23·8	42·9	
9·5	31·8	8·1	
10·2	34·8	34·5	
10·0	39·8	47·0	
9·5	47·3	4·2	
9·3	48·3	38·0	G
10·8	52·2	0·9	
10·8	25 1·8	20·5	
9·7	2·8	8·5	
10·6	4·8	20·4	
10·0	6·8	17·2	
9·3	8·8	23·8	
10·8	22·3	34·3	
10·8	24·8	16·8	
10·6	25·8	51·1	
9·6	27·3	41·2	9·5
10·4	29·8	30·4	
10·0	30·8	43·4	
8·5	31·8	48·8	9·0 G–g
10·0	42·8	50·2	
8·5	43·8	52·0	8·5 Gg
9·7	43·8	53·4	G
10·8	54·8	24·1	
10·8	55·3	9·2	
10·0	55·8	52·7	
9·3	26 16·8	20·7	
10·4	17·8	50·6	
10·8	20·8	32·9	
10·6	30·8	7·1	
10·2	44·3	23·5	
10·4	48·8	22·4	
10·2	48·8	5·7	
10·0	49·8	23·0	
10·2	50·8	47·1	
9·4	57·0	21·1	
10·2	27 6·0	20·7	
10·2	6·5	50·4	
9·8	10·5	25·0	
10·6	13·5	8·8	
8·9	21·0	53·5	10·0
9·7	22·0	7·9	
8·1	27·0	45·8	9·0
10·8	30·0	38·3	
10·8	30·5	38·0	
10·0	32·0	20·3	
10·4	32·3	57·7	
10·8	32·5	17·9	
10·6	34·0	40·4	
10·8	48·0	40·0	
10·2	52·0	30·6	
	+1 0·8	−6·5	

3601—3660.

mag.	9h. m s	—37° ′	
8·1	27 54·5	36·7	8·5
9·7	28 0·1	1·0	
10·8	3·1	31·6	
10·0	3·8	59·4	
9·8	4·8	39·7	10·0
9·8	4·8	7·3	
10·4	9·5	46·1	
10·8	15·0	6·0	
10·8	19·1	5·9	
10·8	25·0	10·5	
10·8	29·5	14·3	
10·4	29·8	9·2	
10·8	37·0	57·0	
9·0	44·8	17·3	
9·3	46·3	14·6	
8·8	47·3	50·0	9·0
10·8	48·5	43·6	
10·8	50·5	54·2	
9·8	29 7·3	52·7	
9·8	10·1	37·7	
9·8	11·1	54·8	
8·5	13·6	31·8	9·0 –
10·5†	18·0	59·2	
9·7	18·6	3·6	
9·8	20·6	42·9	
9·5	31·6	42·0	
9·6	34·6	26·5	
10·5†	43·0	59·2	
8·7	57·6	32·4	8·2 –
9·5	58·6	14·7	
9·8	58·6	56·0	
9·8	30 4·1	47·1	
9·7	8·6	46·7	
9·5	9·1	38·9	
9·8	26·6	45·2	
9·4	35·6	29·1	
9·6	35·6	16·8	
9·8	40·6	22·0	
9·3	43·3	58·9	
9·8	48·6	18·0	
9·6	49·1	16·7	
9·7	51·1	23·2	
9·8	57·1	30·6	
9·8	57·6	28·c	
9·6	59·6	17·7	
9·7	31 6·1	37·4	
9·8	8·6	26·0	
9·4	19·1	30·1	
9·8	20·6	32·9	
9·2	23·1	41·9	
9·4	26·1	57·7	9·2
9·8	35·1	36·8	
9·6	36·1	51·9	
9·8	37·1	34·3	
9·3	42·1	16·8	
9·6	45·4	0·0	
8·5	56·6	43·7	9·0 –
9·8	59·6	15·9	
8·9	32 2·6	50·3	9·0
9·0	8·1	24·7	9·0 –
	+1 1·2	−6·6	

3661—3720.

mag.	9h. m s	—37° ′	
9·8	32 24·6	26·0	
8·8	44·6	16·3	9·0
9·8	58·6	25·8	
9·2	59·6	9·4	
9·8	33 7·1	43·6	
9·6	9·6	12·1	
9·5	27·8	57·1	
9·8	34·6	37·4	
9·4	34·6	43·9	
9·8	37·1	9·6	
9·4	37·6	20·0	
9·5	45·1	16·1	
9·2	34 28·6	54·1	
9·0	32·6	9·0	9·0
8·8	40·4	0·6	
9·8	42·1	49·2	
8·8	44·1	8·8	8·8
9·3	47·1	38·9	–
9·7	48·6	47·3	
9·5	49·1	15·1	
9·7	50·1	3·9	
9·8	59·6	13·9	
9·5	35 1·9	2·1	
9·7	8·6	53·5	
9·8	19·1	33·8	
9·4	19·6	48·2	
9·4	27·9	0·2	
9·6	29·1	8·5	
9·6	30·1	6·2	
9·5	43·6	40·0	
9·8	48·1	31·8	
9·8	56·6	2·6	
9·8	36 3·1	17·6	
9·8	6·6	47·6	
9·6	17·6	0·9	
9·6	22·6	43·2	
9·8	23·6	19·0	
9·6	28·6	59·1	
8·4	28·6	55·8	8·0 W=
9·7	33·3	57·6	
9·0	38·6	46·9	
9·8	49·6	4·8	
9·8	58·6	6·9	
9·6	37 5·6	40·1	
9·4	8·1	36·2	
9·2	18·9	1·8	9·5
9·4	19·6	13·6	
9·8	22·1	17·5	
9·3	23·6	20·2	
9·4	36·6	19·4	
9·7	36·6	52·2	
9·5	38 8·1	3·0	
9·4	23·6	17·3	
9·8	45·6	17·9	
9·8	47·6	48·5	
9·6	39 2·1	31·0	
9·3	4·1	17·4	
9·0	6·1	53·3	
9·4	20·6	32·1	
9·0	21·1	45·3	
	+1 1·7	−6·8	

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3721—3780.

mag.	9h. m	s	−37° ′	
9·7	39	24·6	44·4	
9·8		34·6	14·1	
9·7		38·6	6·7	
9·5		46·1	45·2	
9·8	40	0·1	1·0	
9·4		4·3	56·8	
9·0		12·1	32·7	
9·0		15·1	20·2	–
8·3		18·1	9·5	8·5 GW
9·8		18·6	41·7	
8·2		26·1	14·2	8·0 GW–
9·8		29·6	59·4	
9·6		31·6	43·8	
9·8		33·6	52·3	
9·8		38·1	50·2	
9·6		38·6	42·5	
9·0		48·3	59·1	
9·8		48·8	57·0	
9·8		49·6	6·9	
9·8		52·6	48·4	
9·8		56·1	41·0	
9·8		57·6	25·8	
9·5		59·1	20·0	
9·8	41	13·4	17·1	
9·8		20·4	48·8	
9·8		27·9	10·1	
9·8		34·4	8·4	
9·4		38·9	54·9	
9·8		42·4	40·6	
9·7		46·9	37·2	
9·8		58·9	36·9	
8·9	42	10·9	21·8	
9·8		13·4	3·1	
8·2		15·4	8·8	8·0 GSg
7·8		23·4	36·5	7·5 GW–
9·8		23·7	57·8	
9·8		23·7	1·4	
9·8		25·4	1·5	
9·7		27·4	3·9	
9·8		27·4	22·0	
9·8		28·9	49·1	
9·4		43·4	39·2	
9·8		44·9	27·1	
8·0		49·9	47·3	7·5 GS–
9·8	43	8·7	57·1	
8·2		14·9	3·3	7·5 GSg
9·3		19·4	6·9	9·0
9·2		22·9	9·3	9·2
9·8		23·4	14·3	
8·2		29·9	15·5	8·5
8·6		35·4	44·1	
9·6		42·9	36·3	
8·7		58·9	39·7	9·5
9·6		58·9	34·1	
9·8	44	1·4	24·3	
9·8		6·9	49·7	
8·6		12·9	46·1	8·0
9·2		28·9	52·3	
8·8		49·4	4·7	
9·4		49·9	28·2	
25pr.	+1	2·3	−6·9	

3781—3840.

mag.	9h. m	s	−37° ′	
9·8	44	52·4	56·1	
9·6		53·9	9·1	
9·8		56·8	28·4	
9·8	45	13·9	9·1	
9·8		27·4	4·4	
9·6		33·4	26·1	
8·8		37·9	9·5	9·0
9·7		37·9	44·0	
9·6		43·4	31·9	
9·3		43·9	52·0	
9·8		44·4	3·6	
9·8		57·0	59·9	
8·8	46	0·4	27·3	=
8·8		12·9	56·0	
8·9		14·9	23·3	
8·4		24·4	36·2	W–
9·4		24·8	1·7	
9·7		30·4	0·7	
9·2		34·9	35·2	
9·8		35·6	36·1	
9·7		39·9	36·9	
9·8		51·4	17·3	
9·4		57·4	15·9	
9·5	47	3·9	33·3	
9·8		3·9	27·8	
9·8		8·9	38·1	
9·0		32·9	33·3	9·0 –
9·3		36·9	56·1	
9·4		40·9	32·3	
9·8		54·9	10·3	
9·8		55·4	52·7	
8·0	48	8·9	49·3	8·0 GW–
9·8		9·2	57·8	
9·8		28·4	29·9	
9·8		29·9	39·1	
8·7		33·9	28·2	9·0
9·8		38·9	10·1	
8·4		44·4	41·9	8·0
9·7		48·9	16·2	
9·8		50·9	52·3	
9·8		57·9	20·5	
9·8	49	0·9	44·7	
9·2		8·9	26·1	
9·8		9·9	4·9	
9·1		14·9	35·9	8·5
9·8		33·9	41·3	
9·7		48·9	6·1	
9·2	50	8·9	24·2	
9·2		8·9	56·1	
9·3		12·9	50·3	
9·6		21·9	37·7	
9·8		22·4	31·1	
9·8		28·8	22·0	
9·4		36·9	10·7	
9·4		48·4	7·7	
9·7		49·9	25·2	
9·8		51·9	29·8	
9·5		58·9	35·1	
9·8		58·9	35·9	
9·8	51	0·8	25·2	
	+1	2·8	−7·0	

3841—3900.

mag.	9h. m	s	−37° ′	
8·7	51	0·9	55·0	8·0 G=
9·8		3·4	16·6	
9·8		13·9	7·5	
9·8		17·9	31·3	
9·4		27·4	44·1	
9·8		43·6	57·7	
9·8		45·9	56·6	
9·4		46·4	50·7	
9·8	52	1·3	0·9	
9·6		10·9	41·9	
9·7		13·9	34·1	
9·5		16·9	48·3	
9·4		36·9	5·3	
8·7		38·9	34·1	9·5
9·6		44·4	19·1	
9·8		53·9	37·7	
9·8	53	2·2	2·2	
9·1		11·4	35·3	9·0
9·8		14·1	53·4	
9·8		18·9	56·1	
9·6		21·6	30·1	
9·5		25·4	6·3	
9·8		26·1	2·9	
9·6		36·9	31·3	
9·3		41·9	51·4	
9·4		42·6	15·2	
9·8		58·9	7·9	
9·3		58·9	20·9	
9·8		59·1	42·7	
9·6	54	5·9	53·9	
9·8		9·8	55·9	
9·8		12·4	43·1	
9·8		22·1	49·0	
9·2		27·8	22·2	10·0
10·4		30·3	21·1	
9·6		30·8	32·1	
9·8		43·8	55·2	
10·4		48·1	1·9	
10·0		49·3	54·4	
10·6		52·8	10·0	
10·6	55	14·8	40·0	
10·6		33·3	29·8	
10·6		47·3	50·0	
10·4	56	2·8	48·0	
8·0		5·8	29·8	GS=g
9·4		11·8	29·4	G–g
9·2		12·8	5·8	9·5
10·6		16·8	49·6	
10·4		21·3	43·5	
10·4		23·8	37·1	
10·3		28·8	29·5	
9·4		30·8	40·0	
10·6		32·6	58·1	
9·8		36·3	35·6	
10·6		41·3	46·4	
10·6		58·9	42·5	
10·3	57	27·4	36·8	
10·4		29·4	20·6	
10·6		29·9	3·7	
10·6		33·2	59·6	
	+1	3·4	−7·1	

3901—3960.

mag.	9h.–10h. m	s	−37° ′	
10·6	57	34·4	18·0	
10·6		47·9	2·0	
10·6		50·9	30·2	
10·0		51·4	33·8	
9·0		56·4	39·5	
9·6	58	0·4	41·6	
9·4		1·9	31·6	
10·6		8·9	25·7	
10·2		17·4	20·2	
10·2		23·9	14·5	
9·8		28·9	19·2	
10·3		30·4	3·6	
10·6		32·9	1·8	
9·6		41·9	13·7	
10·6		42·0	29·1	
9·8	59	9·4	46·2	
10·6		9·9	41·7	
10·6		12·9	47·1	
9·8		13·9	7·6	
10·6		20·9	33·8	
10·6		42·4	17·5	
9·6		42·9	40·3	
10·6		48·9	59·3	
10·6		51·4	52·5	
9·8		54·9	42·6	
9·8	0	3·4	25·2	
10·4		8·4	22·9	
10·3		17·0	21·4	
9·4		17·0	11·1	
10·4		28·5	25·2	
10·4		31·5	17·2	
9·8		35·0	33·2	
10·3		51·0	12·3	
9·4		54·0	54·5	
10·6	1	0·0	48·3	
10·6		2·0	12·4	
9·0		9·0	36·9	–
10·6		19·0	40·8	
10·4		21·0	14·0	
10·0		29·0	11·1	
10·0		31·0	25·2	
9·4		38·0	48·7	
10·6		38·4	1·7	
10·6		41·5	12·1	
10·0		44·0	14·0	
10·0		48·0	18·5	
10·3		49·0	8·9	
10·0	2	1·4	0·5	
10·6		4·0	53·7	
10·6		4·7	2·3	
10·6		10·0	44·0	
10·6		10·0	18·2	
8·4		18·5	17·2	9·0
10·4		19·5	14·0	
10·4		20·0	44·1	
8·0		34·0	44·8	=
10·4		40·5	16·2	
10·6		42·5	4·7	
8·4		49·5	53·6	
10·6		53·0	4·1	
	+1	4·0	−7·2	

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3961—4020.

mag.	10h. m	s	−37° ′	
8·1	2	53·0	19·5	8·5
9·4		53·5	32·1	
9·4		58·0	11·2	9·0
10·6	3	2·7	49·9	
10·6		3·2	10·1	
10·6		16·2	12·0	
10·6		24·2	17·0	
8·6		26·7	33·8	9·5 –
9·8		39·2	17·2	
10·2		40·2	8·9	
10·6		43·2	5·2	
9·6		49·2	53·5	
9·2		49·2	48·1	
10·6		50·2	15·6	
8·8	4	4·7	21·0	
10·6		9·2	36·9	
10·0		12·2	49·3	
10·4		12·3	11·2	
10·6		13·7	27·9	
10·6		14·2	36·8	
10·6		16·2	27·3	
7·6		21·2	7·1	GS
10·6		28·2	14·1	
10·6		28·2	31·7	
10·3		28·7	22·2	
10·2		36·2	20·9	
9·2		48·2	51·5	
9·0		49·2	35·7	
10·4	5	2·2	9·0	
10·2		4·7	19·0	
10·4		11·7	7·8	
10·6		17·2	9·4	
10·6		27·2	49·7	
9·8		31·3	58·0	
10·6		45·2	10·9	
8·8		49·2	15·7	9·0
10·0		49·2	12·8	
9·4		56·2	9·9	9·5
9·8	6	1·2	33·5	
9·4		31·3	31·6	
10·6		34·3	13·8	
9·8		34·8	31·5	
9·4		42·8	4·4	
10·4		44·3	58·7	
9·8		45·3	50·7	
8·6		47·3	32·9	9·0 W–
9·0		50·8	44·1	9·0 =
10·6	7	14·8	17·9	
9·8		15·3	37·6	
10·6		16·3	18·9	
9·8		17·8	2·2	
9·8		18·3	32·4	
10·2		26·8	0·6	
10·4		30·8	50·0	
10·0		35·1	57·1	
9·4		39·3	36·2	
9·4		49·8	24·3	
9·2		50·8	44·3	
10·6		50·8	45·7	
9·8		58·3	41·5	
25pr.	+1	4·5	−7·3	

4021—4080.

mag.	10h. m	s	−37° ′	
10·6	7	59·8	9·3	
9·6	8	3·3	39·0	
10·6		4·8	30·8	
10·2		7·6	56·8	
10·6		19·3	6·6	
8·6		23·3	25·5	
8·6		25·3	22·4	
10·4		26·8	58·6	
10·3		36·8	34·8	
10·0		39·3	55·4	
10·6		39·3	22·1	
9·2		40·3	48·8	
10·2		41·8	58·3	
10·0		43·8	3·3	
10·6		48·8	22·9	
9·8		46·8	31·8	
9·6		55·3	32·0	
10·6		57·5	18·0	
8·6		57·8	43·8	–
10·2	9	1·5	17·8	
10·3		2·5	0·9	
10·0		7·5	35·5	
10·6		8·0	55·0	
9·4		9·5	8·2	
10·2		25·5	54·0	
10·3		30·5	50·1	
9·6		50·5	31·5	
10·6	10	2·5	36·1	
9·8		7·5	26·1	
9·4		33·0	50·9	
10·0		42·5	34·3	
10·6		55·0	26·8	
9·8	11	9·5	57·9	
9·2		23·5	27·0	
10·2		28·5	7·7	
9·4		29·5	5·3	
9·2		37·7	2·1	
10·6		43·0	39·2	
9·6		45·5	6·1	
10·6		50·0	56·9	
9·4		58·0	39·4	
9·2	12	5·5	14·1	9·0
10·6		7·5	42·2	
10·4		12·0	31·9	
10·4		14·5	41·3	
9·2		17·5	28·8	9·5
10·4		18·5	27·8	
9·4		45·9	58·3	
10·4		47·0	20·2	
9·4		47·5	27·5	
9·8		47·5	20·9	
8·8		51·5	44·8	8·0
9·8		56·5	12·0	
10·6		58·5	38·4	
9·4	13	1·0	0·8	
9·8		4·0	50·5	
9·2		11·0	6·4	
9·4		14·5	47·0	8·5
10·4		32·6	44·9	
7·7		46·0	0·3	8·0
	+1	5·1	−7·4	

4081—4140.

mag.	10h. m	s	−37° ′	
10·4	13	53·6	26·8	
10·2	14	0·1	54·8	
10·4		17·1	3·9	
10·6		27·1	50·9	
9·8		32·1	19·5	
10·3		33·1	31·3	
10·0		37·1	8·3	
10·4		45·6	4·4	
10·4		48·1	28·1	
10·4		49·1	29·8	
10·3	15	0·6	39·4	
10·6		13·1	50·6	
10·6		13·6	55·0	
10·6		24·1	26·5	
9·6		25·1	38·5	
10·3		25·6	18·7	
10·6		36·1	50·9	
10·4		43·1	26·7	
9·0		51·1	44·9	9·5
9·6		57·1	54·9	
10·2	16	3·6	37·7	
10·3		12·1	33·5	
9·8		12·1	27·7	
8·8		13·1	35·8	9·5
10·3		24·8	2·7	
10·6		30·1	37·5	
9·6		33·1	14·3	
9·8		35·1	32·9	9·5
10·4		36·6	7·3	
10·6		40·1	21·9	
10·6		41·6	21·9	
10·4	17	2·6	51·5	
9·8		6·6	51·2	
10·3		8·6	15·1	
9·6		9·1	6·7	9·5
9·6		10·1	7·1	9·5
10·0		20·1	6·5	
10·6		22·1	12·2	
10·6		23·6	55·7	
9·8		40·1	19·3	
10·6		45·1	45·9	
10·0		56·1	1·7	
6·2	18	0·6	22·5	5·5 GStπ
10·6		1·1	46·7	
10·6		16·1	34·8	
9·8		19·6	21·1	
10·6		19·7	12·4	
9·4		19·8	52·5	9·0
9·4		26·8	9·5	
10·6		29·4	49·9	
10·6		37·1	18·0	
10·2		39·6	58·1	
10·4		40·0	42·2	
10·4		41·8	55·5	
9·6		41·8	41·4	9·5
10·4		48·0	2·9	
10·4		56·0	50·6	
7·7		56·5	56·9	8·0 –
10·4		58·5	47·0	
10·2	19	0·0	42·7	
	+1	5·7	−7·5	

4141—4200.

mag.	10h. m	s	−37° ′	
10·4	19	0·4	21·1	
10·4		0·8	32·5	
10·4		8·5	18·5	
10·4		16·4	55·0	
10·2		24·3	40·7	
7·2		28·0	40·1	7·0 GSg
9·8		28·5	8·7	
10·2		29·0	28·3	
10·4		38·5	12·1	
9·6		50·5	22·0	
9·5		58·5	5·1	9·2
10·2	20	0·0	4·7	
10·2		13·5	41·7	
9·8		30·0	52·8	
10·0		39·0	52·9	
10·4	21	1·5	53·8	
9·6		7·5	16·3	
7·9		10·5	28·5	
9·2		13·0	24·4	
10·4		14·5	23·6	
10·4		24·7	48·8	
9·6		25·9	58·5	
10·4		26·2	1·6	
9·6		39·2	55·6	
10·2		39·2	16·0	
10·2		45·2	46·1	
10·4		49·2	13·9	
10·2		52·2	3·9	
9·5		54·2	20·6	
9·6		54·7	1·0	
10·4	22	0·2	5·1	
10·2		0·2	25·1	
10·2		5·2	31·8	
10·2		9·2	26·1	
10·0		10·2	43·8	
9·6		10·5	0·5	
10·4		21·7	7·7	
10·4		25·7	42·1	
10·4		26·1	5·6	
10·4		27·2	57·9	
10·0		29·2	39·2	
9·6		30·5	2·7	
10·2		34·2	20·7	
10·4		34·7	32·5	
9·8		35·7	51·8	
9·6		40·7	56·1	
9·5		40·7	38·2	
10·4		42·2	27·5	
10·2		51·2	1·7	
10·0		55·7	21·1	
9·8		56·2	18·0	
10·2	23	3·2	21·6	
10·2		4·2	44·8	
9·6		18·7	46·5	
10·2		23·7	37·8	
10·2		23·7	47·2	
10·4		29·2	15·5	
10·2		29·4	13·8	
7·7		34·4	25·2	7·5 GS–t
10·4		38·9	42·0	
	+1	6·2	−7·6	

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4201—4260.

mag.	10h. m	s	—37° ′	
9·5	23	48·9	9·5	
10·4		56·4	13·7	
9·6	24	3·9	27·9	
9·6		5·9	31·2	
10·4		12·4	35·9	
9·8		19·4	17·1	
10·4		22·4	13·3	
10·0		22·9	28·7	
10·4		26·4	19·2	
9·6		42·4	47·0	
10·0		46·9	28·2	
9·0	25	0·4	48·6	
10·2		5·4	11·3	
10·4		8·9	22·6	
9·0		14·9	58·2	
10·0		16·9	37·6	
10·0		20·4	30·8	
10·2		25·4	34·1	
9·5		33·4	19·0	
9·6		48·9	50·5	
10·2		58·9	42·2	
9·6		59·4	51·8	
10·4	26	1·6	2·0	
10·2		5·9	37·0	
10·4		6·4	9·7	
9·8		22·9	39·6	
9·8		24·4	20·9	
10·4		30·4	31·0	
10·2		39·4	32·2	
10·0		41·4	21·4	
10·0		47·9	6·0	
10·2		49·4	20·5	
9·4		59·4	3·6	
10·4	27	14·4	31·1	
10·4		18·9	3·6	
10·2		20·9	36·0	
9·8		30·4	45·6	
10·2		49·4	44·3	
10·4		49·4	14·4	
10·4		49·9	29·8	
10·0		58·9	16·1	
10·4		59·9	16·0	
10·4	28	18·9	30·8	
9·6		25·9	13·8	
9·6		25·9	42·8	
9·4		29·4	46·8	
10·4		30·3	2·1	
10·2		38·4	30·2	
8·8		38·4	13·1	
10·2		39·9	42·9	
9·8		45·4	52·1	
9·6		47·4	7·7	
9·6		48·4	28·9	
8·4		57·9	29·0	8·0 W
10·4		58·4	16·7	
10·2	29	8·9	17·0	
9·5		11·9	27·2	
10·4		13·4	41·2	
10·2		19·9	8·3	
10·0		38·9	9·6	
25pr.	+1	6·7	—7·7	

4261—4320.

mag.	10h. m	s	—37° ′	
9·6	29	50·9	6·4	
9·0	30	10·4	23·8	9·0
10·4		10·9	33·9	
9·8		10·9	56·9	
10·4		20·5	16·2	
9·4		24·4	38·5	
10·4		34·5	4·0	
10·0		35·8	0·3	
10·0		39·4	57·4	
10·4		49·6	7·5	
10·2		52·6	44·1	
10·4	31	1·6	5·1	
9·6		2·6	39·4	
7·9		9·1	48·5	8·5
10·2		16·6	21·7	
10·4		19·6	53·1	
10·4		20·1	32·1	
9·5		25·1	31·1	
9·8		28·1	50·6	
9·6		29·1	25·3	
10·0		39·1	3·8	
10·0		43·6	35·5	
9·6		50·6	40·1	
9·6		52·1	52·3	
9·1		55·1	24·8	
9·8	32	9·1	31·6	
10·2		9·1	48·9	
9·4		12·1	35·7	
9·5		17·6	15·8	
9·6		19·4	2·9	
9·5		22·6	10·2	
10·4		28·0	24·7	
9·4		29·1	38·7	
10·4		29·1	19·5	
10·4		30·6	24·1	
9·6		36·1	30·7	
10·2		39·1	9·0	
9·6		44·6	34·1	
9·6		44·6	51·8	
10·4		50·1	3·7	
10·4	33	28·1	25·3	
10·4		29·6	27·5	
10·4		49·1	28·4	
9·6		50·6	52·3	
8·4		51·6	9·7	Gg
10·4		59·8	14·4	
10·0		59·8	14·8	
10·2	34	0·3	54·0	
8·8		3·8	53·4	9·5
10·4		3·8	36·4	
9·6		4·3	55·8	
10·0		13·1	46·0	
9·6		14·8	20·2	
10·2		19·8	29·9	
9·6		24·8	42·9	
10·2		30·3	5·2	
10·2		37·8	20·3	
9·8		44·8	41·5	
10·4		50·8	2·3	
10·2		56·8	4·2	
	+1	7·2	—7·7	

4321—4380.

mag.	10h. m	s	—37° ′	
10·2	34	59·8	16·9	
10·4	35	1·3	6·9	
10·2		4·8	6·8	
8·3		10·3	10·9	8·0 GSg
9·6		14·3	55·9	
10·2		23·8	20·9	
9·4		31·3	25·1	
9·6		33·3	3·2	
9·4		42·8	11·5	
10·4		44·8	10·9	
9·6		44·8	14·7	
9·8		49·3	56·1	
9·5		49·6	1·5	
9·0		54·8	45·3	
10·4		57·8	18·0	
9·8	36	4·8	33·2	
9·6		6·3	55·0	
9·8		9·8	31·0	
10·0		12·3	19·4	
10·4		21·3	54·0	
10·4		32·3	46·5	
9·4		34·8	43·1	
10·0		36·3	6·2	
10·4		38·8	48·7	
9·6		43·8	39·1	
10·2		43·8	15·5	
9·8		49·3	58·3	
9·5		50·8	7·6	
10·0		56·8	48·6	
9·4		59·3	56·3	
10·0	37	2·8	13·8	
10·4		4·8	28·0	
10·2		7·3	8·6	
9·6		24·8	30·1	
10·4		32·9	11·0	
9·5		37·8	3·7	
10·4		40·8	25·3	
10·0		45·8	0·6	
10·4		57·8	56·3	
10·0	38	8·3	36·1	
10·2		9·3	39·8	
8·8		10·8	11·8	9·0
9·4		14·3	41·2	
9·8		17·3	27·1	
10·2		20·3	9·7	
9·4		20·8	18·6	
9·0		40·3	50·1	
9·5		52·3	43·7	
10·4		58·8	41·8	
8·1		59·3	29·1	8·0 GS=t
9·2	39	1·3	13·1	
10·2		10·3	45·3	
10·2		14·3	59·9	
9·8		14·8	6·8	
10·4		16·8	40·5	
9·8		17·8	17·7	
10·4		25·8	43·4	
9·6		28·8	12·4	
10·0		31·8	19·9	
10·4		38·8	48·9	
	+1	7·7	—7·8	

4381—4440.

mag.	10h. m	s	—37° ′	
10·0	39	38·8	47·8	
10·4		44·8	30·7	
9·1		46·8	36·9	10·0
10·4		50·8	31·9	
10·2		51·8	12·8	
10·0	40	7·8	13·8	
9·8		12·8	7·3	
10·2		16·3	35·2	
10·4		18·9	12·3	
10·2		23·8	29·7	
9·6		23·8	26·8	
9·8		24·3	21·9	
10·2		29·3	16·7	
10·2		33·3	25·0	
9·2		35·3	19·1	
9·0		39·3	10·9	
9·5		47·3	19·4	
9·4		49·8	3·6	
10·4		58·8	28·4	
10·4	41	14·3	14·3	
9·5		16·8	44·9	
9·5		18·3	17·7	
9·4		19·8	35·5	
10·2		26·5	0·7	
10·4		29·3	1·1	
10·2		32·8	10·8	
9·8		39·8	25·8	
10·0		41·3	34·9	
10·0		41·3	49·3	
9·6		45·8	43·0	
10·0	42	0·3	11·6	
9·8		2·8	37·6	
9·0		9·8	19·6	
9·0		22·3	33·0	
10·2		25·3	1·3	
8·8		28·8	58·6	=
10·2		30·8	1·9	
10·2		47·8	55·6	
10·0		59·3	27·3	
10·0		59·3	22·8	
8·8		59·3	3·7	9·5
8·4	43	5·3	23·4	9·0
10·0		5·8	2·1	
9·8		9·3	8·8	
8·8		19·8	15·4	9·5
8·2		27·8	39·0	W—
9·4		39·8	19·3	
9·6		41·8	16·6	
10·4		44·8	13·0	
9·8		49·8	45·5	
9·6		51·8	25·2	
9·6		52·8	26·3	
9·8		57·3	43·8	
10·2		58·8	50·9	
10·4		59·3	45·9	
9·8	44	13·8	7·4	
9·6		16·3	49·7	
10·4		19·1	1·3	
10·0		21·3	16·0	
9·6		24·3	48·0	
	+1	8·2	—7·9	

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4441—4500.

mag.	10h. m	s	−37° '	
9·4	44	31·3	45·5	
9·0		34·3	0·8	
9·6		40·1	43·8	
10·4		40·3	22·3	
8·8		49·3	44·2	
8·8		50·5	21·9	
9·2		56·7	48·7	
10·2	45	1·3	4·6	
10·4		8·3	8·5	
10·2		9·8	20·2	
9·5		12·7	53·2	
10·2		20·5	36·5	
9·8		20·6	57·3	
10·0		35·0	11·6	
8·9		36·7	43·1	
10·2		37·8	16·5	
8·9	46	1·7	44·7	
9·5		35·9	1·8	
10·2		36·7	16·3	
8·8		53·7	28·7	
10·2	47	2·7	48·0	
10·0		6·6	57·4	
10·2		11·2	34·0	
9·5		16·2	28·8	
9·8		30·2	19·0	
9·8		41·2	28·0	
10·2		41·2	59·6	
9·5		41·2	12·1	
10·0		43·2	23·0	
10·2		50·2	22·5	
10·2		57·2	14·0	
10·0	48	4·2	47·1	
9·6		5·2	51·2	
9·5		8·2	49·3	
10·2		8·7	34·5	
10·2		12·2	55·2	
10·2		17·2	24·1	
9·6		19·7	14·6	
9·0		19·7	30·9	9·0
10·2		29·2	6·9	
10·2		30·7	37·9	
9·8		31·2	30·2	
10·0		43·2	13·0	
9·8		44·2	38·8	
10·0	49	3·2	16·5	
9·6		54·2	43·2	
9·8	50	3·2	11·2	
10·0		7·7	45·9	
9·6		8·2	49·9	
10·2		13·7	43·1	
9·8		19·2	55·7	
9·8		27·7	50·4	
10·2		37·2	10·4	
9·5		38·7	4·0	
9·2		53·2	36·2	
9·8		59·7	49·8	
10·2	51	7·2	8·2	
10·2		9·2	14·8	
8·6		32·7	3·4	8·8 G
9·4		33·7	4·1	9·2 G
25pr.	+1	8·9	−7·9	

4501—4560.

mag.	10h. m	s	−37° '	
8·0	51	41·7	10·4	7·5 GSgt
10·2		54·2	4·9	
10·0	52	12·7	6·1	
10·2		32·5	37·4	
9·4		36·2	3·1	G
10·0		40·2	12·1	
8·0		49·2	32·0	7·2 GSt
10·0		58·2	50·2	
9·6	53	5·2	4·4	
9·6		14·2	40·6	
9·2		17·2	28·5	9·0
10·2		22·2	35·6	
9·4		25·7	24·5	
9·8		32·7	53·5	
9·6		38·7	21·3	
8·2		49·7	47·3	8·2 G
9·4		53·7	45·1	
10·0		53·7	5·8	
9·6		56·7	59·2	
10·2	54	1·7	40·0	
8·8		7·2	14·9	8·5 G
9·2		19·2	52·1	
10·2		23·0	0·3	
10·2		27·2	50·4	
9·2		28·7	3·1	
10·2		30·4	0·0	
10·2		37·2	55·7	
9·5		38·2	31·1	
10·0		41·7	32·0	
10·2		45·0	0·2	
10·2		54·2	34·0	
10·2	55	5·9	59·2	
10·2		12·3	34·3	
9·8		17·2	8·7	
9·6		17·7	20·9	
10·2		24·2	41·7	
9·4		36·2	37·7	9·5
9·6		40·2	56·4	
10·0		44·2	40·7	
10·2		49·2	43·7	
8·6		49·5	2·4	8·7 G
9·2		50·7	14·7	
10·2		55·7	23·9	
10·2		58·7	9·6	
10·2	56	1·7	10·2	
9·5		2·6	57·6	
10·2		9·7	1·8	
8·5		9·7	9·7	7·7 GS–g
9·0		43·2	31·2	9·0
10·2		54·7	37·0	
9·6	57	3·6	46·1	
10·2		19·6	5·6	
9·5		23·9	59·7	
10·2		28·6	10·2	
10·2		29·4	57·5	
9·6		31·6	18·3	
8·6		41·6	43·7	9·0
10·2		53·6	18·7	
10·2		59·6	24·2	
9·8	58	4·6	38·7	
	+1	9·6	−8·0	

4561—4620.

mag.	10h.–11h. m	s	−37° '	
10·2	58	24·1	49·1	
9·4		42·6	55·1	
9·6		53·6	13·3	
8·3	59	0·6	1·9	8·5 G
10·2		18·1	18·8	
10·0		19·1	27·1	
10·2		59·1	9·2	
8·8		59·6	15·2	8·0 G
10·2	0	12·6	11·2	
10·2		14·6	15·2	
9·6		18·1	47·1	
10·2		40·1	26·4	
8·6		41·1	23·8	
10·2		50·1	12·0	
10·2	1	7·6	52·8	
10·2		50·1	7·7	
10·2		57·6	54·4	
8·2		59·1	43·9	7·5 GS–g
10·2	2	13·1	45·1	
9·2		16·6	48·2	9·0 –
10·2		23·6	44·2	
10·2		38·9	49·2	
10·0		40·1	58·3	
10·2		46·1	1·1	
10·2		49·9	3·8	
9·8		51·1	52·6	
10·2		59·6	48·9	
10·2	3	1·1	7·3	
9·6		9·6	4·7	
9·8		19·1	9·1	
10·2		32·1	38·6	
9·8		41·6	28·7	
10·0		48·1	52·7	
10·2		59·9	15·0	
9·0	4	9·6	25·5	8·5 G
8·9		11·6	40·9	8·5 G
8·8		15·5	2·8	
10·2		28·1	37·1	
9·5		30·6	42·7	
9·5		33·8	58·8	
8·8		35·1	44·7	8·0 G
10·0		47·6	26·2	
10·0		57·6	49·8	
9·2	5	15·1	26·9	
10·0		24·6	0·5	
9·6		25·1	52·4	
10·2		39·6	54·8	
9·6		49·1	7·7	
9·6	6	8·6	52·6	
9·8		10·1	10·1	
9·0		20·6	47·9	
9·6		23·6	10·0	
10·2		39·6	19·3	
9·0		47·6	50·2	9·0
10·2		52·6	34·2	
8·9	7	12·6	50·4	9·0
10·2		49·1	39·6	
10·2	8	19·6	2·0	
9·6		39·1	16·2	
10·2		47·6	28·4	
	+1	10·5	−8·1	

4621—4680.

mag.	11h. m	s	−37° '	
10·2	8	49·6	31·4	
9·4		52·3	33·6	
10·2		53·6	53·6	
10·2	9	8·7	46·1	
10·2		10·4	49·0	
8·5		16·6	46·4	G
7·9		18·6	45·6	GSW
10·2		24·1	30·3	
10·2		27·1	32·0	
7·8		37·6	34·6	GS–g
10·2		37·8	57·1	
9·8	10	1·1	9·9	
8·2		14·6	8·7	8·5 S–t
9·2		18·1	32·1	8·5 G
10·4		18·6	31·3	
9·6		26·7	0·8	9·0
9·7		33·6	25·9	
9·7		40·1	31·6	
9·7		43·6	28·8	
10·4		45·6	52·9	
10·0		48·7	1·3	
7·2		56·6	43·0	7·0 GSgt
6·7	11	14·1	19·8	6·5 GSg
10·4		29·1	13·2	
10·0		37·6	55·4	
8·2		38·6	41·9	8·5 G–
10·4		41·6	56·2	
9·2		58·1	6·0	G
10·2	12	3·7	30·1	
8·7		12·7	31·9	8·5 G
10·4		16·2	36·2	
10·4		19·7	11·9	
9·4		32·7	21·2	
9·6		32·7	41·0	
9·4	13	8·2	8·1	9·5
8·0		17·2	2·5	8·0 G
10·4		20·7	35·0	
8·0		22·7	10·4	8·5 G
9·7		29·7	50·0	
9·7		33·2	29·8	
9·6		48·7	8·9	
10·0		55·2	2·0	
8·8	14	9·2	34·1	9·0
9·4		14·2	33·3	
10·0		22·2	32·4	
9·8		31·2	31·3	
10·4		37·2	15·2	
10·2		48·2	14·3	
10·0		57·7	25·3	
10·4	15	6·2	3·1	
8·6		27·2	37·4	7·5 G–
10·4		29·2	50·2	
9·4		29·3	58·1	
9·8		43·7	6·4	
10·2		59·7	33·1	
10·0	16	8·7	30·3	
10·4		10·7	17·3	
10·4		20·7	31·2	
10·4		25·1	19·3	
10·4		28·6	29·9	
	+1	11·5	−8·2	

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4681—4740.

mag.	11h. m	s	−37° ′	
9·4	16	28·6	47·7	
10·4		50·6	19·2	
10·4		51·8	0·6	
10·4		55·1	50·1	
10·2		59·9	59·3	
9·6	17	8·6	29·9	
10·4		13·1	48·2	
8·8		22·6	12·8	
9·4		24·6	52·0	
10·2		29·1	27·6	
10·0		41·6	33·3	
9·7		42·6	48·7	
10·4		43·6	17·4	
8·3		45·6	47·9	8·5 G–
9·0	18	2·1	35·2	
10·4		14·1	50·0	
10·4		25·1	33·3	
9·4		46·6	52·4	
10·4		51·1	18·3	
9·8		51·4	56·7	
10·4	19	5·6	5·1	
9·4		11·1	33·2	
10·4		11·1	50·9	
10·4		26·1	50·6	
7·0		30·1	3·6	6·5 GSct
9·4		31·1	46·1	
10·4		37·6	8·6	
9·7		46·6	59·0	
10·0		52·1	38·0	
9·8	20	1·1	10·8	
9·7		14·1	39·1	
10·4		21·6	5·3	
7·7		39·3	28·1	GSg
10·4		40·3	28·9	
10·4		41·8	29·3	
8·4		48·8	35·6	
10·4		49·3	57·6	
9·4		51·3	3·5	
9·8		55·3	35·0	
10·4		58·8	49·6	
10·0	21	0·3	17·8	
10·2		8·3	42·4	
10·2		11·8	7·3	
10·2		17·3	34·7	
8·6		19·8	6·8	9·0
10·2		28·3	22·8	
9·4		32·3	53·8	
10·4		41·8	7·9	
10·4		41·8	25·4	
9·7		49·5	1·0	
9·8		50·8	50·1	
9·2		54·3	51·9	
10·4	22	11·3	10·5	
9·7		14·3	27·3	
9·7		28·3	22·6	
9·4		28·3	17·3	
9·8		32·1	58·1	
10·0		35·3	9·3	
10·4		35·3	32·2	
10·4		44·3	33·6	
25pr.	+1	12·3	−8·2	

4741—4800.

mag.	11h. m	s	−37° ′	
10·4	22	49·3	48·8	
10·4		50·8	25·2	
8·6		54·6	56·4	
10·4		54·8	38·8	
9·0		58·3	13·8	
9·0		59·3	35·6	
10·4	23	1·3	35·9	
10·4		3·3	11·9	
9·2		8·3	4·1	
10·4		9·5	0·5	
10·2		13·8	34·0	
9·2		30·4	2·8	
7·3		37·4	46·0	7·0 GS–t
9·7		40·4	0·9	
10·0		40·9	4·4	
8·8		45·4	24·1	9·0
9·7		59·4	18·4	
10·4	24	2·4	33·7	
10·2		14·0	16·6	
10·4		14·4	24·1	
10·4		15·4	6·4	
10·4		20·4	33·2	
9·8		20·7	58·9	
10·0		21·4	25·1	
9·6		26·9	58·8	
9·4		32·4	54·7	
10·2		50·4	44·3	
10·4		50·4	21·0	
10·0		51·4	10·2	
9·7		53·4	23·9	
10·0		54·4	57·6	
8·4		56·9	3·6	8·0 G
9·4	25	7·4	45·9	
10·4		12·4	20·8	
9·4		12·9	8·6	
9·4		17·9	6·2	9·0
9·8		29·9	54·1	
9·8		31·9	49·6	
10·2		33·4	27·1	
10·4		58·4	10·9	
10·0	26	11·4	37·7	
10·0		39·4	54·8	
9·7		40·9	0·1	
10·0		47·9	56·1	
10·0	27	0·4	15·4	
9·8		4·4	30·1	
9·8		8·9	36·8	
9·4		10·9	10·2	9·5
9·7		12·9	52·1	
9·7		15·0	57·5	
9·0		24·7	44·8	
9·4		29·7	47·2	
10·2		52·7	47·6	
10·2		59·7	8·8	
10·4		59·7	53·1	
9·4	28	1·7	13·6	9·0
9·8		1·7	7·1	
9·2		9·2	3·1	
10·4		19·7	24·5	
10·4		37·7	44·3	
	+1	13·0	−8·3	

4801—4860.

mag.	11h. m	s	−37° ′	
9·4	28	50·7	49·5	
10·0		56·7	8·2	
9·4		59·7	24·8	
10·4		59·7	28·1	
10·0	29	1·0	3·1	
9·4		4·2	30·3	
9·2		6·2	6·6	
9·6		13·7	58·3	
10·2		29·7	27·9	
8·8		30·7	28·9	9·0
10·4		34·5	1·1	
10·0		36·2	38·1	
9·4		36·7	34·1	
10·4		39·7	28·1	
10·4		45·7	27·9	
9·7		49·2	28·1	
10·0	30	0·7	17·7	
9·7		8·2	20·6	
10·4		11·7	39·1	
9·8		42·7	37·1	
9·7		45·2	20·3	
10·4	31	2·9	36·9	
10·4		4·2	17·1	
10·4		4·7	28·2	
9·0		8·9	21·2	
8·8		20·9	17·8	
10·4		23·9	56·3	
10·4		35·4	35·1	
10·4		37·4	25·3	
10·4		41·4	55·8	
10·4	32	10·4	45·0	
9·0		12·9	47·1	8·5 –
10·4		14·9	5·3	
10·0		21·9	34·8	
9·8		49·9	16·7	
8·4		55·4	3·8	9·0
10·4		59·4	28·4	
9·7	33	0·4	8·5	
10·4		1·9	30·5	
10·4		6·9	4·1	
9·6		10·9	44·8	
9·2		14·9	11·4	
9·7		20·9	26·0	
9·4		30·4	37·9	
10·2		31·4	15·8	
9·4		41·4	6·8	
10·0		42·4	48·6	
10·0		48·9	26·6	
7·2		48·9	24·8	GS=
10·2		51·9	37·1	
9·7		55·8	26·1	
9·8	34	1·5	10·6	
9·4		2·4	13·9	
10·4		7·4	54·8	
9·0		8·7	55·4	
9·8		9·9	20·0	
10·4		9·9	57·1	
10·4		10·8	42·7	
9·2		17·2	49·0	
10·4		19·9	56·1	
	+1	13·7	−8·3	

4861—4920.

mag.	11h. m	s	−37° ′	
9·0	34	21·9	44·7	
8·2		30·2	53·0	
10·4		46·4	10·2	
8·9	35	0·8	5·9	9·0
10·0		20·3	6·9	
9·8		26·8	31·9	
10·0		40·6	25·6	
10·0		44·6	6·9	
9·8		48·1	24·7	
10·0		50·6	6·7	
9·6		50·6	7·5	
9·0	36	0·1	38·9	8·5 –
9·8		7·1	44·7	
10·0		37·5	57·9	
9·2		38·6	24·4	
10·0		39·6	53·3	
8·1		39·6	35·7	8·0 G
10·0		53·6	19·0	
9·3	37	0·1	49·3	
10·0		27·6	45·6	
9·6		31·1	4·8	
9·7		36·1	29·0	
10·0		48·6	59·0	
9·2	38	8·1	14·6	
10·0		14·6	6·2	
8·8		19·1	47·2	
8·7		29·6	27·6	
10·0		39·6	56·1	
8·2		49·6	39·0	8·5 –
9·7		58·1	11·8	
9·6		59·1	27·1	
9·3	39	0·6	4·2	
9·2		41·6	13·7	
9·4		50·1	19·9	
8·4		50·6	26·8	8·0 G
10·0		54·6	40·0	
9·8		57·6	2·9	
10·0	40	0·1	7·8	
10·0		10·1	8·0	
8·5		20·6	27·2	8·5 –
10·0		40·6	46·2	
10·0	41	11·6	55·8	
9·4		18·1	22·5	
9·5		23·6	16·4	
9·3		24·6	29·2	
8·8		33·1	25·6	9·0 –
10·0		37·6	12·6	
10·0		39·6	24·0	
10·0		39·8	2·6	
10·0		51·6	36·0	
9·3	42	8·1	18·0	
9·8		21·6	14·8	
8·7		21·6	15·0	
9·2		22·6	36·6	
9·8		25·1	15·1	
9·0		36·1	38·4	9·5
10·0		50·1	48·9	
9·8		52·1	8·0	
9·5		55·6	18·5	
10·0	43	3·1	19·8	
	+1	14·5	−8·3	

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4921—4980.

mag.	11h. m	s	−37° ′	
8·5	43	10·6	27·9	9·0 –
10·0		14·6	15·1	
9·2		15·1	12·0	
9·4		33·1	34·1	
9·5		46·1	8·1	
8·9		52·6	49·1	
9·5	44	4·1	14·0	
9·4		8·6	45·5	
9·7		15·1	6·5	
10·0		20·1	37·0	
10·0	45	2·1	43·0	
9·8		8·1	17·4	
9·6		29·6	8·9	
9·8		36·1	6·3	
9·6		39·1	0·9	
8·0		58·6	3·5	8·0 GW=
8·0	46	10·6	24·0	8·0 G
7·6		24·1	17·5	7·5 G–
8·2		29·6	38·6	W–
9·4		35·6	30·8	
10·0		53·6	0·8	
9·8		59·6	50·6	
10·0	47	2·1	0·1	
9·4		4·9	1·3	9·0
9·3		22·1	40·2	
10·0		25·1	21·4	
8·2		30·6	44·8	–
10·0		30·6	11·6	
10·0		36·1	47·4	
9·5		37·1	40·1	
10·0		51·1	49·4	
10·0	48	7·6	42·8	
7·0		9·6	3·2	7·0 GSct
9·8		14·6	21·0	
9·0		20·6	53·8	
9·0		22·1	14·0	
10·0		36·1	26·0	
10·0		49·6	21·6	
9·3	49	17·6	30·1	
10·0		21·1	28·6	
9·4		22·5	57·0	
10·0		26·6	2·6	
9·6		29·1	12·5	
10·0		29·1	50·2	
10·0		38·9	0·2	
10·0		40·6	46·1	
10·0		48·1	12·4	
9·7		52·6	17·0	
9·5	50	28·6	54·0	
8·4		28·6	38·0	9·0
9·8		47·1	44·2	
9·7		48·6	49·2	
10·0	51	3·6	29·3	
7·3		10·1	48·0	7·5 GS–t
9·3		11·1	16·1	
9·6		17·6	33·2	
9·8		29·6	11·5	
9·7		34·1	8·6	
9·2	52	0·1	28·7	
9·3		11·1	19·1	
25pr.	+1	15·5	−8·3	

4981—5040.

mag.	11h. m	s	−37° ′	
10·0	52	20·1	26·1	
10·0		24·6	40·8	
10·0		30·6	42·8	
10·0		37·6	13·0	
9·7	53	19·1	0·1	
9·4		25·6	38·3	
9·4		34·6	44·0	
10·0		42·6	22·5	
10·0		48·6	59·1	
10·0		48·6	18·6	
10·0		59·6	35·1	
10·0	54	10·1	25·7	
9·8		16·1	38·4	
9·3		34·1	47·2	
9·8		39·6	21·4	
10·0		42·1	15·5	
9·7		44·1	18·3	
10·0		48·6	41·9	
10·0		55·1	19·1	
9·8		59·6	42·5	
9·2	55	4·6	40·0	
9·6		12·1	41·2	
10·0		18·1	22·9	
9·2		21·1	16·0	
9·3		28·6	59·7	
10·0		30·1	29·6	
9·4		33·6	37·8	
9·8		51·1	18·2	
9·2		51·1	28·2	
10·0		56·1	51·5	
10·0	56	5·1	39·6	
9·5		6·6	2·1	
9·3		10·1	31·1	
10·0		11·1	14·9	
9·8		14·1	27·9	
10·0		26·1	13·2	
10·0		29·6	54·4	
9·0		42·1	16·6	
7·9		43·1	55·5	8·5
9·6		48·0	54·8	
10·0		51·1	46·8	
10·0	57	16·1	6·0	
9·0		19·6	7·4	
10·0		45·1	34·1	
10·0	58	0·6	57·7	
10·0		5·1	35·9	
9·4		9·1	36·6	
10·0		21·1	21·3	
9·8		23·6	26·9	
9·3		33·1	6·9	
10·0		34·1	5·0	
10·0		48·1	16·7	
9·2		48·1	10·3	
10·0		49·6	55·7	
9·4		55·5	36·0	
10·0	59	6·3	20·9	
7·3		48·1	58·8	GSg
9·3		50·3	59·9	
9·8		50·3	23·9	
9·8		59·6	22·7	
	+1	16·4	−8·4	

5041—5100.

mag.	12h. m	s	−37° ′	
7·3	0	12·0	9·7	7·0 GS–t
9·7		13·8	50·9	
8·8		14·0	9·1	9·0
10·2		14·5	3·9	
8·9		29·3	24·5	
10·2		32·3	57·0	
10·2		38·0	37·8	
9·8		40·0	23·1	
9·9		43·0	15·1	
9·4	1	20·0	50·3	
10·0		23·0	22·7	
9·4		27·1	58·7	
9·7		30·0	5·7	
10·2		48·0	2·2	
9·4		56·4	59·7	
9·0	2	11·3	2·7	9·0 –
9·6		19·5	52·6	
10·1		21·5	22·6	
10·0		22·0	47·9	
10·2		27·0	46·7	
10·1		27·0	47·9	
9·4		28·0	8·7	
10·0		47·5	15·6	
10·2		48·0	8·1	
9·9		51·0	23·7	
9·6		58·0	4·6	
9·6		58·8	57·4	
9·4		59·0	13·6	
10·0	3	8·1	48·5	
10·2		9·1	12·5	
10·2		10·1	15·4	
10·1		14·6	33·0	
10·1		17·1	39·9	
9·0		44·6	18·8	
8·5		54·6	28·9	9·0
10·0		59·1	25·0	
10·2	4	0·9	0·7	
6·6		5·6	10·4	6·5 GS–t
9·6		14·1	7·3	
9·9		16·6	30·6	
9·4		29·1	29·1	
9·7		35·1	6·8	
10·2		35·6	14·6	
10·0		47·6	55·5	
10·2		49·1	51·4	
8·8	5	3·1	52·3	
9·0		17·1	33·8	8·5
9·6		18·1	30·1	
10·2		18·1	26·8	
9·4		32·1	48·5	
10·2		38·1	50·4	
10·2		40·1	10·0	
9·4		47·1	28·9	
10·2		54·6	5·4	
10·1		58·1	42·1	
10·2	6	0·6	16·1	
9·8		17·1	8·1	
9·8		17·1	53·1	
9·9		22·1	7·9	
9·2		38·1	20·2	
	+1	17·1	−8·4	

5101—5160.

mag.	12h. m	s	−37° ′	
9·6	6	49·1	42·8	
9·9		57·1	18·3	
9·9	7	0·1	28·5	
10·0		13·6	26·2	
9·8		18·1	49·6	
10·1		36·1	11·3	
10·1		47·9	16·3	
10·0		51·9	21·4	
9·4		57·9	30·7	
10·2		59·4	8·5	
9·8	8	7·9	30·1	
9·8		10·9	33·9	
8·9		15·9	4·8	–
10·2		21·8	1·1	
10·2		23·4	16·3	
9·7		24·4	17·8	
10·0		28·4	52·1	
10·0		29·9	42·5	
9·4		37·3	56·5	
9·4		40·4	31·5	
10·0		40·9	46·0	
10·2		42·4	16·0	
10·2		48·4	58·6	
9·8		49·4	8·0	
10·2		49·4	12·8	
10·2		50·4	56·0	
10·2	9	21·4	33·7	
10·2		26·4	44·4	
9·2		58·9	46·5	
8·9	10	28·4	17·5	–
9·6		35·4	7·1	
9·6		38·4	38·0	
10·0		48·4	23·4	
9·6		49·9	17·2	
9·8	11	4·9	42·5	
8·9		12·4	51·9	
10·2		35·4	11·1	
9·6		38·4	50·4	
9·6		42·4	38·0	
9·6		53·4	55·2	
10·2		55·9	5·6	
10·2	12	9·4	37·2	
10·2		18·4	56·3	
10·0		46·9	11·9	
10·2		57·9	44·5	
10·0	13	20·7	7·1	
9·6		22·5	58·8	
8·8		25·7	35·2	
8·0		32·7	6·3	7·8 GS–t
9·6		36·7	32·0	
9·4		39·2	52·0	
10·2		39·7	2·0	
10·0		45·7	43·1	
10·2		49·2	8·8	
10·1		51·2	36·9	
10·2		58·7	3·1	
9·7	14	9·2	46·0	
9·6		13·7	7·5	
9·4		22·7	37·1	
9·6		24·7	18·4	
	+1	17·9	−8·3	

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5161—5220.

mag.	12h. m	s	−37° ′	
9·4	14	28·2	23·2	
10·2		29·2	56·3	
10·1		34·2	17·9	
8·0		36·2	36·4	7·5 G
10·0		45·7	20·2	
9·0		49·7	14·0	
9·0		50·7	27·8	9·0
10·1		57·2	51·8	
9·7		57·7	32·4	
9·8		58·6	43·1	
10·0		59·2	7·6	
10·1	15	3·2	21·0	
9·2		3·7	6·6	9·5
9·4		20·7	54·2	
9·9		27·7	21·1	
9·6		28·2	18·0	
9·6		28·2	12·1	
9·7		28·7	6·4	
10·2		36·7	2·9	
10·2		38·7	35·1	
8·2		39·7	45·4	GS
10·2		42·2	9·6	
9·0		49·7	27·7	
9·6	16	8·2	42·7	
9·0		9·3	24·7	
10·0		19·0	2·0	
10·0		25·8	53·0	
10·2		33·8	35·0	
9·7		55·8	2·9	
10·2	17	0·3	29·9	
9·6		2·8	4·9	
10·2		5·3	17·3	
8·4		7·3	25·6	
10·2		18·8	45·1	
10·2		20·8	11·9	
10·2		31·3	38·4	
10·2		33·8	0·4	
10·0		47·3	33·2	
9·6		50·8	17·8	
9·6		52·3	11·0	
10·1	18	0·3	18·8	
10·0		0·8	19·7	
9·4		24·8	26·5	
9·2		25·3	57·6	9·5
10·2		28·3	27·4	
10·0		29·8	27·9	
10·0		31·8	39·1	
10·1		32·8	18·1	
10·0		34·8	41·1	
10·2		43·8	32·3	
9·6		54·8	49·6	
10·2	19	0·8	29·3	
9·2		3·8	34·1	
10·0		3·8	29·8	
10·2		7·8	35·5	
9·4		18·3	8·8	
10·2		25·3	54·3	
9·6		28·8	20·0	
10·2		32·3	29·5	
10·2		34·8	38·1	
25pr.	+1	18·7	−8·3	

5221—5280.

mag.	12h. m	s	−37° ′	
9·2	19	44·1	17·5	
9·6		58·1	24·0	
10·0	20	0·1	20·2	
8·3		10·1	55·9	8·5
10·2		20·0	37·5	
10·1		27·6	39·4	
9·6		30·1	49·7	
9·6		31·1	20·8	
9·9		40·6	42·3	
9·9		48·1	12·0	
10·1		55·1	47·7	
8·8		58·1	44·8	
10·2	21	14·6	7·1	
10·1		19·1	21·2	
10·2		28·1	17·6	
9·0		39·1	9·0	
8·3		40·1	24·4	8·5 –
9·7		41·1	43·8	
10·2		57·1	57·1	
8·9	22	1·6	26·8	9·5 G
10·0		3·1	3·2	
8·0		15·1	16·4	7·5 GW–
8·4		19·1	19·7	9·0 GW
10·1		30·6	18·8	
10·0		42·1	59·0	
10·2		56·6	9·9	
9·7	23	14·6	50·0	
8·0		21·1	38·8	8·0 GW
9·9		23·1	12·0	
9·9		23·6	15·6	
9·4		50·1	43·0	
10·1	24	6·6	52·0	
10·2		9·1	41·1	
9·0		18·8	6·9	
9·6		27·1	51·0	
10·0		35·5	1·8	
10·2		42·9	58·9	
9·6		49·1	22·7	
9·2	25	1·1	13·5	9·5 –
10·2		7·6	25·4	
10·1		10·1	7·0	
10·2		10·2	2·5	
10·2		14·9	58·8	
10·2		16·9	15·1	
10·2		19·1	3·7	
10·0		21·1	19·0	
10·1		25·6	10·7	
9·8		29·4	38·8	
10·4†		37·7	59·1	
9·6		53·0	6·6	
10·0		57·7	15·7	
8·6	26	5·9	23·1	7·5 G–
10·0		12·5	57·5	
10·0		13·4	17·3	
10·0		39·4	52·1	
9·4	27	8·4	33·0	
9·2		13·4	20·1	
9·0		25·4	58·0	8·5 G
8·9		41·4	17·0	
9·2		48·4	46·3	
	+1	19·5	−8·3	

5281—5340.

mag.	12h. m	s	−37° ′	
10·0	27	56·9	13·9	
9·8	28	17·4	21·9	
10·0		18·4	41·9	
10·0		41·7	59·8	
10·0	29	12·2	21·4	
9·6		27·2	5·0	–
10·0		29·2	41·8	
10·0		38·2	10·0	
10·0		49·2	12·4	
9·8	30	3·2	1·4	
10·0		4·2	49·9	
10·0		27·0	59·1	
9·4		28·2	23·6	
9·4		31·2	40·3	
9·4		40·2	16·0	
10·0		42·2	28·8	
10·0		49·2	12·2	
10·0		59·2	11·8	
9·8	31	19·2	33·8	
9·6		20·2	36·7	
8·8		21·2	31·4	–
10·0		25·7	13·4	
10·0		34·2	8·6	
10·0		46·2	10·8	
9·8		50·7	51·9	
10·0		52·7	18·9	
10·0	32	3·2	24·4	
8·9		5·2	29·2	9·0
9·4		41·2	34·4	
9·0		51·7	43·3	
9·6	33	2·7	54·3	
10·0		4·2	10·9	
9·8		10·8	25·5	
9·6		17·3	2·8	
9·1		20·8	35·9	
7·9		31·8	10·1	8·0 GS–
10·0		50·5	0·0	
10·0	34	1·3	7·0	
10·0		13·3	51·9	
10·0		28·8	26·1	
9·8		40·4	59·0	
10·4†		47·0	57·6	
10·0		48·3	17·8	
8·8	35	0·8	12·0	9·0 G–
9·4		4·8	34·8	
9·1		16·8	15·4	8·5 G–
9·2		27·8	42·1	
9·6		29·8	31·5	
9·4		29·8	29·5	
8·2		47·8	12·9	8·0 GSg
9·6	36	2·8	50·6	
9·6		11·8	45·9	
9·6		16·8	8·0	
9·4		32·8	53·3	
9·6		36·8	26·3	
9·6		49·8	6·4	
9·8		56·8	52·0	
9·6		59·8	50·3	
7·9	37	1·6	1·0	8·0 GS–t
9·6		8·3	35·7	
	+1	20·5	−8·3	

5341—5400.

mag.	12h. m	s	−37° ′	
10·0	37	19·8	13·7	
10·0		28·3	18·1	
10·0		29·8	34·5	
9·8		34·3	49·7	
9·8		35·8	52·0	
8·8		38·4	58·1	8·5
8·8		45·8	5·7	9·5
10·0		50·8	48·1	
8·9		57·3	26·5	
10·0		58·0	12·7	
9·8	38	9·0	51·9	
9·6		23·5	53·5	
9·8		26·0	12·3	
9·4		30·0	11·9	9·5
9·8		31·0	31·3	
9·6		41·0	19·1	
8·8		51·0	8·1	8·5 GW–
9·2		54·5	30·3	
9·0		58·0	19·1	
9·8	39	2·0	11·8	
9·8		13·0	48·7	
9·2		15·0	18·8	
10·0		15·0	56·3	
9·8		45·0	56·1	
9·8		45·0	6·9	
10·0		53·5	22·1	
10·0		53·5	17·1	
9·8	40	1·5	17·1	
10·0		12·5	30·0	
9·4		15·0	14·6	
10·0		30·0	19·3	
10·0		57·5	39·5	
9·2		58·5	22·9	
9·8	41	11·0	27·9	
9·8		21·5	38·1	
8·8		30·0	41·1	
10·0		42·5	33·4	
10·0		49·5	3·6	
9·4		57·9	57·8	
10·0	42	0·0	6·0	
10·0		0·5	59·0	
10·0		25·5	41·4	
9·6		26·5	6·9	
9·4		30·5	7·4	9·5
10·0		31·5	15·8	
10·0		36·5	32·0	
8·6		47·0	11·2	8·2 –
9·4		54·0	33·0	
10·0	43	0·5	36·6	
9·4		4·5	37·3	
9·2		15·5	5·6	
10·0		28·0	13·8	
10·0		32·0	24·1	
8·6		45·5	15·2	8·0 GW–
8·6		46·0	32·6	9·0
10·0	44	6·0	35·1	
9·8		19·0	34·2	
9·4		42·0	31·9	
10·0		53·5	22·7	
10·0	45	0·5	11·1	
	+1	21·2	−8·2	

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5401—5460.

mag.	12h. m	s	—37° ′	
10·0	45	5·5	13·3	
9·6		14·0	56·0	
10·0		20·5	8·0	
9·6		25·5	51·6	
9·8		42·5	48·2	
9·8		45·0	19·3	
10·0		53·0	45·8	
9·8	46	0·5	35·0	
9·2		0·5	49·4	
10·0		8·0	3·4	
10·0		20·5	26·5	
9·8		31·0	41·0	
8·9		33·0	22·7	
10·0		34·0	50·6	
9·2		35·0	26·0	—
10·0		38·3	44·8	
10·0		51·5	21·8	
9·8	47	5·5	20·7	
10·0		10·0	26·2	
9·4		16·0	34·8	
10·0		45·5	2·2	
10·0		51·0	51·7	
10·0	48	2·5	26·4	
9·8	49	0·0	51·9	
9·8		5·5	34·2	
10·0		21·5	34·0	
10·0		41·0	15·6	
10·0		54·0	50·2	
9·8	50	1·5	10·4	
10·0		48·0	54·5	
10·0		53·0	35·8	
10·0		54·5	59·7	
9·6		54·8	24·7	
10·0		55·0	57·1	
9·8	51	0·0	45·5	
10·0		10·5	35·5	
10·0		21·5	22·3	
9·3		39·5	31·4	
8·8		46·0	8·7	9·0 G—
10·0	52	5·0	41·1	
10·0		25·5	32·5	
10·0		28·5	12·4	
9·3		34·9	1·8	
9·2		38·5	32·5	9·0
9·8		48·5	35·7	9·5
9·3	53	1·9	0·8	
10·0		7·0	5·7	
9·6		8·5	7·3	
9·5		11·5	20·1	
9·3		13·5	3·4	
9·3		15·0	18·4	9·5
10·0		27·5	28·9	
9·8		32·0	35·9	
10·0		42·5	4·7	
10·0	54	19·0	31·4	
10·0		20·0	57·5	
8·5	55	0·5	37·8	8·5 G
9·4		15·1	1·4	
9·8		21·0	46·4	
10·0		28·5	13·9	
25pr.	+1	22·4	−8·2	

5461—5520.

mag.	12h.–13h. m	s	—37° ′	
9·6	55	50·5	28·7	
9·4		55·5	50·7	
10·0		59·5	17·1	
10·0	56	6·5	13·4	
9·6		18·0	12·8	
10·0		21·0	45·1	
10·0		23·1	58·3	
10·0		32·0	0·4	
8·8		34·0	35·8	9·5
9·2		42·5	6·6	10·0
9·6		46·0	30·3	
9·9		54·0	27·8	
9·5	57	13·5	28·0	
9·2		31·0	28·5	
8·9		36·0	7·2	8·5 GW—
9·9		39·0	50·4	
8·4		40·5	43·3	9·0
10·0		45·0	52·0	
10·0		49·0	18·6	
9·6		51·0	45·9	
9·8		52·5	14·0	
9·2		57·5	31·0	
9·0	58	1·0	11·8	
9·6		6·0	58·0	
10·0		10·0	18·0	
10·0		46·5	15·8	
9·0		58·0	50·5	
9·2	59	28·5	43·0	
8·8		39·5	16·1	9·5
10·0		50·0	26·7	
10·0		51·5	3·4	
9·8		55·0	27·9	
8·4	0	1·0	4·3	8·2 G—
10·0		20·0	38·1	
9·3		25·5	1·5	
9·0		31·0	22·9	
9·5		31·5	55·6	
9·6		35·0	49·4	
9·4		36·5	7·6	
10·0		42·0	36·0	
10·0		45·5	35·7	
10·0		46·0	20·1	
10·0	1	32·0	33·1	
8·3		38·0	25·5	8·5 G—
9·2	2	4·0	2·8	9·0
10·0		12·0	54·9	
10·0		20·0	9·0	
10·0		27·0	14·0	
10·0		34·0	21·3	
8·9		40·5	40·4	
8·8		54·5	40·8	
10·0		58·0	24·4	
9·3	3	42·5	24·3	
10·0		55·0	26·5	
9·9	4	2·0	48·1	
9·8		13·2	58·7	
9·8		16·5	9·0	
9·2		40·0	52·0	
9·8		41·0	46·4	
8·8		45·0	23·7	9·5 —
	+1	23·5	−8·1	

5521—5580.

mag.	13h. m	s	—37° ′	
9·9	4	52·5	2·2	
10·0	5	3·0	0·7	
6·7		5·0	8·4	5·5 GStπ
9·5		27·5	43·2	
10·0		45·0	11·0	
10·0		55·0	38·1	
9·8	7	8·0	11·3	
10·0		13·0	28·3	
9·8		20·0	32·8	
7·2		36·6	59·3	7·0 G
10·0		50·0	18·5	
9·0	8	5·5	15·0	9·5
10·0		7·5	36·0	
10·0		15·5	52·5	
9·0		40·0	38·3	9·0
9·5		47·0	43·1	
9·6		49·0	52·5	
8·0		51·5	49·7	8·5 G
10·0		52·0	15·8	
9·0	9	12·5	42·3	
10·0		22·0	31·9	
9·5		30·0	28·5	
10·0		40·0	4·1	
9·4		45·0	34·5	10·0
10·0		52·5	11·0	
10·0		59·5	21·1	
9·8	10	4·0	33·6	
10·0		5·0	30·2	
10·0		8·0	32·2	
9·9		12·0	56·9	
10·0		22·5	39·0	
8·9	11	0·0	49·2	
10·0		5·5	56·8	
10·0		24·0	25·5	
9·6		43·5	6·4	10·0
10·0		54·5	39·9	
8·4	12	3·0	0·5	9·0 —
9·8		11·0	38·4	
9·8		16·5	32·4	
10·0		55·5	40·3	
9·8	13	0·0	54·6	
9·9		9·0	43·1	
9·8		20·0	56·1	
9·9		31·0	13·9	
9·6		41·0	21·0	
9·8		52·5	3·9	
10·0	14	0·0	45·1	
10·0		25·0	53·3	
9·2		29·5	11·1	
9·8		31·0	14·5	
9·0		55·5	33·5	9·5
10·0	15	5·9	34·6	
10·0		8·0	42·7	
9·0		9·5	12·4	—
9·8		13·0	1·8	
8·8		14·2	50·0	9·5
10·4		18·5	13·6	
10·4		25·0	16·2	
9·8		30·5	40·5	
9·6		38·0	44·8	
	+1	24·5	−8·0	

5581—5640.

mag.	13h. m	s	—37° ′	
10·4	15	53·0	18·8	
9·0	16	2·8	55·1	9·0
10·4		10·5	16·9	
10·4		14·5	14·9	
10·4		33·5	50·9	
10·4		34·0	11·2	
9·2		41·3	43·3	9·5
9·0		49·5	24·8	
9·6		58·0	23·1	
8·2	17	15·0	22·6	7·5 GS–t
10·0		17·0	9·7	
10·3		22·0	39·0	
10·4		22·5	56·9	
10·0		28·5	14·4	
9·6		38·5	35·2	
9·3		48·5	19·7	9·5
10·4		48·5	39·8	
9·0		58·5	45·0	
9·3	18	0·0	48·7	
10·3		0·5	9·0	
9·0		3·5	16·3	8·5 —
9·3		5·0	8·2	9·5
9·6		12·5	30·4	
10·2		19·3	57·2	
9·8		26·5	29·5	
9·3		28·5	0·1	9·5
9·8		38·5	4·2	
9·6		53·0	53·1	
10·2	19	6·0	29·2	
10·3		7·0	4·7	
10·0		13·5	12·5	
10·3		20·5	30·0	
9·8		22·0	15·3	
10·0		29·5	34·5	
9·8		38·5	33·6	
10·4		43·3	48·7	
10·3		44·0	52·0	
10·0	20	13·5	12·3	
10·0		20·5	26·3	
10·3		28·5	8·7	
9·8		43·5	21·3	
10·3		49·0	30·9	
10·3		52·5	29·0	
9·8		52·6	2·4	
9·4		53·0	14·8	
10·4		54·5	33·6	
10·4	21	22·0	27·0	
9·8		24·5	43·5	
9·8		29·5	2·0	
9·6		48·0	33·4	
10·0		57·5	23·0	
9·6	22	2·0	3·1	
8·6		8·5	6·2	—
9·0		29·5	51·9	
10·2		34·0	40·7	
10·4		34·5	21·4	
9·8		41·0	26·0	
9·6		52·5	6·0	
10·4	23	1·0	51·9	
10·4		4·0	13·8	
	+1	25·5	−7·9	

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5641—5700.

mag.	13h. m s	—37° ′	
10·0	23 11·5	42·9	
9·8	17·0	9·5	
9·6	22·4	2·3	
10·4	48·3	20·8	
9·8	51·5	27·7	
10·0	24 3·5	40·4	
10·3	6·0	4·0	
9·8	6·0	42·5	
10·2	7·0	43·2	
10·0	8·0	27·0	
9·8	10·5	12·0	
10·0	15·0	35·2	
9·6	27·0	23·0	
10·2	28·5	49·2	
10·2	43·5	31·8	
7·4	52·5	45·1	7·0 GSt
9·8	55·5	34·5	
10·4	58·0	42·5	
9·6	58·0	50·3	
10·4	25 3·5	24·7	
10·3	3·5	31·4	
10·4	5·5	30·0	
10·3	17·5	42·0	
10·4	19·5	3·2	
9·4	30·5	32·2	
9·8	30·5	1·2	
9·2	32·5	11·6	
9·8	34·5	52·8	
9·8	38·0	46·0	
9·6	38·5	28·6	
9·8	40·0	28·9	
10·0	45·0	41·7	
10·4	48·0	50·8	
9·2	55·5	54·5	
9·0	59·5	20·8	–
10·4	26 6·0	3·3	
8·1	31·0	36·8	8·5
8·7	31·0	39·3	9·0
9·8	46·0	4·0	
10·0	48·5	1·7	
10·4	53·5	30·2	
10·0	57·5	3·8	
9·6	58·5	42·4	
9·8	27 8·0	54·7	
9·8	18·5	37·2	
10·3	18·5	57·6	
9·2	39·5	52·6	
9·8	42·0	35·0	
9·6	47·0	34·4	
10·4	57·5	23·1	
9·6	59·0	18·8	
10·4	28 18·5	11·2	
10·4	22·0	35·6	
10·0	34·0	49·0	
10·4	41·0	56·0	
10·4	48·0	22·8	
9·6	58·5	10·0	
9·6	29 22·5	28·4	
10·4	24·0	10·5	
10·3	26·0	31·0	
25pr.	+1 26·2	−7·8	

5701—5760.

mag.	13h. m s	—37° ′	
10·3	29 31·5	9·4	
10·3	39·0	30·7	
10·4	54·0	1·0	
10·0	57·0	15·4	
10·0	58·5	24·4	
9·8	59·0	30·5	
10·0	30 8·0	29·8	
9·0	9·0	4·5	–
10·4	14·0	31·7	
9·2	18·0	28·8	
9·3	18·5	4·0	
9·6	20·5	54·0	
9·8	23·5	37·8	
10·2	24·5	59·0	
8·4	29·5	27·3	8·5
10·4	29·5	38·0	
10·3	33·5	50·6	
10·3	33·5	37·0	
10·2	38·5	13·3	
10·4	42·5	22·0	
10·4	46·0	6·0	
10·4	49·0	19·8	
9·6	58·5	49·4	
10·2	31 0·0	18·4	
10·2	0·5	32·4	
9·8	7·0	4·7	
10·4	8·0	23·7	
9·0	12·5	41·0	9·5
10·4	28·5	39·8	
10·0	32·5	40·4	
10·3	34·5	25·4	
10·4	37·5	29·5	
9·4	38·5	45·4	
10·4	43·5	12·0	
9·0	43·5	23·0	
9·8	53·5	42·2	
10·4	32 4·0	47·2	
10·0	7·5	34·3	
8·7	29·0	7·8	8·2 G–
9·8	32·5	46·2	
10·4	33·5	56·3	
10·0	39·5	46·2	
10·4	44·5	50·5	
9·8	48·0	12·0	
10·3	53·0	59·9	
9·8	53·5	31·6	
10·2	33 8·0	17·6	
10·0	15·5	52·4	
10·0	18·0	34·6	
9·3	24·0	27·7	
9·8	27·5	8·4	
10·4	29·5	4·0	
8·6	29·5	42·5	9·0
10·3	33·0	56·0	
10·3	34·5	51·4	
10·0	37·0	53·2	
10·4	40·5	26·8	
10·4	57·0	44·6	
10·4	34 0·5	8·8	
9·8	16·2	58·1	
	+1 26·8	−7·7	

5761—5820.

mag.	13h. m s	—37° ′	
9·6	34 28·2	40·3	
10·4	32·2	33·0	
9·3	46·7	31·0	
10·4	48·2	55·4	
10·3	55·2	53·3	
9·8	35 4·7	9·6	
9·8	8·2	39·6	
10·4	15·7	26·0	
10·0	35·7	6·9	
9·8	38·2	44·9	
8·1	41·7	42·2	9·0 GW–
9·8	53·7	54·4	
9·0	56·7	29·1	
9·6	57·7	3·4	
8·2	36 6·7	37·4	9·0 G–
10·0	8·7	46·6	
10·0	13·2	35·6	
8·7	13·2	1·6	9·5
10·2	27·2	24·8	
10·4	30·2	18·2	
10·4	48·2	43·9	
10·2	37 8·2	55·8	
10·2	16·7	7·3	
10·0	22·2	36·4	
9·8	23·2	18·9	
10·4	27·2	7·7	
10·4	33·2	21·6	
8·4	40·2	51·1	9·0
10·4	48·2	6·8	
10·4	50·7	9·7	
8·3	38 10·2	53·0	7·8
10·3	14·2	26·9	
10·0	19·2	49·1	
9·8	20·2	8·2	
10·3	38·7	17·6	
10·4	47·2	11·0	
9·6	48·7	26·7	
10·4	55·7	52·1	
9·6	39 2·4	59·7	
9·6	6·7	6·7	
10·4	14·2	24·1	
10·0	19·2	33·0	
10·3	23·7	32·9	
10·2	23·7	43·5	
10·0	28·2	23·8	
9·8	34·2	48·1	
9·8	34·2	47·7	
9·4	36·7	13·7	–
10·4	50·7	28·0	
8·4	53·4	34·3	8·5 G–
10·3	40 2·7	59·5	
10·0	6·9	56·1	
9·6	7·2	55·0	
10·4	10·2	22·3	
9·8	35·9	59·4	
9·4	50·9	35·9	
9·6	51·9	17·1	
8·6	53·4	56·8	
8·6	53·7	38·2	8·0 GW–
10·4	41 1·2	9·2	
	+1 27·5	−7·6	

5821—5880.

mag.	13h. m s	—37° ′	
10·2	41 7·4	34·7	
10·3	9·7	50·2	
9·8	13·0	23·6	
10·4	16·2	56·0	
10·3	23·2	49·8	
10·4	29·5	12·8	
10·0	31·2	48·6	
10·4	40·4	52·0	
10·4	47·8	56·2	
10·4	49·2	5·1	
10·4	54·2	32·2	
10·0	54·2	8·0	
10·4	42 9·7	7·9	
8·9	24·2	46·5	
9·7	53·7	40·2	
10·2	55·2	54·2	
10·2	43 16·2	14·9	
7·8	28·2	30·8	W=
10·4	37·2	35·9	
10·4	42·2	47·2	
10·4	58·2	34·4	
10·4	44 0·2	56·9	
8·9	0·7	17·4	9·0 –
10·2	8·7	5·0	
9·8	18·2	31·8	
10·4	24·7	49·8	
9·6	32·2	8·1	9·5
10·4	39·7	56·8	
10·4	40·7	8·8	
10·2	45 29·7	7·6	
10·0	48·2	18·9	
8·5	46 0·2	41·2	8·5
9·8	1·2	31·0	
7·2	9·7	38·7	7·5 GS
10·4	46·2	28·9	
9·7	47 5·0	0·9	
9·8	9·7	16·4	
10·2	19·7	10·1	
9·0	20·7	40·5	9·5
9·8	22·7	56·5	
8·6	25·7	18·5	–
9·7	30·2	12·3	
9·7	31·7	38·9	9·5
10·4	34·2	37·0	
10·0	41·7	40·2	
9·8	44·2	23·4	
10·0	45·7	50·5	
10·2	47·7	8·5	
10·4	48 3·2	5·1	
9·7	9·7	13·7	
10·4	11·7	38·9	
8·9	15·7	24·6	
10·4	34·2	26·2	
10·4	37·7	18·3	
9·8	41·2	26·0	
9·7	46·7	57·7	9·5
9·5	51·7	54·9	9·5
9·3	49 12·7	44·3	
7·6	17·2	42·1	7·5 GS–t
8·4	24·7	47·2	7·5 GS–t
	+1 28·2	−7·5	

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5881—5940.

mag.	13h. m	s	−37° ′	
10·4	49	24·7	53·2	
9·5		49·7	45·8	
9·3		54·7	2·6	–
9·0	50	3·2	28·6	9·5
10·0		20·7	43·2	
10·4		25·7	22·0	
10·4		29·7	11·8	
10·4		31·6	59·4	
7·2		35·2	33·4	8·0 GS
10·4		47·7	48·6	
9·8	51	5·7	2·6	
10·4		9·7	20·7	
9·7		28·2	43·4	
9·6		29·2	55·7	
9·2		31·7	44·8	
9·5		41·7	18·0	
9·2		48·2	21·9	
10·2		57·7	41·9	
9·6	52	4·7	42·3	
9·8		5·7	49·7	
10·2		12·7	11·4	
10·2		15·7	49·2	
9·3		42·6	57·9	
10·0		45·7	31·0	
10·2		48·7	58·8	
10·4		50·2	21·0	
9·7	53	10·7	33·7	
9·5		12·7	24·8	
8·1		18·7	31·0	W–
7·8		27·7	24·3	–
9·5		38·7	4·6	
8·5		39·7	26·4	9·0
9·4		44·7	37·0	
9·8		47·7	41·2	
9·8		51·7	38·0	
10·2		58·2	5·9	
9·3	54	9·7	30·2	
9·0		9·7	22·1	9·0
9·7		38·7	36·4	
8·9		40·2	6·1	
10·4		51·7	15·2	
9·7	55	3·7	18·1	
9·7		6·2	42·3	
9·8		23·2	35·3	
10·4		37·7	47·4	
9·5		41·2	29·1	
9·5		41·7	2·5	
10·2		44·7	12·5	
9·8		49·7	17·7	
9·5		55·7	33·0	
10·4		59·7	16·9	
10·2	56	7·7	24·4	
10·2		19·2	20·4	
8·2		31·7	51·4	8·5 G–
8·8		34·7	10·2	8·5 GW
10·4		44·2	46·0	
9·8		49·2	7·7	
9·6		54·7	57·8	
9·6		55·2	53·1	
9·8	57	8·7	45·7	
25pr.	+1	29·0	−7·3	

5941—6000.

mag.	13h.–14h. m	s	−37° ′	
10·0	57	10·7	48·4	
9·8		12·2	58·7	
10·4		19·2	47·8	
8·7		25·7	40·8	8·5 GW–
10·4		26·0	11·1	
10·4		34·7	41·7	
9·7		37·7	8·0	
10·4		40·7	55·0	
8·7		54·7	3·9	9·0
10·4		56·1	0·0	
9·6		58·7	1·6	
10·0	58	1·2	41·3	
10·0		4·2	32·0	
9·4		26·7	35·3	
7·6		28·7	7·8	8·5 GS–
10·2		45·2	37·8	
10·0		49·2	16·4	
9·6		52·7	48·3	
10·4		59·7	34·7	
10·4	59	13·2	15·5	
10·0		20·7	20·9	
9·7		43·7	7·8	
10·2	0	7·7	1·4	
10·2		13·7	57·0	
10·4		23·2	17·5	
10·4		39·7	42·9	
9·8		45·2	34·9	
9·6		54·7	56·4	
8·5	1	14·7	36·8	8·0 G–
9·5		25·7	17·0	
7·2		54·7	50·2	8·0 G–
9·7	2	3·2	37·9	
9·7		9·7	0·0	
10·4		9·7	29·9	
10·2		29·7	17·0	
10·4		36·2	11·1	
9·8		38·7	32·8	
10·4		40·7	43·2	
10·2		49·2	46·0	
8·9	3	0·7	4·1	9·5
9·7		2·7	13·3	
9·8		7·7	49·5	
10·2		9·7	14·9	
10·4		10·9	33·4	
9·5		12·2	45·7	
9·3		36·2	42·6	
8·8		37·7	18·8	8·5 G=
9·8		40·7	46·5	
10·4		51·2	22·8	
9·8		52·7	49·2	
8·9	4	27·2	31·9	
9·7		48·7	21·4	
9·6		49·7	51·4	
10·4	5	2·2	55·5	
10·2		4·7	44·7	
9·8		9·2	19·2	
10·2		18·2	16·0	
10·4		25·7	14·7	
10·4		35·7	43·2	
10·0		37·6	39·0	
	+1	29·8	−7·2	

6001—6060.

mag.	14h. m	s	−37° ′	
9·5	5	41·2	14·4	
9·0		54·2	8·9	9·5 –
10·4	6	17·7	32·8	
9·0		22·7	30·5	9·0
10·0		40·7	31·8	
9·5		47·8	32·9	
10·2		49·1	46·3	
10·0		59·7	8·0	
10·4		59·7	36·0	
8·3	7	11·0	47·7	9·0 –
9·5		39·0	33·1	
9·4		44·0	47·3	
9·0		49·5	53·0	9·0
8·5		51·5	22·1	9·0
8·8	8	15·4	1·0	8·5 GW–
10·0		17·5	9·0	
10·0		26·5	37·4	
9·8		32·0	0·7	
9·1		45·0	17·0	
10·0	9	2·0	12·1	
9·7		9·5	17·9	
10·0		19·0	57·0	
8·6		31·0	3·3	9·2 –
9·3		39·5	59·1	9·0
8·3		41·0	21·9	8·5 =
10·0	10	0·0	5·8	
10·0		8·5	4·3	
9·4		15·5	13·9	
10·0		28·0	6·1	
9·6		51·6	51·8	
10·0		59·1	54·2	
9·9	11	15·1	39·4	
10·0		29·1	12·3	
9·7		48·6	38·2	
9·4		49·1	42·5	
9·7		51·1	36·2	
10·0	12	8·1	10·7	
9·8		11·1	11·4	
10·0		19·1	57·2	
8·9		29·1	21·1	9·0
9·8		44·1	54·8	
10·0		47·1	33·4	
9·7		53·1	11·5	
10·0		56·6	34·2	
5·4		58·1	18·4	4·0 GStπ
8·5		59·1	38·3	8·5 G
10·0	13	20·6	3·6	
9·8		58·1	16·1	
9·3	14	2·1	52·2	
10·0		10·4	2·1	
9·8		19·1	7·3	
9·5		39·1	27·6	
10·0		40·1	37·3	
10·0		47·1	59·7	
10·0		59·1	12·3	
9·6	15	10·1	4·4	
9·8		26·6	10·5	
10·0		29·1	55·1	
9·5		39·1	40·4	
9·3		41·3	0·4	
	+1	30·7	−7·0	

6061—6120.

mag.	14h. m	s	−37° ′	
9·9	15	43·6	18·9	
10·0		48·1	19·2	
10·0		52·1	20·7	
9·8		59·6	20·4	
9·1	16	19·1	31·3	
10·0		22·6	20·0	
9·0		26·6	48·2	
9·5		29·6	23·0	
9·4		33·1	36·1	
9·7		38·1	30·5	
9·5		53·6	33·0	
9·8	17	13·1	5·7	
9·6		13·5	59·2	
10·0		19·1	4·1	
10·0		47·6	3·7	
9·0		50·6	1·7	8·5 G–
8·8	18	12·6	28·6	
10·0		36·1	19·4	
10·0		37·1	40·0	
9·8		47·6	42·7	
9·9	19	3·1	31·0	
9·9		3·6	17·4	
9·3		13·1	6·6	
9·8		19·6	25·3	
10·0		39·8	1·0	
9·9		42·3	58·3	
9·0		53·1	10·8	
9·8	20	18·1	14·3	
10·0		19·1	59·4	
10·0		21·3	1·7	
9·9		26·6	16·3	
9·6		28·6	14·1	
9·8		30·1	38·1	
9·8		35·1	21·4	
8·8		38·6	11·9	8·5 G
9·0		40·1	38·3	
10·0		40·1	33·2	
10·0		45·1	30·7	
8·2		45·1	59·6	8·5 G=
10·0		59·3	0·9	
9·8	21	15·1	14·1	
9·8		19·1	20·1	
10·0		19·1	41·2	
9·4	22	16·6	36·1	
9·4		57·1	53·0	
9·6		59·1	33·1	
9·8	23	2·6	22·5	
10·0		23·6	21·1	
10·0		24·6	15·0	
9·6		29·1	58·2	
9·4		37·6	32·3	
9·9		44·1	40·1	
9·5		49·1	3·4	
9·9	24	21·1	24·2	
9·8		31·6	4·0	
9·8		43·1	3·2	
8·4		44·1	15·6	8·5
9·9		49·1	42·7	
9·4	25	9·1	14·3	
10·0		12·6	36·1	
	+1	31·5	−6·8	

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6121—6180.

mag.	14h. m s	—37° ′	
10·0	25 21·6	7·3	
9·2	29·1	42·7	
9·4	36·6	34·3	
9·6	43·6	4·4	
9·8	53·1	21·7	
10·0	26 25·1	33·0	
10·0	38·1	44·1	
9·8	40·1	39·0	
10·0	42·1	28·4	
10·0	43·1	18·0	
10·0	44·6	33·4	
9·9	49·6	34·8	
9·2	50·4	1·7	–
8·8	52·1	39·2	
9·9	27 6·1	15·8	
9·8	9·1	51·7	
9·9	28·6	4·7	
8·6	33·3	57·3	8·5 =
9·9	39·1	31·4	
10·0	49·1	43·2	
10·0	28 10·1	58·7	
10·0	22·6	33·2	
9·3	24·6	16·9	
10·0	42·2	0·4	
9·4	49·1	20·0	
9·2	51·1	4·0	
9·3	29 21·1	4·9	9·5
9·3	26·6	19·2	
9·0	33·1	19·3	9·5
9·8	36·6	57·1	
9·8	38·1	4·8	
10·0	30 13·1	54·3	
10·0	14·6	6·7	
9·8	17·6	4·1	
8·9	23·1	35·8	
10·0	24·6	27·1	
9·4	29·1	36·9	
9·5	29·1	24·0	
9·4	30·1	19·5	
10·0	31·6	4·6	
9·8	37·6	5·2	
9·4	49·1	33·3	
9·7	51·1	35·1	
9·7	59·4	18·1	
8·4	59·4	16·9	–
10·0	31 35·0	26·0	
10·2	50·8	39·5	
10·2	58·5	35·0	
10·2	32 10·5	5·3	
10·2	14·8	5·5	
9·3	30·3	41·0	
10·2	33·0	2·2	
10·2	35·3	36·1	
9·4	55·8	32·0	
10·2	33 5·8	23·6	
10·2	5·8	27·0	
10·0	10·3	28·2	
10·2	14·8	29·0	
10·2	27·8	45·0	
9·4	29·8	6·0	
25pr.	+1 32·4	–6·6	

6181—6240.

mag.	14h. m s	—37° ′	
9·6	33 30·8	16·2	
10·0	35·3	54·6	
9·8	34 2·3	15·1	G
10·2	5·8	53·9	
4·5	11·3	15·2	4·0 GStπ
10·2	16·3	12·1	
10·2	31·8	59·1	
9·6	38·8	13·3	
9·3	49·8	32·5	
10·0	59·8	55·5	
10·2	35 23·8	35·1	
9·4	23·8	22·3	
8·6	30·8	0·4	9·0 G–
10·0	40·3	24·6	
10·2	43·8	35·3	
9·2	55·3	33·7	9·5
10·0	59·8	31·4	
9·2	36 16·3	28·2	
9·0	24·8	36·5	9·0 –
9·0	29·8	46·6	
9·6	36·8	39·9	
10·2	40·8	50·1	
10·2	41·8	41·4	
10·0	44·3	29·2	
9·6	45·8	46·1	
9·4	46·8	7·7	
10·0	49·8	45·7	
9·1	51·3	28·5	9·5
10·0	58·8	6·7	
10·2	59·8	1·1	
10·2	37 1·8	51·2	
10·2	15·4	55·6	
9·4	19·8	2·1	
9·0	29·3	59·7	8·2 G
10·2	31·3	36·9	
8·6	43·8	25·3	W=
9·8	44·8	56·1	
9·6	38 17·8	26·1	
9·8	19·8	52·0	
10·0	42·3	52·1	
10·0	43·3	21·1	
10·0	48·8	13·0	
10·2	50·8	34·9	
9·4	53·8	3·3	
9·4	54·3	6·1	
9·8	54·8	31·1	
9·8	59·5	59·9	
10·2	39 12·3	8·1	
7·0	14·8	45·5	6·5 GS=t
10·2	27·3	6·7	
10·2	30·8	17·1	
9·6	40·8	15·2	
9·6	40 8·3	24·1	
9·6	14·5	58·9	
10·2	20·8	46·2	
9·6	46·3	46·7	
9·4	47·8	5·5	
9·0	50·8	20·5	W
9·6	56·8	46·8	
9·6	59·8	58·2	
	+1 33·0	–6·5	

6241—6300.

mag.	14h. m s	—37° ′	
8·8	41 5·3	6·5	8·5 GW
10·0	6·3	45·3	
10·0	9·8	34·0	
10·2	17·8	7·0	
10·2	43·8	10·3	
10·2	44·8	29·5	
10·0	56·3	29·9	
9·6	58·8	36·7	
10·2	42 6·3	47·0	
10·0	10·3	55·7	
10·0	17·3	22·3	
10·0	24·8	25·3	
10·2	29·8	48·8	
9·8	53·3	43·3	
9·6	43 0·3	24·7	
10·2	0·7	28·2	
10·2	1·3	53·5	
9·8	1·3	53·1	
10·2	2·3	32·8	
9·6	15·3	53·6	
10·2	16·3	1·3	
10·2	22·6	1·9	
10·2	29·3	14·6	
9·8	29·8	41·6	
8·8	29·8	51·1	8·5 =
10·0	31·8	41·3	
9·8	33·8	21·0	
9·6	34·3	9·7	
9·6	46·8	4·9	
9·6	49·8	27·5	
9·8	44 11·3	12·3	
10·2	11·3	34·7	
10·0	14·3	33·2	
9·8	15·3	28·1	
9·4	20·8	26·9	
9·6	20·8	43·1	
10·2	24·3	5·1	
10·0	29·3	12·7	
9·8	36·3	12·8	
8·5	41·3	39·7	8·5
10·0	45 0·3	13·9	
5·1	0·3	17·1	6·0 GS=t
10·2	3·8	35·5	
9·4	8·8	3·2	9·0
9·8	11·3	6·7	9·0
10·0	11·3	15·2	
7·2	14·8	44·5	6·5 GS–
10·2	21·8	25·0	
10·0	39·8	6·1	
10·2	39·8	17·7	
10·0	46·8	4·7	
10·2	46·8	16·3	
9·6	46 25·8	6·5	
8·8	39·8	44·9	8·5
10·2	45·3	24·1	
10·2	49·8	25·1	
8·6	59·8	43·1	8·5
10·2	47 20·3	54·1	
10·0	50·3	9·1	
10·0	53·3	19·0	
	+1 33·6	–6·3	

6301—6360.

mag.	14h. m s	—37° ′	
10·0	48 8·6	36·5	
10·2	26·6	1·3	
9·6	34·6	0·5	
9·6	49·6	17·1	
10·0	55·1	49·8	
9·1	49 0·1	6·9	
10·0	7·1	46·1	
9·0	7·6	25·6	
10·2	9·1	46·3	
10·2	9·6	40·8	
9·8	16·6	12·3	
9·6	40·7	59·0	
9·2	44·6	44·9	8·5
10·0	50·6	12·3	
10·0	50 14·6	48·4	
10·2	17·1	46·2	
9·0	59·1	49·0	8·5 –
10·2	51 3·6	42·3	
10·2	7·1	38·0	
9·0	7·4	59·3	8·8
9·4	14·1	12·8	
6·8	20·6	22·6	6·5 GS=t
10·2	28·6	35·3	
10·2	34·1	34·0	
9·4	49·1	36·4	9·0 G
10·2	54·6	25·4	
10·2	58·1	11·3	
10·2	59·6	34·0	
10·0	52 11·6	4·2	
9·8	18·1	57·8	
10·0	19·8	0·7	
10·0	20·6	16·5	
9·3	25·6	22·2	8·5
9·3	39·1	25·7	
9·4	50·6	43·0	
9·4	52·6	17·8	
9·8	59·5	43·2	
9·2	59·6	30·2	8·8 G
10·2	53 0·6	47·8	
9·6	10·6	10·1	
9·6	15·1	46·3	
7·1	19·1	33·5	6·2 GS=t
9·3	21·6	31·3	8·5 G
10·0	29·6	46·2	
10·2	30·1	6·1	
10·2	35·6	16·3	
9·8	41·6	18·6	
9·6	42·1	11·1	
9·6	45·1	5·5	
9·1	46·6	36·1	8·5
10·2	49·6	23·0	
9·0	57·6	49·2	8·5
10·2	59·6	58·1	
9·0	54 11·1	13·1	
10·0	19·6	27·5	
9·4	29·6	7·6	
9·8	33·1	33·0	
9·4	55 5·1	19·8	9·0
10·2	5·6	8·0	
8·8	13·6	36·9	8·5 G
	+1 34·3	–6·1	

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6361—6420.

	14h.–15h.		−37°	
mag.	m	s	′	
10·0	55	14·1	43·3	
10·2		15·1	8·4	
9·6		19·6	29·9	
9·8		20·6	32·8	
10·2		28·1	11·3	
10·2		32·1	33·5	
10·2		43·6	24·9	
8·4		52·2	49·6	8·2 G–
9·0	56	0·1	46·3	8·8 G
10·2		1·1	58·5	
9·8		7·1	38·5	
10·2		7·1	16·3	
9·8		14·6	27·1	
10·0		39·6	53·9	
9·8		39·6	55·0	
10·2		49·6	58·7	
8·8		53·4	1·1	8·3 G
9·6		57·6	28·1	9·5 G
9·6		59·6	52·4	
9·3	57	1·6	47·6	
8·0		3·0	11·9	8·0 GW
10·2		13·1	17·4	
10·0		16·1	21·9	
9·8	58	7·4	5·5	
9·0		13·9	20·8	9·0
9·8		13·9	15·9	
9·6		36·9	54·1	
9·6	59	0·9	55·1	
6·9		9·4	27·5	7·5 GS≡
9·8		49·4	12·4	
9·8		57·9	40·7	
9·5	0	19·4	20·1	
9·5		25·4	31·9	
9·5		29·4	29·4	
9·4		42·4	46·1	8·5
8·3		45·4	6·4	7·5 GS–t
9·4	1	26·7	59·3	
9·2		34·9	4·8	
8·5	2	36·9	32·0	9·0 =
8·7		50·4	52·9	
8·6		50·4	39·0	9·5
9·8	3	1·4	30·2	
9·8		9·4	8·2	
9·6		18·4	3·9	
9·6		25·0	0·3	
9·0		29·4	34·3	9·0
8·7		30·7	1·9	9·0 W
9·8		32·4	24·2	
9·8		32·4	49·0	
9·8		54·4	40·4	
9·8		59·4	40·0	
8·8	4	0·4	55·3	9·0
9·2		9·4	47·9	9·0
9·8		16·4	19·0	
9·0		21·9	2·5	9·5
8·3		49·4	3·0	7·5 GS–g
9·8		53·9	0·1	
9·2	5	4·4	52·9	
9·6		7·4	56·3	
9·6		10·9	35·3	
25pr.	+1	35·0	−5·9	

6421—6480.

	15h.		−37°	
mag.	m	s	′	
8·7	5	43·4	4·5	8·0 SW
9·6		45·9	18·8	
9·2		50·7	58·5	
9·8		54·4	11·0	
9·8		54·9	18·1	
9·1		57·2	42·6	
9·0	6	7·4	40·9	
9·8		8·9	41·2	
9·8		29·4	55·9	
9·8		30·4	53·5	
9·5		30·9	1·3	
9·8		32·6	0·0	
9·5	7	4·2	58·0	
9·8		19·7	50·2	
9·8		20·7	16·0	
9·2		26·7	51·7	
9·8		43·2	10·5	
9·8		56·2	36·7	
9·5	8	7·2	39·5	
9·0		9·7	2·2	8·5 GW
9·4		33·2	56·1	
7·4		58·7	58·9	7·0 GS≡
8·1	9	4·2	15·5	8·0
9·8		5·2	13·0	
9·4		7·2	4·5	
9·4		9·2	19·1	
9·8		43·7	21·2	
9·6		49·2	57·5	
9·4	10	9·7	15·0	8·5
9·4		23·2	32·7	
9·8		27·7	10·2	
9·0	11	25·7	7·0	8·8 W
9·8		29·2	24·8	
9·6		35·2	38·0	
9·8	12	10·2	55·0	
8·7		10·7	55·3	9·5
9·8		21·1	0·1	
9·6		21·2	10·9	
9·6		51·2	5·4	
9·8		51·2	10·6	
9·8	13	10·2	34·4	
9·8		16·7	19·0	
9·2		17·2	9·0	8·5 W
9·6		23·2	48·6	
9·4		24·2	28·4	
6·6		28·2	45·8	7·0 GS≡
9·5		48·6	56·5	
7·8		51·2	5·8	8·0 W
9·8		58·2	50·0	
8·7	14	8·2	54·5	8·2
6·8		10·2	10·9	7·0 GS
8·8		26·7	46·2	8·5
8·7	15	4·2	56·2	9·0
9·8		19·2	41·0	
9·8		23·7	10·1	
9·4		38·2	58·8	9·0
9·6		57·6	59·1	
9·6	16	7·1	8·8	
9·0		8·1	25·4	
8·4		11·6	7·2	8·2 W
	+1	35·7	−5·6	

6481—6540.

	15h.		−37°	
mag.	m	s	′	
9·6	16	17·1	55·0	
9·6		45·6	2·5	
8·2		54·1	3·3	8·5 W
9·8		58·6	12·0	
9·8	17	0·6	41·2	
6·8		2·1	43·3	7·5 GS≡
8·1		12·6	42·8	8·5 G–
9·2		25·1	27·3	
9·8		45·6	11·4	
8·6		53·1	25·1	9·0
8·3		53·4	2·5	8·5 W
9·0		58·1	45·8	–
9·8	18	0·1	20·2	
8·7		7·1	42·8	
8·1		14·1	16·8	9·0
9·0		20·1	19·8	8·5
9·8		32·1	28·1	
9·4		45·1	24·1	
9·8		53·1	35·8	
9·8	19	7·1	2·4	
9·6		30·6	41·2	
9·2		40·1	54·5	
9·8		49·1	15·9	
7·6	20	18·1	11·6	7·5 GS–t
9·8		28·1	51·9	
9·5		49·1	38·8	
9·8		50·1	21·1	
9·8	21	36·1	57·0	
8·8		47·6	23·0	
8·4	22	16·9	53·1	9·0
9·4		18·1	8·2	
9·8		19·1	37·1	
8·8		30·3	16·8	
7·2		32·4	15·5	W=
9·2	23	42·8	13·0	
9·6		51·3	43·0	
8·4	24	16·8	27·3	9·0 S
9·2		24·3	43·8	
7·0		24·8	38·5	8·0 GS=
9·3		42·8	34·0	
9·7		55·8	37·0	
8·8		58·8	35·0	
9·7	25	2·3	16·4	
9·2		4·3	50·9	
8·4		40·8	12·8	7·5 GW
9·0		49·8	38·4	8·0
9·0	26	19·8	51·3	
9·3		29·8	25·0	
9·6		34·3	7·9	
9·4		48·3	25·5	
9·7		49·8	20·5	
8·4	27	33·8	2·5	8·5 G
9·7	28	13·3	17·1	
9·4		42·3	55·8	
7·5		45·3	45·7	8·0 =
9·4		56·3	1·6	
9·7	29	22·3	9·0	
9·4		47·3	48·2	
9·0	30	19·3	5·5	
9·2		37·5	57·0	8·5 G
	+1	36·6	−5·3	

6541—6600.

	15h.		−37°	
mag.	m	s	′	
9·4	30	53·0	51·8	
9·7	31	40·5	12·0	
9·7		59·3	54·4	
9·0	32	2·0	52·6	
9·2	33	4·0	41·7	
9·7		14·0	46·0	
9·4		15·0	41·3	
8·8		18·0	50·2	9·0
9·4		18·5	31·7	
9·4		50·5	48·9	
9·3		52·0	11·3	
8·8	34	19·0	11·2	
6·8		31·0	1·4	6·0 GStπ
9·7		57·5	41·4	
9·6	35	0·0	11·6	
8·4		1·5	30·9	8·5
9·7		2·0	12·2	
9·7		3·5	18·1	
9·7		4·5	17·8	
9·0		11·5	37·8	
9·7		15·3	2·9	
9·2		39·5	20·7	9·0
9·7	36	30·5	44·4	
9·7		50·5	58·7	
9·6	37	15·0	54·4	
9·6		16·2	2·8	9·5
8·3		16·5	14·0	8·5
neb.		53·0	23·2	G
9·4	38	0·0	0·0	
9·3	39	0·0	22·3	
6·9		21·5	31·1	6·5 GS–c
7·8		39·5	52·2	8·2
9·0		45·5	38·7	9·0
7·6		50·5	17·1	8·0 GS
9·7	40	9·0	33·5	
9·2	41	7·5	52·8	
8·6		13·5	27·9	9·0
9·6		27·5	7·8	
8·5	42	46·0	28·7	9·0
9·0		52·5	22·6	9·0
9·7	43	0·5	27·5	
9·7		9·4	34·5	
7·8		24·5	3·5	7·5 G
9·2		29·0	46·7	9·0
8·8		36·5	44·0	9·0
9·6		48·0	16·1	
8·6		52·5	24·8	
8·8	44	10·5	17·0	
9·0		33·0	27·7	
7·6		40·8	1·2	8·0 G
9·7		49·0	48·9	
9·7		56·5	58·6	10·0
8·6	45	23·0	36·9	8·5
9·4	46	10·0	16·1	
9·0		20·0	55·9	9·2
8·4		42·5	8·6	8·0 G
9·7	47	14·8	40·3	
9·6		29·6	48·9	
9·4		41·8	58·0	
9·7	48	5·6	58·9	
	+1	37·7	−4·8	

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6601—6660.

mag.	15h.–16h. m	s	—37° ′	
9·6	49	46·1	18·6	
9·2		57·8	57·6	8·5
9·7	50	3·6	45·4	
7·0		18·6	8·5	7·0 GS
9·7		24·6	12·4	
9·6		29·1	39·4	
9·7		43·6	8·6	
8·0	51	8·6	10·1	8·0
9·2		27·6	21·7	
9·6		52·6	50·8	
9·7	52	7·1	56·9	
9·7		13·1	53·0	
9·1	53	16·6	51·3	8·5
7·2		45·1	10·7	7·5 GS
9·6		49·1	11·9	9·0
9·7		52·1	43·1	
9·4	54	7·6	6·9	9·0
8·2		9·6	42·0	G
8·6		17·6	27·6	
9·7		34·6	40·8	G
8·8		58·6	54·6	9·0
9·4	55	2·6	54·0	9·5
9·2		21·6	14·6	
9·6		26·1	8·5	
9·7		27·6	32·9	
9·7		38·6	39·8	
8·0		49·6	53·5	8·8
9·7	56	4·3	0·0	9·0
6·6		22·3	30·7	6·5 GS–
7·0		27·3	28·1	7·5 GS–
8·6		34·8	33·8	8·5
9·1		40·3	30·1	9·0 G
9·7		47·3	18·0	
9·7	57	12·8	27·9	
9·4		20·8	10·1	
7·8		52·3	41·7	8·0 G
9·6	58	50·3	14·1	
9·7	59	11·3	15·0	
8·4		24·8	5·0	8·2
8·1		27·8	41·9	7·7
8·8		30·8	24·2	9·0
9·4	0	8·0	10·1	
9·0		45·0	44·7	
9·7	1	3·5	24·4	
9·3		41·5	58·6	
9·6		59·9	59·7	8·5 G–
9·3	2	16·5	3·9	
8·5		59·0	7·8	8·5
9·2	3	39·0	52·9	
9·3	4	12·5	46·7	
9·7	5	4·3	6·3	9·5
9·6		32·5	48·1	
9·4	6	34·5	42·4	
9·7		56·0	58·3	
9·3	8	8·5	54·1	9·5
9·4		11·5	32·7	
9·0		27·5	37·2	
7·6	9	27·0	26·3	7·5 G–
10·0	13	24·8	28·6	9·0
7·2	14	49·0	7·7	7·5 GSct
25pr.	+1	38·8	—4·3	

6661—6720.

mag.	16h. m	s	—37° ′	
9·6	15	4·5	46·3	
10·0	16	9·0	19·4	
5·8		12·5	16·3	6·0 GSct
10·0		17·6	1·3	
9·0		23·0	53·9	
8·8		34·0	37·3	
10·0	17	32·0	37·5	
10·0	18	4·0	36·7	
10·0		32·0	49·1	
8·4	19	6·0	11·4	8·0 G
10·0		9·2	32·2	
9·4	20	17·0	2·1	9·5
9·4	21	24·0	1·7	
10·0		40·0	30·3	9·0
7·6	22	0·0	41·6	7·5 G–
10·0	23	14·5	48·1	
10·0		31·0	44·3	
9·5		34·0	39·1	
9·2	24	37·0	27·9	
10·0		38·5	45·7	
7·4	25	19·5	6·9	7·5 G
9·5		32·0	10·5	
9·8	26	32·5	38·3	
10·0	27	13·5	25·6	9·0
10·0		19·0	56·3	
8·5		34·5	6·0	8·0
10·0†		50·6	58·8	
9·8	28	10·0	43·3	
8·5		17·8	57·3	9·0
9·6		48·5	32·1	
9·6		59·0	8·9	
10·0	29	18·0	29·0	
9·1		29·5	17·5	
9·4		38·4	2·2	
9·6		39·7	2·4	
10·0		42·5	53·8	
9·6		43·5	3·6	
9·6		44·5	17·1	
9·5		54·5	55·1	
9·4		57·5	9·1	
9·6	30	29·0	39·3	9·2
10·0		44·0	22·3	
8·8		49·0	41·7	9·0
9·6		52·0	12·1	
10·0		59·0	50·9	
9·5	31	11·0	1·1	
8·6		19·0	41·1	
9·1		23·5	30·0	8·8
9·6		27·5	42·3	
9·0		39·5	51·3	9·5
8·5		42·5	48·4	9·0
10·0		55·0	59·1	
7·8		59·5	23·3	8·0 –
10·0	32	1·0	35·7	
8·3		3·5	32·5	8·5
9·0		7·3	58·7	
9·6		9·5	58·1	
10·0		10·0	41·7	
10·0		27·0	46·3	
7·7		39·5	38·5	8·0
	+1	40·5	—3·2	

6721—6780.

mag.	16h. m	s	—37° ′	
9·4	32	43·5	19·3	
10·0		46·5	37·9	
8·5		57·0	49·9	9·0
9·6	33	7·0	45·8	
9·5		48·0	46·7	
8·2	34	22·0	37·3	9·0
7·8		23·5	5·9	7·5 GS
9·2		48·0	54·5	9·2
10·0		49·0	47·1	
10·0	35	5·0	48·0	
10·0		9·9	2·2	
6·8		20·5	54·9	6·5 GS–
10·0		39·0	45·4	
9·8		59·5	9·3	
9·4	36	21·5	25·5	
10·0		36·5	40·5	
9·4		57·0	5·1	
8·6	37	17·7	56·1	9·5
10·0		19·0	37·3	
10·0		49·5	15·1	
9·6		53·7	25·9	
9·4		57·2	29·8	
10·0	38	2·5	46·5	
10·0		13·5	55·1	
9·8†	39	58·7	57·7	
10·0	40	3·0	48·9	
7·3		14·5	1·5	7·5 G
8·6		17·0	50·8	8·0 –
10·0		34·5	53·1	
10·0	41	32·5	20·3	
9·2		53·5	19·9	9·5
8·0		58·0	49·6	8·5 G
9·6	42	10·5	56·0	
10·0		34·0	50·1	
6·6		35·0	17·6	7·5 GS–
9·6		45·5	33·4	
9·8	43	9·0	22·8	9·5
10·0		9·5	31·1	
10·0		19·0	47·0	
8·9		19·0	50·1	9·5
3·9		24·2	49·8	3·5 GSπλ
9·8		37·5	44·5	
8·4		40·5	46·6	9·0
4·3		51·7	48·0	4·0 GStπ
9·2		57·2	1·4	
10·0		59·0	7·9	
8·5		59·0	23·4	9·0
7·6	44	9·5	22·9	7·0 GSt
10·0		31·5	13·3	
9·8		34·5	41·2	
10·0		39·0	8·9	
9·8		41·5	10·2	
9·4		45·0	32·7	
10·0	45	0·5	51·8	
8·8		5·5	46·5	9·0
10·0		9·5	3·4	
9·2		14·0	18·3	
10·0		23·8	43·0	
10·0		39·3	25·4	
9·2		41·3	21·8	9·0
	+1	41·0	—2·8	

6781—6840.

mag.	16h. m	s	—37° ′	
8·5	45	54·3	53·2	8·5
9·2	46	5·3	53·0	
8·5		6·3	53·8	9·0
10·0		28·3	47·9	
9·6		33·9	2·2	
10·0		55·8	41·3	
9·2	47	2·3	20·4	
9·4		5·3	51·0	
9·8		10·8	18·2	
10·0		14·8	48·0	9·5
8·6		19·3	41·6	9·0
9·2		24·3	43·6	
10·0		30·3	1·2	
8·0		34·8	18·3	8·5
9·4		39·8	24·3	
9·1		42·8	51·2	9·5
9·4		43·3	6·6	
9·8		49·3	7·4	
9·4		51·3	3·6	9·0
10·0		59·3	18·0	
10·0		59·3	46·0	
9·0	48	8·8	10·9	
10·0		8·8	17·8	
10·0		12·3	53·2	
8·8		41·9	58·5	
10·0	49	0·3	44·4	
8·8		10·8	36·3	9·0
8·6		15·3	33·7	8·5 –
10·0		19·8	59·4	
8·9		19·8	42·7	9·5
7·5		23·3	47·8	7·5 G–
9·6		37·8	13·0	9·0
10·0		42·3	44·8	
10·0		52·3	37·2	
9·8		54·8	14·8	
8·6		59·8	12·3	9·0
9·4	50	6·3	51·0	
9·8		11·3	50·4	
9·0		20·8	55·9	
6·9		24·8	25·3	6·5 GStπ
9·2		29·8	27·2	9·5
9·2		47·3	22·6	9·0
10·0		48·3	55·0	
10·0		49·8	55·1	
9·8		53·8	10·3	
10·0		59·3	13·0	
9·2	51	9·3	17·2	10·0
8·8		16·3	14·7	9·0
9·4		17·8	40·9	
9·0		26·3	22·1	
9·8		35·3	4·1	9·5
10·0		55·3	39·8	
8·2		57·3	44·7	7·5 GS–t
9·8		58·8	8·4	
9·0	52	2·8	29·4	9·5
10·0		10·8	27·5	
10·0		36·8	22·3	
10·0		39·8	12·0	
10·0		46·3	8·4	9·0 GW
10·0		48·8	45·0	
	+1	41·3	—2·5	

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6841—6900.

mag.	16^{h} m	s	—37° ′	
9·2	52	49·6	59·6	10·0
10·0		50·3	32·5	
9·8		57·3	31·7	
8·6	53	0·8	48·4	9·5
10·0		1·8	19·8	
8·0		5·8	55·9	7·5 G
10·0		9·5	3·5	
10·0		14·3	9·6	9·5
9·6		14·8	15·3	
10·0		15·8	53·0	
8·0		29·3	6·9	8·0 GW
10·0		30·8	34·4	
10·0		39·2	6·1	9·5
9·2		41·3	45·2	
8·9		49·3	44·1	
9·1		54·8	52·9	9·5
10·0	54	9·8	14·1	
9·1		23·8	17·7	
7·6		31·3	32·0	7·5 GS–t
9·1		34·8	13·3	8·8
10·0		36·3	35·2	
10·4†		37·3	58·6	
10·0		39·3	46·1	
10·0		52·8	51·9	
10·0		53·3	56·1	
9·8		57·9	1·8	
9·8		58·9	49·9	
9·6		59·4	24·2	
9·8	55	5·4	0·2	
10·0		10·9	49·1	
10·0		11·4	9·2	
9·4		14·9	43·1	
9·8		16·4	44·6	
6·9		19·3	58·3	6·5 GS–
10·0		21·9	37·4	
10·0		28·0	43·3	
7·0		28·4	39·8	7·0 GSct
9·2		29·3	57·8	
8·6		31·4	22·8	
10·0		33·0	59·6	
9·2		36·6	57·0	9·0
9·2		38·9	54·7	
8·8		39·8	58·8	
8·4		40·4	35·2	8·5
8·8		45·4	52·2	9·5
9·6		48·9	25·0	
9·8		52·4	36·4	
9·4		54·4	44·2	
9·2		57·4	45·6	
9·2		58·9	52·4	
9·0		58·9	43·8	
8·6		59·4	46·6	
9·6	56	3·9	47·3	
8·5		6·4	48·8	8·0
10·0		6·4	4·2	
8·5		6·9	43·8	8·5
9·0		7·9	49·8	
9·8		7·9	45·2	
10·0		8·9	48·0	
9·4		9·4	22·8	
25pr.	+1	41·4	−2·3	

6901—6960.

mag.	16^{h} m	s	—37° ′	
10·0	56	12·0	48·1	
9·8		13·0	47·3	
9·6		13·9	46·0	
10·0		14·0	2·2	
9·8		14·9	34·4	
9·6		15·4	11·8	
9·4		15·9	57·3	
9·8		17·4	49·8	
8·2		18·4	42·4	8·0 –
8·0		18·9	55·8	8·5
8·4		18·9	54·4	8·8
8·0		18·9	46·7	
8·6		18·9	47·8	
8·9		18·9	54·9	
8·6		19·4	15·8	
8·8		19·4	41·9	
9·4		19·9	44·8	
8·8		21·4	48·1	
8·9		40·4	46·9	
8·6		44·1	58·2	8·5
10·0		44·4	35·6	
9·8		48·4	43·9	
9·4		53·9	23·1	
9·2		58·9	10·5	
9·4	57	0·9	33·2	
9·4		0·9	45·0	
10·0		3·9	54·6	
10·0		15·9	32·3	
9·4		21·4	55·3	
9·4		22·4	50·1	
10·0		22·4	25·4	
9·4		29·4	32·0	
10·0		32·4	6·2	
9·4		38·9	38·1	
9·6		38·9	25·4	
9·4		52·9	42·7	
6·7		53·9	3·2	6·5 GS
9·8		55·4	10·2	
9·2		58·9	38·9	
9·8	58	7·4	44·9	
10·0		8·4	52·7	
9·8		11·4	41·5	
9·2		12·9	3·6	
9·6		24·4	42·8	
9·8		29·9	54·1	
9·8		31·4	57·1	
10·0		31·9	27·8	
9·2		32·4	47·8	
9·8		43·4	40·0	
9·2		50·4	30·9	
9·4		51·9	20·9	
9·2		53·9	48·9	
10·0		58·9	57·9	
8·8	59	0·9	8·1	7·8 GW
10·0		9·4	56·8	
9·2		9·4	13·1	9·2
9·4		20·9	21·6	
9·4		28·4	22·6	
9·1		28·7	57·9	
9·8		33·9	51·4	
	+1	41·5	−2·3	

6961—7020.

mag.	16^{h}–17^{h} m	s	—37° ′	
8·8	59	37·4	43·4	
9·6		38·9	52·7	
9·4		47·9	49·3	
10·0		47·9	23·1	
9·2		51·6	1·3	
9·6		53·9	43·9	
9·8		56·9	35·3	
8·9		58·9	39·1	9·0
9·6		58·9	23·5	9·0
8·9		59·9	48·9	
8·6	0	6·4	25·7	9·0
10·0		8·4	42·7	
9·8		13·9	16·5	
10·0		14·4	24·9	
9·6		23·4	38·0	
9·4		38·4	43·1	
8·6		38·4	44·7	9·0
9·6		41·4	43·9	
9·0		57·4	5·9	10·0
10·0		59·9	10·1	
9·6	1	6·4	28·3	
9·6		17·4	33·5	
9·2		20·9	18·5	
9·4		22·9	12·1	
10·0		36·4	46·9	
10·0		47·9	30·9	
9·4		55·4	9·9	10·0
9·6		58·9	29·9	
10·0		58·9	27·3	
9·2		58·9	47·0	
9·6		59·9	23·7	9·5 G
9·6	2	3·9	17·9	
9·2		11·4	8·6	
9·8		17·0	46·4	
10·0		18·9	32·3	
10·0		29·9	27·6	
10·0		50·8	16·4	
10·0		52·8	4·8	
9·6		55·0	9·3	
9·6	3	0·9	39·0	
9·2		2·3	32·6	
10·0		5·3	7·3	
8·8		7·9	41·6	8·0 G
9·8		9·2	53·9	
9·6		9·2	30·6	
9·8		9·2	13·4	
9·8		10·7	17·8	
9·8		13·7	13·5	
10·2		19·7	45·0	
8·8		27·7	22·1	
9·8		36·3	26·0	
9·0		36·7	30·4	
10·2		43·2	28·8	
9·4		48·7	30·1	
10·0		51·7	28·2	
10·0		53·6	15·7	
10·2		59·8	27·9	
9·6	4	10·2	3·4	
9·6		16·2	12·8	
8·0		19·7	18·4	8·5 W
	+1	41·7	−2·1	

7021—7080.

mag.	17^{h} m	s	—37° ′	
8·8	4	29·2	39·3	
9·4		37·2	26·1	
7·1		38·7	47·8	7·0 GS–
9·8		40·7	40·5	
9·0		43·7	4·7	9·5
10·0		45·6	14·3	
10·0		53·7	15·9	
10·2		56·2	15·9	
9·2		57·2	47·7	
8·4	5	0·7	28·8	
8·8		7·7	50·1	9·2
9·6		7·7	19·5	
9·8		8·2	13·9	
8·7		13·7	44·1	9·0 G
9·6		14·2	34·6	
9·2		16·2	29·0	
8·5		26·2	39·3	9·0
9·4		27·7	50·9	
10·2		36·7	20·4	
8·4		42·7	28·7	8·5
10·0		44·7	35·6	
8·8		52·7	37·9	9·0
10·2		54·2	34·9	
9·6	6	0·2	41·9	
10·2		5·2	29·6	
10·2		10·0	0·6	
9·4		24·7	56·9	
9·2		30·9	29·8	
10·0		36·4	56·3	
10·2		39·4	10·8	
10·2		42·9	48·5	
9·1	7	0·4	56·4	8·5
10·2		2·4	25·9	
10·2		6·9	54·0	
10·2		9·9	11·5	
10·2		12·9	5·9	
9·8		18·9	56·3	
10·0		35·4	38·2	
9·6		57·9	47·2	
9·6	8	4·9	12·8	
9·6		11·9	39·4	
9·2		18·4	16·0	8·5
9·6		31·9	44·3	
10·2		46·9	47·8	
9·8		51·9	7·8	
10·2		52·4	46·7	
9·6		54·9	39·2	
7·8	9	7·9	7·2	8·0
9·0		8·4	3·0	9·5
10·0		22·4	59·6	
9·6		44·9	50·7	
10·2		48·9	50·5	
10·2		54·9	29·0	
10·2	10	1·9	9·6	
9·0		7·9	56·0	
9·4		9·9	12·c	
9·8		11·4	3·6	
9·6		17·9	42·4	
8·8		29·9	19·5	8·0
8·2		34·9	57·7	8·2 G–
	+1	41·8	−1·9	

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7081—7140.

mag.	17h. m s	—37° ′	
10·2	10 37·9	36·8	
8·8	46·9	13·3	8·0 G–
7·8	52·4	52·1	7·8 G
9·8	58·9	35·1	
10·0	59·9	24·7	
10·2	11 4·9	51·1	
10·2	12·2	47·0	
9·5	15·2	44·7	
9·6	16·7	14·0	
9·5	25·2	0·3	9·5
9·8	25·2	20·2	
10·0	35·7	47·0	
9·6	37·2	26·0	
9·0	38·7	7·4	10·0
10·2	39·2	6·2	
9·8	44·2	28·2	
9·6	47·2	55·5	
10·2	50·7	48·0	
10·0	52·2	41·8	
10·2	56·7	57·0	
9·8	12 7·2	28·8	
10·2	8·9	28·4	
9·6	9·2	16·8	
6·9	10·7	53·3	7·5 GS–
10·2	38·2	22·4	
9·4	43·7	51·3	
9·2	44·2	11·1	
10·2	44·7	31·1	
10·0	48·9	4·0	
9·6	53·7	56·3	
10·0	13 10·2	27·2	
10·2	10·7	38·3	
10·2	17·2	41·1	
10·0	22·2	5·2	
9·2	30·7	46·7	
10·0	35·2	41·9	
10·2	54·2	55·9	
10·0	57·7	36·4	
10·2	58·9	19·2	
9·8	14 8·2	4·8	
7·1	8·7	40·7	7·0 GS–t
10·2	12·7	33·5	
10·2	12·8	2·3	
9·0	16·2	31·8	8·5
7·2	25·7	5·7	6·5 GS
10·2	28·7	35·5	
10·2	34·6	56·8	
9·8	34·6	57·4	
9·1	45·6	51·9	9·0
9·6	48·1	45·1	
9·4	52·6	50·4	
10·2	53·6	4·9	
10·2	53·6	11·0	
9·6	58·1	52·8	
9·2	15 0·6	43·2	
9·2	1·1	42·8	
10·2	2·1	35·0	
10·2	15·6	7·9	
9·0	19·1	59·3	9·5
10·2	25·6	0·0	
25pr.	+1 42·0	—1·7	

7141—7200.

mag.	17h. m s	—37° ′	
10·2	15 27·1	33·7	
8·4	27·6	53·4	9·2
9·8	31·0	1·2	
10·2	33·6	48·0	
9·8	36·1	44·4	
10·2	37·6	12·1	
10·2	38·6	12·5	
9·8	39·1	56·8	
9·8	42·1	46·1	
9·4	46·9	58·8	
9·2	47·1	14·4	
8·8	49·1	49·0	9·0
9·8	50·1	46·7	
9·1	50·6	50·5	G
9·6	53·1	51·4	
10·2	16 8·1	13·0	
9·5	9·1	46·6	
10·2	20·1	3·1	
9·4	20·6	40·2	
10·2	21·1	30·7	
10·0	26·1	42·4	
9·0	27·6	4·4	
9·0	29·1	38·4	S
9·8	31·7	21·1	G
9·8	31·6	36·7	
10·0	32·6	54·5	
9·8	41·6	38·8	
10·2	45·6	55·0	
10·0	46·7	14·4	
9·8	49·2	44·3	
9·6	57·7	6·2	
10·2	58·7	33·1	
9·4	17 7·7	24·1	
9·6	10·5	1·5	
10·2	16·7	16·6	
9·8	19·2	39·4	
10·2	20·7	32·0	
10·2	22·2	21·6	G
10·2	35·7	28·2	
7·9	35·7	29·6	8·5 S–
9·0	38·7	11·1	
10·2	53·7	17·1	
10·2	54·7	34·4	
9·6	18 3·7	44·5	
10·2	18·7	45·0	
9·6	19·2	24·3	
9·4	29·4	59·2	
10·2	31·7	35·2	
9·8	44·2	32·0	
9·5	45·7	0·3	
8·0	50·4	57·0	8·0 G–
8·8	19 3·7	26·4	9·5
9·6	4·2	48·8	
9·2	6·2	4·1	
9·2	9·2	29·0	
7·6	12·7	4·5	7·0 GS
9·8	19·2	19·7	
9·8	21·7	31·0	
10·2	25·2	32·0	
8·4	31·9	57·9	8·5
	+1 42·0	—1·6	

7201—7260.

mag.	17h. m s	—37° ′	
10·2	19 34·2	56·8	
9·8	41·7	42·6	
10·2	44·7	29·0	
9·5	20 0·2	35·9	
9·6	6·7	40·9	
8·8	12·7	49·4	8·5
10·2	14·2	29·8	
10·0	19·2	0·1	
10·2	19·7	44·6	
9·2	23·7	41·4	
9·6	26·7	38·3	
10·0	33·2	15·2	
9·8	39·2	27·9	
9·6	45·2	46·1	
10·2	47·2	59·1	
9·6	48·6	37·3	
10·0	50·7	43·5	
10·2	54·7	25·9	
9·8	59·2	52·3	
9·6	21 6·2	36·7	
10·2	10·7	0·4	
10·2	12·6	20·5	
9·2	13·7	10·3	8·5
9·6	16·7	55·7	
9·6	19·2	30·7	
9·5	19·7	20·0	
10·2	20·7	57·0	
10·0	28·7	31·4	
10·2	30·7	15·2	
9·4	33·4	57·5	
9·8	43·7	43·9	
9·6	46·2	25·0	
8·2	49·2	36·8	8·5
9·6	59·7	29·8	
10·2	22 7·2	42·2	
10·2	8·7	24·3	
9·4	10·7	59·1	
10·2	15·6	39·6	
3·5	16·7	11·7	3·0 GSπβ
7·4	18·2	20·0	7·5 GS–
9·6	24·2	51·1	
10·0	34·2	47·5	
10·2	39·2	58·6	
9·8	46·2	11·4	
8·8	49·2	3·4	
10·2	57·2	21·6	
10·2	57·2	36·5	
10·2	23 4·2	23·1	
9·6	9·2	19·3	
9·6	16·2	27·1	
9·0	23·2	15·7	9·5
8·2	24·2	34·9	8·5
10·2	31·7	57·0	
9·8	40·2	11·9	
9·8	24 14·2	44·0	
10·2	14·7	49·9	
9·8	15·2	30·8	
9·2	21·7	15·1	
9·6	22·7	52·2	
9·0	29·7	4·5	9·0
	+1 42·1	—1·4	

7261—7320.

mag.	17h. m s	—37° ′	
10·2	24 58·2	7·7	
9·0	25 6·2	54·8	
9·8	7·2	13·9	
9·4	8·2	54·5	
2·9	8·5	0·8	2·0 GSπβ
9·0	27·2	8·7	9·0
9·4	29·7	11·5	
9·2	41·7	39·9	
9·2	50·7	58·1	
10·2	50·7	29·7	
10·0	53·2	25·5	
10·2	53·7	31·7	
9·4	58·2	10·1	9·8
9·8	59·2	10·3	
10·2	26 1·7	57·5	
9·4	5·2	47·0	
8·8	5·7	10·3	9·0
9·5	7·7	2·9	
10·2	9·7	1·4	
9·6	14·7	53·9	
10·0	18·7	32·0	
9·6	24·2	15·7	
9·8	32·2	12·0	
9·2	33·7	20·2	
9·6	48·7	18·2	
7·8	58·7	45·5	8·0 G–
8·2	27 0·2	11·7	8·5
9·2	9·2	55·2	8·5
6·9	11·7	21·0	7·0 GS
10·2	16·2	42·1	
9·8	22·7	36·8	
10·2	30·7	33·6	
10·0	33·7	7·9	
9·6	36·2	44·6	
9·8	38·2	8·6	
9·1	45·2	27·8	
9·5	48·2	38·6	
10·2	49·2	54·3	
9·4	56·9	8·0	
10·2	58·5	4·8	
9·8	28 2·6	45·4	
10·0	16·9	13·4	
9·6	17·6	43·9	
10·2	18·4	51·6	
9·8	19·2	24·4	
7·8	20·2	21·4	8·5 GW
9·8	32·4	20·8	
9·4	37·7	26·2	
10·2	38·5	8·0	
10·2	38·7	50·6	
9·4	44·7	50·7	
9·6	47·9	38·5	
9·6	49·4	35·8	
7·6	52·8	59·1	7·0 GS–
9·4	53·6	49·2	
9·4	54·1	39·8	
9·2	57·4	28·8	
9·6	57·6	26·3	
7·5	58·4	42·1	8·0
8·8	58·6	36·6	
	+1 42·2	—1·2	

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7321—7380.

mag.	17h. m s	−37° ′	
9.2	28 59.1	29.8	
9.5	59.6	3.4	
8.9	29 0.1	52.1	
9.6	1.2	27.3	
9.6	12.1	35.9	
9.6	16.1	50.8	
9.5	16.6	33.1	
9.2	17.6	41.2	
9.6	18.1	33.4	
7.7	18.7	46.6	7.0 GS
9.2	21.2	5.3	
8.8	24.2	34.7	9.0
9.5	24.7	21.2	
8.3	27.2	19.6	W
9.6	27.2	13.1	
8.6	27.7	38.3	9.0
9.2	27.7	50.5	
9.2	33.7	21.7	
8.8	35.1	0.5	9.0
9.4	37.7	37.6	
9.6	39.7	48.0	
9.1	40.2	32.6	
9.6	44.2	45.5	
9.5	49.7	19.9	
9.6	54.2	43.4	
8.9	56.7	36.3	
9.6	58.7	41.9	
9.6	58.7	38.8	
9.4	58.7	29.7	
8.8	59.7	49.8	9.0
9.5	30 0.2	44.9	
9.5	7.1	0.9	
9.0	9.2	39.9	
9.4	11.7	39.6	
9.4	14.7	34.7	
9.4	19.7	19.9	
9.6	31.2	54.6	
8.0	32.7	41.8	7.0 G–
8.6	58.2	17.3	
9.6	31 0.7	56.7	
8.8	27.2	9.9	9.5
9.5	36.7	44.7	
9.5	37.2	23.8	
8.9	39.1	1.4	9.0
9.5	42.0	58.3	
9.5	42.0	37.4	
9.6	49.0	9.9	
8.4	52.0	2.4	8.5
9.2	32 9.0	33.0	
9.6	9.5	29.8	
9.2	10.5	40.2	
9.4	15.0	3.1	
9.2	19.0	57.2	9.0
9.6	25.5	27.3	
9.6	28.0	59.3	
9.6	30.0	38.4	
8.4	31.5	34.9	8.5
9.4	32.5	55.9	
9.2	33.5	35.4	
9.5	39.5	46.1	
25pr.	+1 42.2	−1.1	

7381—7440.

mag.	17h. m s	−37° ′	
9.4	32 45.5	28.7	
9.4	46.0	45.9	
9.6	54.0	16.8	
9.2	54.5	6.8	
9.2	33 3.0	28.0	
8.8	8.5	17.2	
9.6	9.0	4.7	
9.6	16.5	40.8	
9.2	18.0	17.5	
9.6	27.5	17.3	
9.6	30.5	44.4	
9.6	42.5	43.0	
8.1	53.5	45.7	9.0
9.4	58.2	1.1	
8.4	59.0	57.3	9.5 S
9.0	34 2.0	40.3	
9.5	4.0	23.8	
9.6	6.0	12.3	
9.6	7.9	40.9	
9.4	9.0	48.3	
9.6	21.5	28.1	
9.6	29.0	10.6	
9.5	29.0	52.7	
9.4	31.5	33.9	
9.6	33.0	48.4	
9.6	35.0	10.5	
9.6	39.0	35.7	
9.2	41.9	56.8	
9.4	49.3	5.3	
9.4	50.3	49.2	
9.6	51.3	44.0	
9.4	35 0.3	53.0	
9.6	1.3	28.0	
9.6	3.8	25.1	
9.6	9.3	41.8	
8.8	10.8	45.3	
9.4	15.8	5.4	
9.6	17.3	49.2	
9.6	27.5	29.4	
9.4	29.8	12.9	
8.7	33.8	9.1	9.3
8.6	34.8	33.3	
9.4	39.3	53.9	
9.2	41.3	7.0	
9.2	55.3	5.5	
9.6	36 8.3	32.5	
9.4	21.3	21.1	
8.8	29.3	26.8	9.0 G
8.8	31.3	8.5	10.0
9.2	34.8	13.0	
8.5	42.3	17.2	8.5
9.4	49.3	30.7	
8.4	53.8	26.3	8.5
9.4	55.3	37.1	
9.5	37 7.8	11.9	
9.4	14.3	58.2	
8.9	15.3	31.8	
9.6	25.3	27.9	
9.4	26.3	12.5	
9.5	27.3	18.5	
	+1 42.3	−0.9	

7441—7500.

mag.	17h. m s	−37° ′	
9.4	37 32.8	8.7	
9.4	35.3	47.4	
9.4	37.8	26.0	
8.8	38.8	46.8	9.5
9.2	39.3	45.7	9.0
8.9	39.8	14.0	
9.4	43.8	21.0	
9.5	49.3	40.4	
9.4	49.8	23.5	
9.0	51.8	3.1	
9.5	56.1	0.6	
9.5	59.3	34.2	
9.6	38 8.3	33.6	
9.2	8.8	30.0	
9.4	10.8	20.5	
8.8	18.8	2.9	9.5
9.4	22.3	25.0	
8.9	24.8	6.0	9.0 G
9.2	24.8	8.2	
9.6	27.3	40.6	
9.6	28.3	17.9	
9.6	29.3	17.7	
9.6	29.3	2.8	
9.6	37.8	59.6	
9.4	39.3	6.1	
9.6	39.8	17.0	
9.6	48.8	40.2	
9.2	49.3	31.3	
9.6	52.8	21.3	
8.9	58.3	47.6	9.0
9.1	59.3	16.4	
9.6	39 2.8	55.0	
9.6	4.8	50.6	
9.4	10.3	25.2	
9.2	17.8	48.1	
9.5	23.7	42.5	
8.6	25.8	35.4	
8.9	29.8	7.4	
8.9	31.1	23.7	
9.6	36.6	51.1	
8.6	38.1	22.0	
9.5	42.1	50.4	
9.0	43.6	43.2	
9.6	44.1	2.3	
9.2	45.6	3.8	
9.6	47.6	6.3	
9.4	48.1	46.8	
9.5	49.6	39.8	
9.2	49.6	11.6	
9.4	52.6	47.5	
9.6	58.1	20.0	
9.6	59.6	42.6	
9.2	40 1.1	17.6	
9.4	7.1	23.3	
9.6	10.1	15.4	
9.4	14.1	8.1	
9.1	15.6	1.0	9.5
8.3	19.1	21.8	8.0 –
9.6	19.6	20.6	
9.6	24.1	31.0	
	+1 42.3	−0.8	

7501—7560.

mag.	17h. m s	−37° ′	
9.6	40 28.9	40.5	
9.5	29.1	9.2	
8.4	29.6	14.8	9.0
9.6	30.6	34.6	
8.8	31.6	18.1	
9.0	33.1	41.1	
9.4	36.6	35.4	
9.4	40.6	16.8	
9.2	44.1	14.6	
9.2	48.6	30.6	
9.6	52.9	1.7	
9.2	54.1	8.8	
9.4	54.1	13.8	
9.5	57.6	59.9	
9.0	59.1	19.8	
9.5	59.6	36.1	
9.6	41 12.1	55.2	
9.0	15.1	52.2	
6.3	21.2	0.0	3.5 GStπ
8.8	21.9	29.2	G
9.4	23.9	9.2	
9.2	24.4	29.2	G
9.6	32.9	53.9	
9.6	34.9	37.7	
9.5	36.4	23.7	
8.8	37.9	1.4	
9.2	38.9	17.2	
9.6	39.4	37.0	
9.6	39.9	53.3	
neb.	43.3	0.6	
9.6	55.4	48.9	
9.6	56.9	20.0	
9.6	59.9	32.8	
9.5	59.9	59.4	
9.4	42 0.1	6.9	
8.8	3.4	31.0	
9.6	4.9	21.0	
9.4	12.9	31.5	
9.6	14.9	31.9	
9.6	15.9	10.5	
9.1	21.4	55.0	
9.6	25.4	40.6	
9.4	31.9	37.2	
9.5	34.9	45.9	
9.2	35.4	50.9	
9.1	38.4	47.7	
9.2	39.9	29.2	
8.0	42.4	46.2	8.0 G–
9.6	44.4	23.9	
9.4	44.9	52.4	
9.4	47.4	8.5	
9.4	49.4	34.8	
9.2	50.9	25.7	
8.8	54.9	24.1	8.0
9.6	55.4	21.4	
9.4	59.9	49.0	
9.6	43 3.4	7.9	
9.6	4.4	43.0	
9.6	8.4	29.9	
9.4	11.1	58.5	
	+1 42.3	−0.7	

7561—7620.

mag.	17h. m	s	−37° ′	
9·2	43	23·9	28·0	
9·6		28·9	17·6	
9·2		29·9	21·0	
9·2		29·9	32·9	
9·6		33·9	29·9	
9·6		34·4	40·7	
9·6		35·9	16·2	
8·8		37·4	30·8	
9·2		38·4	47·9	
8·8		39·9	47·1	
9·0		43·9	5·7	
8·3		45·4	42·8	8·5
8·8		50·4	51·9	
8·4		50·4	54·2	
9·6		54·9	11·4	
9·6	44	1·9	44·0	
9·6		4·4	37·2	
9·5		4·4	6·1	
9·6		9·1	38·4	
9·6		14·9	38·8	
9·2		19·9	43·6	
9·2		24·4	42·1	
9·2		24·9	46·7	
9·4		29·4	45·8	
9·6		29·9	22·1	
9·2		31·9	46·3	
9·6		39·9	55·0	
9·6		41·1	49·3	
8·2		44·9	2·8	7·8
9·2		45·9	42·4	
9·2		47·4	40·2	
9·1		54·9	56·6	
9·6		55·4	17·9	
9·6	45	0·9	27·4	
9·4		0·9	32·7	
9·5		1·6	2·3	
9·6		3·4	22·0	
9·6		4·4	27·0	
9·6		5·4	4·6	
9·4		7·4	41·8	
8·9		9·4	32·8	
9·4		9·9	16·3	
9·6		19·9	16·3	
9·0		29·4	38·0	
9·2		35·9	3·3	
9·6		36·4	7·9	
9·6		39·9	8·9	
9·6		45·4	6·9	
9·6		47·8	0·9	
8·6		55·4	25·1	8·0 –
9·2		57·9	17·9	
9·6		59·9	35·5	
9·6	46	0·1	55·6	
9·1		2·4	39·1	
9·5		3·4	37·7	
9·2		4·9	30·1	
9·4		5·4	55·0	
9·6		6·4	4·7	
9·4		14·4	49·2	
9·4		17·9	46·7	
25pr.	+1	42·4	−0·5	

7621—7680.

mag.	17h. m	s	−37° ′	
9·6	46	17·9	47·3	
9·4		20·9	55·0	
8·5		24·4	32·4	9·5
9·5		40·9	20·5	
9·5		42·4	22·0	
9·4		44·4	45·1	
9·6		44·9	5·0	
9·2		49·9	24·8	
9·6		50·9	53·8	
9·5		53·4	43·1	
8·9		53·9	46·6	
9·4		54·4	34·5	
9·2		55·4	25·1	
8·8		59·9	15·4	
9·1	47	1·4	30·7	
9·2		1·4	59·9	
9·2		2·4	42·5	
9·6		2·4	24·0	
9·2		4·9	23·3	
8·7		5·4	55·7	8·5
9·6		9·1	18·6	
9·4		9·4	33·1	
9·5		12·4	32·6	
8·9		17·9	58·5	
9·4		18·9	21·2	
8·8		19·9	7·6	9·0
9·6		24·9	53·7	
8·4		26·4	2·0	8·0
8·8		29·4	53·0	
9·6		39·9	53·3	
9·6		40·4	53·1	
8·8		44·9	33·7	
9·4		45·4	13·3	
9·6		45·4	15·6	
8·8		53·4	30·4	
8·8		54·2	1·2	9·5
9·6		58·4	50·1	
9·2	48	2·4	59·5	
8·9		2·4	40·2	
9·6		5·4	4·8	
8·5		12·9	39·8	
9·4		13·9	53·8	
9·4		20·9	28·1	
9·6		20·9	59·0	
9·2		24·4	35·6	
9·6		24·9	28·5	
9·4		25·4	21·9	
9·0		25·9	46·3	
9·4		31·4	45·1	
9·6		33·9	25·5	
9·4		40·9	35·5	
9·0		41·4	14·1	9·0
9·2		42·4	27·2	
9·6		43·4	14·4	
9·6		45·9	3·6	
9·2		47·9	32·0	
9·1		48·9	10·8	
9·6		50·4	36·0	
9·6		50·4	45·4	
9·6		51·4	57·3	
	+1	42·4	−0·4	

7681—7740.

mag.	17h. m	s	−37° ′	
9·5	48	53·9	7·0	
9·6		56·4	29·7	
9·1		59·7	2·6	
8·8		59·9	12·1	
9·2	49	0·9	42·0	
9·4		5·9	22·6	
9·2		5·9	35·7	
9·4		5·9	31·0	
9·6		13·9	16·2	
9·2		26·4	30·9	
9·4		29·4	46·0	
9·6		29·9	22·8	
9·5		30·9	13·9	
9·6		32·4	46·5	
9·6		33·4	20·2	
8·7		37·4	26·0	
8·2		39·9	18·9	–
9·6		40·4	10·6	
9·1		40·4	55·2	
9·5		42·4	14·5	
9·4		42·4	11·6	
9·5		42·9	23·3	
9·6		45·4	37·7	
9·6		46·4	26·8	
9·5		46·9	50·9	
9·5		49·4	6·0	
9·4		50·9	0·9	
9·2		55·4	32·0	
9·5		57·4	44·8	
9·4		59·4	14·1	
9·5	50	1·4	9·8	
9·4		1·4	16·9	
8·2		1·6	57·4	8·0 G
9·2		4·4	14·1	
9·4		5·4	50·1	
9·1		5·4	9·3	
9·5		10·4	25·3	
9·6		10·4	11·1	
9·6		15·9	53·0	
9·5		16·4	35·5	
9·5		16·4	12·6	
9·5		18·4	52·5	
9·2		22·4	59·9	
9·6		25·4	32·6	
9·6		28·2	46·2	
9·4		29·9	57·2	
9·6		34·9	53·7	
8·8		37·9	33·3	
9·2		39·9	28·3	
9·2		42·4	13·9	
8·7		45·9	16·7	
8·6		46·4	52·0	9·5
9·5		48·4	59·5	
9·2		48·9	8·9	
9·4		51·9	24·2	
9·2		51·9	5·1	
9·4		51·9	31·7	
9·6		55·2	4·8	
9·2	51	4·2	1·5	
9·5		10·4	28·9	
	+1	42·4	−0·4	

7741—7800.

mag.	17h. m	s	−37° ′	
9·5	51	11·0	2·1	
9·4		11·4	53·7	
8·9		15·4	54·1	
9·5		16·4	18·6	
9·4		19·9	5·4	
9·2		22·9	50·1	9·5
8·0		24·9	15·4	8·0 –
8·8		27·9	28·1	
9·4		29·7	17·5	
9·6		29·9	27·9	
9·6		32·2	27·4	
9·4		32·4	25·0	
8·5		37·4	20·5	8·5 G
8·2		39·4	53·0	8·5
9·6		40·7	4·6	
7·9		43·7	23·7	7·5 G–
9·2		45·7	3·5	
9·2		46·7	5·7	
9·2		49·7	52·5	
9·1		50·2	28·2	
9·4		55·2	9·1	
9·2		55·2	12·6	
9·0		58·2	29·3	
9·4		58·2	53·9	
8·6		58·7	41·3	
9·4	52	0·7	42·2	
9·2		0·7	14·2	
9·2		6·7	10·6	
9·2		9·7	3·4	
9·6		9·7	37·3	
9·2		9·9	1·9	
9·6		10·2	32·2	
9·4		10·4	19·5	
9·6		13·2	38·2	
8·9		15·7	29·2	8·5
9·2		16·2	6·8	9·5
9·0		20·2	5·3	
9·6		22·7	52·4	
9·5		25·2	39·6	
9·4		28·7	54·0	
9·4		30·2	42·6	
9·6		30·2	24·5	
9·6		33·2	28·1	
9·5		34·2	23·9	
9·6		34·7	52·9	
8·0		36·2	29·3	8·0 G
9·4		39·2	26·0	
8·8		40·2	14·8	
9·2		40·2	30·6	
9·1		41·7	39·7	
9·6		49·7	9·6	
8·8		51·7	16·3	
9·6		53·2	25·7	
9·4		54·7	47·1	
9·2		56·7	55·4	
8·8		57·1	35·0	
9·2	53	0·7	51·6	
9·2		0·7	32·2	
9·2		5·2	12·5	
9·2		6·2	7·0	
	+1	42·4	−0·3	

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7801—7860.

mag.	17h. m	s	—37° ′	
9·4	53	8·2	41·7	
9·6		10·2	50·4	
9·2		12·1	56·6	
9·6		15·2	52·7	
9·6		18·2	0·5	
9·6		19·7	41·5	
9·4		20·2	34·7	
9·2		22·2	9·9	
9·6		22·7	36·9	
9·4		23·2	13·5	
9·6		30·2	36·5	
9·4		33·7	25·5	
9·6		34·2	32·7	
9·2		34·9	26·4	
9·4		37·1	57·1	
9·6		39·7	50·9	
9·4		42·1	41·5	
9·2		45·7	8·7	
9·4		47·2	34·7	
9·6		49·7	14·5	
9·4		50·7	34·8	
9·2		51·4	14·5	
8·8		54·2	57·1	8·5 G
9·2		54·9	25·8	
9·2	54	0·2	30·9	
9·4		0·7	19·9	
9·6		3·2	11·1	
9·0		4·2	52·5	
9·1		4·2	21·0	
10·2†		7·0	59·7	
9·4		7·7	49·5	
9·6		8·7	16·9	
9·5		9·7	34·9	
9·3		11·3	40·7	9·5
9·5		23·0	20·3	
9·2		29·8	57·0	
9·1		44·5	31·5	
9·6		48·0	16·6	
8·0		50·8	14·5	9·0 G
9·7	55	1·8	39·1	
8·0		6·3	43·6	8·2 G
9·5		8·8	23·1	
9·7		10·8	28·1	
9·7		27·3	2·8	
8·9		49·2	37·1	9·0
9·5	56	1·7	18·5	
9·7		4·7	21·6	
10·2†		13·0	59·3	
9·7		26·7	9·9	
9·7		27·2	11·0	
9·7		29·7	33·9	
9·7		39·2	35·2	
7·8		41·2	43·3	7·5 G–
9·7		48·2	29·4	
9·7		49·2	25·6	
9·4		51·2	55·6	
9·7	57	0·2	23·1	
7·6		0·2	28·4	7·5 GS–
10·1†		3·5	59·0	
9·2		19·2	49·5	
25pr.	+1	42·4	–0·2	

7861—7920.

mag.	17h.–18h. m	s	—37° ′	
9·7	57	24·2	49·6	
9·7		29·2	33·2	
8·3		32·7	26·2	7·8 GW
9·7		35·7	5·7	
7·6		40·2	30·0	8·2 GS–
9·7		41·7	13·1	
9·7		45·2	21·6	
9·5		49·2	19·9	
9·7		51·2	11·6	
8·9		51·2	30·8	9·8
8·8		59·2	59·3	
9·6	58	0·7	10·2	
9·5		5·2	17·9	
9·6		8·2	53·5	
9·7		16·3	0·4	
9·7		26·2	43·7	
9·2		28·2	23·7	
9·7		31·2	56·7	
9·5		33·7	24·7	
9·4		37·7	46·6	
9·7		39·2	25·8	
9·5		41·7	50·2	9·0
9·7		46·7	49·3	
8·6		50·7	32·1	
9·6		53·3	57·6	
9·7	59	1·7	20·3	
9·3		1·7	36·0	
9·3		7·9	0·2	
9·6		10·7	23·1	
9·0		15·2	20·4	9·0
9·7		18·7	20·4	
9·6		19·7	21·0	
9·7		21·7	32·0	
9·7		27·2	34·8	
9·7		28·7	7·0	
9·7		28·7	26·7	
9·7		29·2	14·1	
9·7		30·7	48·4	
9·3		32·7	47·8	
9·7		35·7	38·2	
9·7		36·7	11·3	
9·6		44·7	18·6	
10·2†		51·2	58·2	
9·5		52·7	24·2	
9·7		56·2	49·1	
9·7	0	0·2	1·1	
9·5		4·2	45·5	
9·7		14·7	3·0	
9·6		15·7	52·9	
9·3		25·2	51·5	
9·1		29·2	40·8	
9·7		31·0	0·0	
9·7		39·2	12·3	
9·7		44·2	32·4	
9·7		47·2	56·4	
9·3		53·2	52·9	
9·2		54·2	33·3	
9·5		59·2	34·1	
8·8	1	7·7	37·9	9·5
9·3		13·7	29·0	
	+1	42·5	0·0	

7921—7980.

mag.	18h. m	s	—37° ′	
9·0	1	15·2	45·1	
8·8		17·2	43·0	9·5
9·0		20·2	48·4	9·0
9·7		21·2	6·3	
9·7		26·5	1·0	
9·6		27·7	54·6	
9·2		29·2	23·9	
9·5		29·2	15·0	
9·4		30·7	35·8	
9·7		32·7	32·8	
9·5		36·0	0·8	
9·7		43·7	48·2	
9·7		48·2	26·5	
7·8		59·2	14·4	8·0 –
9·7	2	5·2	27·2	
8·7		14·2	15·9	9·0
9·4		23·7	7·1	
8·8		32·2	54·8	
9·6		41·5	1·9	
9·4		49·2	42·0	
9·4	3	1·2	2·0	
9·3		9·2	52·1	
9·5		9·2	46·0	
9·7		18·7	47·9	
9·7		24·2	48·8	
9·6		28·7	53·5	
9·7		30·7	48·7	
8·1		35·2	4·0	8·5
9·1		39·7	39·9	
9·3		41·7	55·0	
9·4		43·2	1·7	8·5
9·3		45·2	57·1	
9·7		45·2	27·8	
9·7		46·7	12·9	
9·7		49·2	56·2	
7·8		51·7	46·6	–
9·6		54·7	12·9	
9·7	4	11·7	33·9	
9·3		16·7	11·6	
8·6		19·2	12·7	
9·0		29·2	50·7	
9·5		31·2	19·9	
9·5		35·2	21·0	
9·7		41·7	48·9	
9·5		44·2	31·3	
9·6		49·2	35·5	
9·3		54·7	56·4	
9·5		55·2	50·5	
9·4		59·2	4·1	
9·7	5	7·2	47·7	
8·5		12·2	16·9	8·5
9·7		17·2	15·9	
9·6		17·7	42·0	
8·8		18·7	41·7	
9·4		19·2	29·0	
9·7		21·2	7·0	
9·7		26·7	25·1	
9·3		34·2	27·5	9·5
7·8		37·2	38·9	8·0 W=
9·3		40·2	49·1	
	+1	42·5	+0·1	

7981—8040.

mag.	18h. m	s	—37° ′	
9·2	5	41·2	33·5	
9·6		44·2	3·1	
9·1		49·2	12·9	
9·7		53·2	15·1	
8·7		54·2	40·9	8·5 W=
9·7		58·7	7·2	
9·7		58·7	43·7	
9·6	6	7·7	38·1	
9·7		19·2	33·2	
9·6		19·7	41·5	
9·7		25·7	23·3	
9·0		26·7	17·3	
9·3		26·7	33·3	
8·7		27·2	34·1	
9·7		31·2	41·1	
9·7		42·7	15·3	
9·7		45·2	57·9	
9·7		52·7	41·5	
9·7		54·2	10·5	
9·3	7	3·2	14·4	
9·7		5·2	42·3	
9·7		10·7	44·2	
9·5		11·2	22·6	
9·5		19·2	24·8	
9·5		19·2	52·2	
9·6		23·2	16·3	
9·7		23·2	35·8	
9·7		25·2	28·7	
9·7		28·7	40·0	
8·1		29·2	5·2	8·5
9·7		31·2	25·6	
9·7		35·2	35·0	
9·4		35·7	38·3	
9·7		38·2	42·2	
8·8		40·2	30·5	
9·2		42·7	21·8	
9·7		48·2	37·6	
9·7		55·2	1·9	
9·7	8	1·2	19·4	
9·3		7·2	5·0	10·0
9·7		15·2	30·1	
9·4		25·2	27·0	
9·7		30·7	8·2	
9·3		39·2	42·1	
9·3		40·7	21·2	
9·7		41·7	12·1	
9·3		44·2	16·3	
9·2		46·7	23·7	
9·5		51·7	4·6	
9·7		53·7	47·6	
9·7		59·2	38·8	
9·6		59·2	29·1	
9·6	9	5·2	48·9	
9·3		24·2	37·3	
9·7		29·3	1·0	
8·8		34·2	9·0	9·0
9·7		35·7	0·8	
9·7		36·2	20·2	
9·7		53·7	22·2	
8·2	10	8·7	16·0	7·5 Gtπ
	+1	42·4	+0·3	

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8041—8100.

mag.	18h. m	s	—37° ′	
9·3	10	9·2	34·1	
9·1		9·7	9·1	9·5
9·6		10·2	48·2	
9·4		11·7	57·7	
9·4		18·2	23·5	
9·5		34·2	40·0	
9·7		35·2	14·7	
9·1		50·2	50·0	
9·7		59·7	25·0	
9·1	11	4·7	14·2	
9·7		7·7	4·8	
9·2		10·2	1·9	
9·7		14·2	38·5	
8·3		15·2	38·9	9·0
9·7		17·7	26·4	
9·4		18·7	0·7	
8·7		21·0	1·9	
9·6		22·7	33·7	
8·8		23·2	43·8	9·0
9·7		39·2	22·3	
9·3		47·7	17·3	
9·7		49·0	1·8	
8·9		54·2	3·8	
9·7		58·2	30·7	
9·7	12	7·2	44·1	
9·7		14·2	44·1	
9·7		21·2	46·5	
7·6		22·7	32·2	7·0 GS–
9·7		31·7	52·9	
9·3		35·7	43·7	
8·8		37·2	19·8	
9·6		46·2	17·5	
9·3		54·7	7·8	
8·1		57·7	17·9	–
9·3	13	11·7	47·7	
9·3		22·2	19·9	
8·9		22·7	59·2	
8·0		39·2	48·8	8·5 G
8·9		45·2	47·6	9·5
9·4		49·2	52·1	
9·7		54·2	4·3	
9·7	14	5·2	23·1	
9·4		14·7	46·3	
9·7		19·2	24·0	
9·5		29·7	37·1	
9·7		35·2	36·0	
9·7		44·2	35·3	
9·4		58·2	7·1	
8·7	15	11·2	53·1	
9·7		20·2	57·4	
9·7		24·2	3·9	
9·4		37·7	45·1	
8·2		38·2	16·5	
9·5		39·2	4·8	
9·7		41·2	25·5	
9·7		44·2	39·5	
9·3		48·7	26·0	
9·1		51·2	49·8	
9·2		51·2	27·3	
9·7		55·2	35·6	
25pr.	+1	42·4	+0·5	

8101—8160.

mag.	18h. m	s	—37° ′	
7·8	15	59·7	17·1	–
9·2	16	12·7	49·8	
9·3		14·2	9·9	
9·7		24·2	20·1	
9·3		28·2	43·0	
8·9		34·2	41·6	
9·2		41·2	34·6	
9·2		42·7	31·1	
9·5		43·7	37·2	
9·6		50·2	9·5	
9·6		56·7	21·1	
7·7	17	0·7	12·8	8·0 G–
9·5		8·2	23·4	
9·7		30·4	4·9	
8·8		32·7	58·7	
8·7		41·2	52·6	
9·3		41·5	0·3	
9·3		41·7	7·1	
9·7		47·2	36·7	
9·6		50·2	24·5	
9·0		55·2	3·9	
9·3	18	3·2	48·1	
9·7		12·2	33·4	
9·3		29·2	41·1	
9·2		35·2	16·1	
8·9		39·0	21·9	
9·8		48·0	32·8	
9·8		50·5	1·4	
9·7		50·5	39·6	
9·7		56·0	56·4	
9·8	19	1·5	58·1	
9·7*		4·2	35·4	
9·8		9·5	21·7	
9·2		19·5	55·4	
9·8		29·0	40·6	
9·7		29·8	20·6	
9·4		32·8	24·7	
8·4		35·3	26·8	
9·7		47·8	56·7	
8·9	20	6·8	11·8	
9·4		11·3	7·1	
9·0		14·8	33·4	
8·9		17·8	34·2	
9·8		18·3	15·1	
8·4		18·3	4·4	–
9·4		22·3	11·0	
9·5		28·8	58·7	
9·8		29·8	47·2	
8·4		36·3	22·5	–
9·2		36·3	12·5	
8·2		38·8	5·2	–
9·8		59·8	49·6	
9·8	21	6·8	13·0	
9·8		34·8	48·2	
8·6		49·3	3·3	9·5
9·8		51·8	3·7	
9·4		59·8	21·9	
8·5	22	0·3	37·8	9·0 –
9·5		1·8	52·9	
9·7		9·8	5·1	
	+1	42·3	+0·7	

8161—8220.

mag.	18h. m	s	—37° ′	
9·8	22	12·8	42·3	
9·2		18·8	0·3	9·0
9·5		20·8	21·6	
9·2		22·8	44·5	
9·7		26·8	57·9	
9·7		27·3	56·1	
9·8		32·3	15·4	
9·8		45·8	16·4	
9·8		47·8	27·6	
7·8		52·8	40·4	7·5 G–
9·6		57·8	25·0	
9·8		58·3	33·1	
9·4	23	3·8	50·8	
9·6		8·8	17·5	
9·8		18·8	40·9	
7·8		42·8	17·7	8·5 G
9·7		44·8	8·4	
9·8		52·8	34·3	
8·8		57·8	10·4	9·5
9·5		59·3	20·0	
9·8	24	8·8	47·7	
9·0		18·8	28·1	
9·2		28·8	44·3	
9·8		48·8	3·0	
8·5		49·8	24·7	–
9·6	25	4·8	17·9	
9·1		8·8	37·9	
8·4		12·8	10·3	9·0
9·7		26·8	23·5	
8·8		28·8	47·9	8·5
8·6		36·8	0·6	9·0
9·7		37·6	23·1	
9·8		40·3	8·9	
9·4		41·3	19·4	
9·7		53·8	26·7	
9·7		54·8	19·0	
9·8		57·8	11·2	
9·4		59·3	58·8	
9·6	26	2·3	58·9	
9·2		7·8	21·3	
9·1		17·3	31·6	
9·1		18·8	31·9	
8·8		25·3	28·3	
9·2		43·8	29·1	
9·4		50·8	5·9	
9·5		56·3	38·9	
9·7		56·8	55·7	
9·8		57·3	58·5	
9·8	27	0·8	25·3	
9·2		1·8	4·8	
9·8		4·8	43·7	
9·0		18·3	45·2	
9·8		19·8	58·9	
9·4		29·3	6·0	
9·8		34·6	24·3	
9·5		43·8	53·9	
9·2		58·8	54·6	
8·2	28	8·8	45·1	8·5 –
9·0		9·1	14·9	
9·2		13·1	2·9	
	+1	42·2	+0·9	

8221—8280.

mag.	18h. m	s	—37° ′	
9·7	28	23·1	27·4	
9·2		24·1	20·6	
8·1		27·1	30·7	8·5 –
8·8		28·6	18·7	
9·8		32·6	15·9	
9·8		37·1	11·5	
9·4		44·1	7·4	
9·8		54·1	2·5	
9·2		54·6	1·8	
9·8		59·1	44·2	
9·8		59·1	39·7	
9·7	29	4·6	51·9	
9·6		10·1	35·0	
8·8		11·6	45·8	10·0
9·8		19·1	24·0	
9·2		21·1	42·6	9·5
9·4		21·1	9·9	
9·2		25·1	36·5	10·0
9·2		27·6	21·7	
9·8		28·1	48·9	
9·5		31·6	23·9	
8·6		33·1	54·4	
9·8		33·6	40·9	
9·6		37·6	1·9	
9·1		40·1	30·4	
9·8		58·1	26·8	
9·7	30	1·1	8·3	
8·8		2·1	4·8	9·5
9·4		9·1	27·6	
9·8		10·6	9·3	
8·3		13·1	6·3	9·0
8·2		20·6	45·6	9·0
9·8		22·1	44·2	
7·7		23·1	58·7	8·0
9·2		25·1	3·5	
9·6		31·1	3·4	
9·7		34·1	32·5	
9·7		35·1	31·3	
9·8		40·6	17·8	
8·6		48·6	48·1	9·0
9·1		49·1	14·8	
9·5		51·6	31·6	
8·5		52·3	23·5	–
9·8	31	19·3	23·1	
9·8		23·8	23·2	
9·7		28·8	39·0	
8·4		34·8	36·7	8·5 G–
9·7		39·3	55·9	
9·1		40·8	38·4	
9·0		47·3	28·0	
9·2	32	1·3	4·7	
9·2		10·3	3·3	
9·7		32·3	14·1	
9·2		32·3	45·8	9·0 G
9·6		33·8	17·7	
9·2		34·8	56·9	10·0
8·7		44·3	35·7	8·5
9·4		44·3	36·5	
9·8	33	8·3	1·7	
9·2		12·3	1·2	9·0
	+1	42·2	+1·1	

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8281—8340.

mag.	18h. m s	—37° ′	
9·8	33 29·3	17·9	
9·8	39·3	52·6	
9·8	34 14·3	5·0	
9·7	14·8	40·6	
9·1	15·3	39·2	
8·8	21·3	11·6	
9·7	29·8	49·0	
9·4	32·3	58·0	
9·2	37·1	57·8	W
9·8	35 20·3	5·8	
9·1	21·3	14·7	
8·8	33·3	52·1	
9·4	46·7	2·7	
9·2	57·8	24·7	
9·7	57·8	0·1	
9·0	36 10·8	38·3	9·5
9·0	13·1	0·6	8·5 S
9·7	17·3	37·4	
9·8	29·3	27·2	
9·7	29·3	7·9	
9·8	32·8	28·0	
9·4	35·3	46·0	
9·2	42·3	22·8	
9·8	47·5	6·1	
8·8	49·0	59·8	9·0
9·2	49·5	9·3	
9·7	49·5	48·9	
8·8	37 2·4	57·8	9·0
8·8	3·5	45·8	9·0
9·8	9·0	4·6	
9·4	21·5	49·5	
9·8	24·5	26·4	
9·0	30·5	4·5	
9·8	33·0	26·1	
9·8	39·0	18·4	
9·1	41·5	8·0	
9·8	41·5	19·5	
9·0	59·5	50·0	
9·8	38 11·5	24·9	
9·6	14·5	13·5	
9·4	17·0	28·6	
9·2	18·0	52·6	
9·4	27·5	29·9	
9·5	39·5	43·9	
8·8	41·5	8·9	9·5
9·7	44·5	52·8	
7·3	49·5	40·6	7·5 GS–
9·5	49·5	56·3	
9·6	58·5	11·4	
9·2	39 1·0	51·4	
9·8	13·0	7·8	
9·7	16·0	59·8	
9·8	17·0	39·1	
9·8	19·5	1·8	
9·2	21·5	20·5	
9·4	22·5	18·7	
9·5	25·0	45·8	
9·5	27·5	52·2	
9·7	29·5	58·0	
8·6	39·5	42·9	9·5
25pr.	+1 42·1	+1·3	

8341—8400.

mag.	18h. m s	—37° ′	
9·0	39 42·5	36·6	
9·8	44·5	22·3	
9·4	47·0	18·8	
9·8	49·5	29·9	
8·1	53·5	8·7	7·0 GS=g
9·8	40 5·0	31·9	
9·4	15·1	42·4	
9·8	31·9	35·0	
9·2	41·6	40·4	
9·8	43·6	12·2	
9·7	56·1	34·8	
9·8	41 6·6	53·4	
8·6	9·6	26·9	8·0 G–
9·2	32·1	11·2	
9·2	35·9	57·9	
9·4	48·6	44·2	
9·4	49·6	43·9	
9·2	51·6	8·7	
9·8	59·9	11·9	
9·7	42 5·6	27·5	
9·6	13·6	54·5	
9·2	19·6	26·0	
9·2	27·6	15·1	
8·4	37·6	23·3	7·5 GW–
9·8	42·1	26·4	
9·8	49·6	49·1	
9·8	43 1·1	52·2	
9·8	9·6	58·6	
9·8	19·1	34·7	
9·2	21·0	2·2	
8·8	35·6	17·8	
8·5	42·6	8·6	
9·2	50·6	10·3	
9·2	44 2·1	29·6	
9·4	3·6	11·6	
9·5	6·1	45·6	
9·7	12·1	48·1	
9·7	12·5	5·9	
9·7	14·1	24·1	
9·8	19·6	2·4	
9·8	29·6	32·7	
9·8	29·6	18·7	
9·4	31·6	53·1	
8·8	35·1	11·0	
9·5	49·6	19·9	
9·8	49·6	41·0	
10·2	52·0	36·6	
7·4	56·0	25·3	7·5 GS–
10·2	59·7	51·2	
9·4	45 1·3	44·1	
9·8	14·3	58·0	
10·2	16·3	17·3	
10·2	25·8	34·0	
9·7	38·8	50·3	
10·1	39·3	56·4	
10·1	49·3	41·9	
10·2	46 2·9	26·3	
10·2	8·8	48·1	
10·0	29·3	23·6	
9·8	29·3	39·4	
	+1 42·0	+1·6	

8401—8460.

mag.	18h. m s	—37° ′	
9·4	46 36·3	21·2	
10·2	38·1	9·8	
9·7	39·1	36·1	
9·9	39·6	18·3	
10·2	46·6	16·8	
8·0	48·6	38·5	8·0 G
7·2	54·6	32·4	7·0 GSct
10·2	55·0	25·3	
10·2	58·6	31·0	
9·0	47 7·6	29·6	
9·4	13·1	11·5	
9·6	14·6	47·8	
10·2	14·6	32·5	
10·1	19·6	34·1	
9·8	42·1	48·2	
9·1	42·6	2·0	9·5
5·4	48 11·1	29·9	6·0 GStπ
9·2	35·1	52·3	
10·2	35·1	39·7	
10·2	35·1	49·2	
9·2	40·1	41·8	
10·2	53·1	2·2	
10·2	49 4·1	15·5	
10·2	11·6	52·4	
10·2	13·1	35·8	
10·2	40·6	38·0	
8·7	47·1	28·7	GW–
9·7	52·1	37·0	
9·6	54·1	17·7	
10·2	50 5·6	31·9	
9·9	8·1	44·6	
10·2	11·0	45·0	
5·6	17·6	16·0	6·0 GStπ
9·7	21·1	22·7	
10·0	44·6	46·0	
9·9	55·1	33·3	
10·2	51 1·1	46·2	
9·6	16·1	46·2	9·0
10·2	16·1	50·8	
9·2	48·1	25·6	
9·7	52·6	8·5	
10·2	59·6	55·6	
9·4	52 7·1	19·1	
9·9	31·6	48·8	
10·1	37·1	58·3	
6·4	37·1	13·7	6·5 GS=t
9·8	39·6	42·1	
10·1	44·5	52·3	
7·2	53 13·5	3·6	7·0 GS–
8·7	15·0	2·8	9·5 G
9·6	22·5	57·4	
10·1	28·0	7·5	
9·6	35·0	18·0	
9·8	36·0	33·5	
9·3	54 29·0	50·5	
9·3	43·0	39·7	
9·4	55 47·0	5·0	
10·0	49·0	7·9	
9·8	56 7·5	52·0	
7·8	• 19·7	1·5	8·0
	+1 41·9	+1·8	

8461—8520.

mag.	18h.-19h. m s	—37° ′	
9·7	56 25·5	15·4	
9·1	57 3·5	3·5	9·5
10·2	27·5	48·8	
5·5	58·0	14·3	5·0 GStπ
10·2	59·0	6·9	
7·1	58 24·7	59·2	7·0 GW–
9·6	59 0·5	47·3	
10·2	4·5	56·1	
10·2	16·5	49·9	
9·1	29·5	4·0	9·2
9·6	32·5	50·5	
10·2	0 6·0	43·1	
8·9	40·5	3·8	9·0
10·0	42·0	35·7	
10·1	52·0	37·7	
10·2	1 1·0	51·1	
9·4	38·7	1·7	9·2
9·0	2 6·0	33·3	
10·1	9·0	10·2	
10·1	11·7	1·7	
8·9	52·5	24·5	
8·9	58·5	3·3	9·5
9·2	3 11·5	31·8	
9·8	21·5	25·1	
9·6	24·5	29·7	
9·7	38·5	45·3	
7·6	42·3	47·1	7·0 GS–
7·3	4 7·3	43·6	7·5 GS–
10·0	48·3	22·2	
10·2	53·3	28·6	
10·2	5 7·3	10·9	
10·2	19·8	31·9	
10·2	38·3	31·8	
9·6	51·3	19·8	
9·2	59·8	29·8	9·5
9·0	6 6·8	30·5	9·5
8·4	31·8	35·8	8·5 G–
9·9	7 1·8	49·6	
7·4	11·3	9·8	7·5 GS=
10·1	14·3	25·9	
9·3	21·8	43·8	
9·8	42·3	1·1	
9·8	9 5·8	27·6	
10·2	22·8	17·1	
10·0	26·3	48·0	
7·5	10 59·6	7·1	7·0 GStπ
9·2	11 0·6	52·7	
10·8†	22·5	57·7	
9·4	50·1	36·3	
8·9	12 9·6	37·5	9·0 G
10·8†	36·5	59·0	
8·8	13 46·6	27·1	8·5 G–
9·8	14 57·6	12·6	
8·0	15 20·6	18·8	8·0 G–
9·4	24·6	28·7	
9·6	16 33·1	13·3	
9·6	36·6	38·0	
9·1	36·6	47·2	8·5 G
9·8	17 13·6	13·1	
10·0	20·2	2·4	
	+1 41·4	+2·3	

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8521—8580.

mag.	19h. m s	−37° ′	
10·0	17 54·6	6·6	
9·8	18 17·1	39·6	
8·6	23·6	53·3	9·5
9·8	28·1	52·8	
9·8	43·1	15·3	
10·0	19 13·6	18·2	
10·0	23·6	1·9	
8·8	58·1	27·2	9·0
8·4	20 3·6	14·3	9·0
9·8	58·1	35·9	
10·0	21 10·6	33·4	
9·4	23·1	55·2	
8·6	29·6	17·4	9·0
8·8	39·6	0·4	
9·4	22 38·6	22·8	
9·6	43·1	21·2	
8·8	23 38·1	26·1	
10·0	46·1	28·5	
9·8	24 44·6	14·2	
8·6	59·6	53·7	9·0
9·4	25 5·1	6·1	
9·8	24·6	55·2	
8·5	33·6	7·8	8·5 G
8·6	54·6	48·0	9·0
9·8	59·6	15·1	
9·2	26 22·6	35·5	
9·2	25·6	49·3	
10·0	34·6	5·3	
10·0	45·1	3·2	
9·4	58·6	27·7	
9·6	27 2·6	24·3	
9·4	12·6	19·1	
8·9	17·6	16·2	
9·8	31·1	36·9	
9·8	32·1	4·7	
9·4	35·1	2·5	
7·8	37·6	4·6	8·2 GS≡g
10·0	45·1	8·7	
9·4	28 30·6	27·1	
9·8	45·6	51·6	
9·6	29 1·6	6·7	
9·8	24·6	28·6	
9·8	30 49·1	38·0	
8·9	49·1	53·7	
9·1	31 18·1	13·1	
10·0	20·6	0·9	
10·0	21·6	27·2	
9·8	41·1	16·9	
8·6	43·6	41·0	7·8 G= :
9·8	32 11·1	33·6	
9·4	23·6	36·5	
9·4	30·6	26·0	
9·4	31·6	56·6	
9·4	32·0	57·2	
10·0	44·6	21·5	
7·2	33 30·6	10·5	7·3 GS=
10·0	51·6	20·1	
9·4	55·8	25·6	
7·6	34 34·3	43·7	7·0 GS−
8·4	35 8·6	15·6	9·0
25pr.	+1 40·6	+3·1	

8581—8640.

mag.	19h. m s	−37° ′	
6·5	35 17·1	49·7	6·0 GS−
9·5	36 49·3	11·4	
9·8	38 14·8	41·4	
9·6	21·3	18·4	
9·8	49·3	13·0	
8·9	51·8	27·6	
9·5	40 5·3	42·5	
9·8	12·3	56·8	
9·3	14·3	24·5	
9·1	39·3	11·9	
9·3	52·3	28·0	
9·0	41 24·3	8·7	9·0
9·4	24·8	42·1	
9·3	28·3	28·2	
9·6	31·3	15·8	
9·0	44·8	16·0	
9·8	42 10·3	21·9	
7·6	52·8	12·6	8·5 GS
9·6	43 10·3	28·6	
8·8	22·8	48·4	
9·3	23·3	39·9	9·5
7·6	27·8	38·8	7·0 GS−
9·2	43·8	14·2	
8·3	44 28·0	58·8	7·5 G
9·8	43·3	13·3	
9·4	45 1·0	5·3	
9·2	15·0	42·2	
9·8	15·6	24·1	
9·8	23·5	42·2	
9·8	46 4·0	58·2	
8·6	5·0	39·0	9·0
8·4	14·5	34·2	9·0
9·4	18·5	0·4	
9·1	19·5	55·0	
8·9	20·5	14·7	
9·5	24·5	19·1	
9·4	24·5	17·0	
8·9	47 13·0	38·3	8·5
9·5	20·5	47·8	
9·6	33·5	3·2	
9·6	52·5	18·4	
9·1	48 4·5	17·1	
9·0	14·5	12·9	
9·8	19·5	59·9	
7·9	28·5	26·0	
9·3	35·0	24·0	
8·9	40·5	47·8	
9·8	54·0	32·4	
8·3	49 30·5	59·6	8·5 GW
9·4	32·5	3·9	
9·0	43·0	24·1	
9·0	51·5	6·8	
7·0	59·5	1·2	7·0 GS−
8·8	50 10·0	24·1	9·0
8·3	12·0	47·5	
9·8	17·5	22·1	
9·4	51 0·5	22·4	
7·0	25·5	42·8	7·0 GS
9·2	29·5	41·5	
9·8	41·5	30·2	
	+1 39·7	+3·7	

8641—8700.

mag.	19h.–20h. m s	−37° ′	
9·2	51 53·5	56·1	
9·2	59·5	34·1	
9·6	52 0·5	16·8	
9·3	14·5	15·2	
9·8	25·0	29·1	
8·7	53 1·5	41·8	
8·6	1·5	41·9	
9·1	5·5	57·3	
9·8	10·5	45·1	
8·2	19·5	11·5	
8·1	19·5	1·2	7·5 GS−
8·4	30·5	52·0	
9·8	34·5	8·5	
9·5	56·0	52·2	
9·6	54 15·0	14·5	
9·6	27·5	43·9	
9·8	59·5	17·0	
9·5	55 3·5	43·9	
9·1	9·5	6·8	
7·3	19·5	52·3	7·0 GS−
9·6	30·5	32·7	
9·4	31·6	2·5	
9·8	38·6	19·9	
8·3	43·5	15·3	
9·8	55·5	19·0	
9·8	56 9·5	29·8	
9·6	30·5	21·3	
9·2	33·0	53·5	
8·6	50·0	35·1	
8·7	57 4·5	19·0	
9·8	14·5	38·0	
9·3	19·5	31·2	
9·8	50·5	27·7	
9·8	58 6·5	7·9	
9·5	20·0	49·3	
9·4	20·5	43·2	
8·8	29·5	26·7	8·5
9·8	33·5	51·8	
9·3	49·5	3·7	
9·5	51·5	10·2	
9·4	54·0	8·9	
9·3	55·0	52·8	
9·5	59 2·2	55·1	
9·8	8·5	10·0	
10·1	25·0	55·9	
9·5	27·5	30·0	
9·0	30·8	13·7	
10·1	34·8	42·2	
9·5	39·5	45·9	
9·6	52·8	7·8	
9·5	0 29·5	25·8	
9·5	50·0	54·0	
10·0	1 2·0	19·9	
10·1	10·5	14·8	
9·4	22·0	18·7	
9·4	26·5	19·8	
9·6	27·0	55·3	
8·9	37·0	53·6	
9·4	42·5	29·0	
8·3	58·5	1·1	8·5
	+1 39·2	+4·1	

8701—8760.

mag.	20h. m s	−37° ′	
10·1	2 21·5	49·2	
9·5	23·0	35·5	
10·1	32·0	13·1	
10·1	3 0·5	16·3	
7·9	12·0	36·7	G
9·4	17·5	8·0	
10·1	30·5	13·5	
10·1	44·0	31·6	
10·1	46·0	55·8	
8·7	51·5	19·3	
9·0	53·5	42·2	
9·8	4 14·0	13·8	
10·0	19·5	10·3	
9·2	50·5	15·0	
9·8	5 4·0	34·0	
10·1	8·0	38·9	
10·0	18·0	29·3	
8·7	19·0	12·8	
9·5	26·0	52·1	
10·0	29·5	47·3	
10·0	33·5	4·2	
9·6	38·7	58·0	
10·0	42·5	3·2	
10·0	57·3	18·6	
10·1	6 4·5	17·9	
9·5	12·0	2·0	
8·4	14·5	42·4	
10·0	7 3·5	14·9	
9·0	24·0	29·6	
9·6	32·7	57·1	
10·0	36·0	23·4	
9·8	37·5	4·0	
9·3	52·0	18·1	
10·1	57·3	59·0	
8·2	8 4·7	58·8	8·5 G
9·4	11·0	10·0	
10·1	23·0	55·1	
9·2	28·5	35·0	
8·0	33·5	56·2	8·5
9·4	57·5	45·2	
10·1	59·0	22·2	
10·1	59·5	40·7	
10·0	9 4·5	25·9	
9·5	4·5	25·1	
7·8	10·2	0·7	8·5 G
9·5	10·5	46·1	
10·1	11·3	1·0	
9·5	30·0	39·7	
9·5	32·0	45·7	
9·8	10 14·5	56·9	
9·2	20·5	56·1	
9·2	29·0	38·2	
9·8	30·5	17·5	
10·1	42·5	57·1	
10·0	45·5	37·9	
9·8	11 11·0	27·3	
9·4	38·0	29·2	
10·1	42·0	38·7	
9·4	51·5	0·7	
10·0	12 0·5	3·9	
	+1 38·5	+4·4	

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8761—8820.

mag.	20h. m s	—37° ′	
10·1	12 9·5	22·2	
9·6	27·5	8·8	
10·0	28·0	32·9	
9·4	31·5	57·1	
9·8	35·0	26·6	
8·4	38·0	14·6	8·5
9·4	39·0	46·3	
10·0	40·5	55·8	
10·0	44·5	30·2	
9·5	45·5	39·7	
8·3	49·0	47·8	
10·1	13 10·5	50·0	
9·2	18·0	33·3	
10·1	23·0	40·1	
9·8	33·5	18·8	
7·4	34·5	0·2	7·0 G–
7·6	39·5	17·6	G
10·1	46·0	4·4	
9·2	49·5	16·8	
10·1	59·5	8·9	
9·8	14 1·0	46·6	
9·8	19·5	56·4	
7·8	36·5	39·3	
9·4	42·0	48·4	
10·1	51·5	59·4	
9·8	15 5·5	39·0	
8·3	10·5	5·2	7·5 G–
10·0	23·0	24·8	
8·7	29·5	53·2	8·5 –
9·5	34·4	12·1	
8·1	40·4	53·9	8·0 –
9·4	16 9·4	28·9	
8·2	41·4	23·8	7·5 G
9·4	42·9	52·8	
9·2	53·4	3·4	
9·8	54·4	46·4	
9·6	54·4	28·4	
10·1	17 4·4	53·0	
9·4	16·4	26·0	
9·8	40·4	57·4	
9·4	18 1·4	41·6	
9·4	5·4	30·7	
10·0	14·4	30·3	
9·4	14·9	52·4	
10·0	15·9	4·2	
8·8	18·9	30·9	8·0
9·8	19·9	56·0	
10·1	20·3	20·6	
9·4	21·9	7·7	
9·8	44·4	49·7	
6·9	45·9	48·3	6·5 GStπ
10·1	51·9	29·9	
9·4	52·9	42·9	
10·1	54·9	15·9	
8·8	19 5·9	28·3	
9·8	6·4	52·0	
9·8	10·4	44·0	
10·1	10·4	52·3	
9·5	19·4	3·7	
9·2	37·4	6·8	
25pr.	+1 38·0	+4·7	

8821—8880.

mag.	20h. m s	—37° ′	
9·4	19 39·4	3·3	
10·0	41·4	55·2	
10·0	43·4	14·0	
9·8	54·4	5·8	
10·1	20 0·4	23·6	
9·8	4·4	9·0	
8·2	43·9	15·1	7·5
10·1	46·4	47·9	
8·8	57·9	56·8	
10·1	21 14·4	58·5	
8·8	28·4	55·7	
9·2	32·9	3·2	
10·1	49·9	23·8	
9·4	54·3	57·8	
9·4	22 7·4	28·2	
8·6	22·4	32·8	9·0
8·6	23·9	26·9	9·0
10·1	27·7	30·8	
9·0	52·4	55·9	
9·5	23 12·9	16·4	
9·4	16·9	20·8	
8·8	28·9	50·2	
9·4	29·4	58·4	
9·4	38·9	41·7	
9·5	38·9	48·2	
10·1	45·4	27·2	
9·6	24 5·4	28·7	
10·0	15·9	40·5	
9·4	17·9	8·0	
8·6	20·4	15·4	8·5
10·1	29·4	39·9	
9·8	43·9	29·2	
8·4	48·9	52·2	9·0
8·7	25 42·4	8·5	9·0
10·0	46·9	7·6	
10·0	50·4	24·9	9·5
9·4	53·9	4·9	
9·2	26 15·1	56·9	
8·8	24·9	12·0	8·5
8·8	28 18·9	32·2	8·5
8·2	50·4	49·0	7·0 G–
9·2	30 48·4	48·8	
9·0	48·9	19·4	
8·8	49·4	45·0	
9·2	31 9·4	50·9	
8·6	15·4	11·8	8·0
9·2	53·5	0·3	
9·2	32 3·4	28·8	G
9·2	11·9	21·8	
9·0	40·4	47·8	
9·2	33 51·9	37·4	8·5 G
9·2	35 19·9	38·1	
9·2	29·4	56·8	
9·0	44·4	1·5	
8·6	36 19·4	11·3	8·8 G
9·2	37 11·2	57·5	
9·2	35·4	46·8	
9·2	48·4	46·6	
9·0	59·4	29·2	
8·9	38 3·4	2·6	
	+1 37·6	+4·9	

8881—8940.

mag.	20h. m s	—37° ′	
8·8	38 49·4	12·3	
9·2	39 0·9	29·8	
8·8	46·2	3·0	9·0 G
8·3	40 21·4	49·1	8·0 –
9·2	42·4	37·2	
9·2	48·9	52·8	
7·9	41 2·4	14·2	8·0
9·2	23·4	21·2	
8·1	49·4	18·9	7·5 G
9·0	42 1·4	30·2	
9·0	35·4	3·4	
8·8	39·4	12·9	
9·2	50·9	28·0	
9·0	43 5·9	31·4	
8·7	19·4	17·4	
8·8	39·4	20·6	
8·9	47·9	19·8	
9·2	45 19·8	0·0	9·5
9·2	35·0	1·5	
9·2	35·5	10·9	
9·2	39·5	39·4	
8·6	48·5	10·7	8·5
9·2	52·5	16·7	8·5
8·3	55·5	26·3	
9·2	46 31·5	8·9	
8·4	37·5	21·8	8·5
9·2	47 9·5	8·2	
8·6	23·5	33·7	9·0
8·8	39·5	52·7	
8·1	48 29·5	48·6	8·0 –
9·2	33·5	11·6	
9·2	44·6	58·2	
9·2	49 4·5	10·7	
8·8	15·0	2·7	
9·0	31·2	1·6	
9·2	49·9	37·4	
10·0	57·3	30·7	
10·0	50 21·8	54·0	
9·8	37·8	43·6	
8·8	40·3	23·9	8·5
9·7	41·3	7·8	
9·7	47·3	22·4	
9·2	51 9·3	37·1	
9·8	25·4	41·9	
9·2	32·8	47·5	
8·8	52·1	30·8	9·5
9·1	59·3	12·7	
10·0	52 8·3	28·8	
8·9	18·3	20·8	
10·0	19·3	20·5	
8·0	57·3	1·5	8·8 GS
9·0	53 4·3	7·0	
10·0	22·3	52·8	
10·0	23·3	4·7	
7·7	57·3	3·8	7·0 GStπ
10·0	54 14·8	29·7	
10·0	20·8	52·7	
9·7	27·3	29·0	
9·4	32·3	52·9	
9·6	45·8	25·1	
	+1 35·8	+5·6	

8941—9000.

mag.	20h.–21h. m s	—37° ′	
8·6	54 48·3	40·7	9·0
9·0	55 19·3	56·8	
8·8	22·8	14·9	
10·0	28·8	39·8	
10·0	39·3	50·9	
10·0	56 0·3	18·0	
10·0	32·8	22·5	
9·4	37·3	47·2	
9·2	40·3	55·8	
9·7	50·8	19·2	
7·4	57 12·8	43·3	7·0 GS
9·4	24·8	38·6	
9·7	39·8	52·9	
9·6	42·8	34·4	
9·2	58 13·8	50·6	
9·7	19·3	4·4	
9·4	33·3	52·3	
10·0	33·3	41·0	
9·4	34·3	35·9	
10·0	42·3	34·0	
10·0	53·8	43·4	
8·8	59·3	0·5	
9·6	59·3	46·3	
10·0	59 4·3	33·0	
9·4	11·8	42·5	
10·0	21·8	29·7	
10·0	22·8	14·5	
8·8	23·4	0·6	
10·0	33·8	55·7	
8·8	56·3	45·9	S
8·0	0 14·3	32·7	
9·4	44·3	49·3	
6·8	48·3	44·7	7·0 GS
9·4	1 27·8	48·4	
7·0	30·8	12·3	6·8 GS–
10·0	37·8	7·0	
9·4	50·3	55·5	
9·4	56·3	23·8	
9·4	2 56·0	59·7	
8·4	3 15·3	47·4	9·0 G
9·4	4 9·3	23·1	
10·0	18·3	49·3	
10·0	5 3·3	14·8	
10·0	8·8	18·2	
9·7	45·8	30·5	
9·6	46·8	33·8	
10·0	6 25·8	58·8	
10·0	29·3	42·0	
10·0	50·3	48·1	
9·6	51·8	36·6	
8·5	55·8	39·8	
10·0	7 3·3	16·1	
8·6	36·3	10·5	9·0
8·9	42·3	52·8	
9·1	54·3	42·0	
10·0	8 35·8	46·1	
9·2	9 4·3	17·7	
9·4	49·3	24·4	9·0
10·0	10 20·8	41·9	
9·4	25·8	51·9	
	+1 35·0	+5·9	

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9001—9060.

mag.	21ʰ m	s	—37° ′	
10·0	10	42·3	37·4	
9·0	11	9·3	7·0	
10·0		33·8	46·5	
10·0		44·8	13·4	
9·4	12	10·8	18·0	
8·3		33·8	18·8	8·5
9·4		47·3	44·6	
9·8		47·8	58·3	
10·0	13	0·3	13·1	
9·6		2·8	45·5	
9·0		4·3	36·2	
8·4		6·8	11·0	8·5 —
10·0		15·3	14·7	
8·8		31·8	18·0	9·0
9·4		37·3	0·4	
9·2		39·3	31·7	
10·0		51·3	56·7	
9·4		54·8	22·4	
10·0	14	16·8	27·0	
10·0		22·3	24·4	
9·4		56·3	24·6	
9·4	15	17·8	14·9	
9·7		24·3	24·0	
8·8		51·3	38·6	
9·4		54·3	33·6	
10·0	16	19·3	10·0	
9·8		37·7	38·3	
9·8		40·0	25·1	
9·8	17	13·2	48·0	
9·6		20·2	27·0	
9·8		37·7	36·7	
9·6	18	1·6	10·3	
9·8		20·2	21·1	
9·8	19	13·7	32·3	
9·4		25·2	43·0	
9·0		38·7	38·9	8·2
8·4		42·2	22·6	8·0 G
9·6	20	4·2	4·2	
9·6		27·7	57·2	
9·8		28·7	17·3	
9·2		33·7	32·7	
9·5		59·7	30·2	
9·4	21	5·7	18·6	
7·8		8·7	56·8	7·2 G—
9·8		10·2	4·2	
9·6		55·2	28·1	
9·2		59·2	24·1	
6·6	23	16·2	5·6	7·5 GS
9·0		17·2	38·5	
9·8		44·7	56·0	
8·6	24	2·2	39·4	9·0
8·8		5·7	42·2	9·0
9·1		17·2	58·2	9·0
9·0		20·2	31·2	
9·3		43·2	13·1	
9·4		58·7	33·9	
9·5	25	51·2	51·6	
9·3	26	9·2	22·1	
9·6		30·2	22·2	
7·3		59·7	11·9	7·0 GS—
25pr.	+ 1	33·5	+ 6·3	

9061—9120.

mag.	21ʰ m	s	—37° ′	
8·8	27	30·2	12·7	8·5 G
9·8		56·2	31·0	
9·8	28	22·4	57·9	
8·6		36·2	49·2	
9·4		53·2	48·0	
9·8	29	53·2	12·5	
8·2	30	24·2	43·3	8·0
9·8		57·2	15·1	
9·1	31	27·7	0·4	
9·3		31·3	45·9	
9·8		34·2	42·6	10·0
8·8		38·8	23·1	
7·8		40·3	42·0	8·2 G
8·2		59·3	13·2	
9·1	32	26·0	58·4	
9·6		29·9	2·0	
9·0	33	3·8	38·4	9·0
9·8		28·3	35·8	
9·8		50·3	23·0	
9·1		51·6	1·2	
9·6	34	8·8	10·3	
9·5		15·3	43·7	
9·8		18·8	43·8	
8·4		27·3	36·9	8·5 G
9·6		35·8	28·9	
9·8		51·6	19·0	
9·2	37	19·8	58·4	
9·6		48·8	53·7	
9·1	38	17·8	14·0	
9·0		20·3	45·2	
9·0		26·8	20·2	
9·5	39	23·8	0·2	
9·8		31·3	3·3	
9·1		36·8	59·5	
9·4		53·8	27·7	
9·8	40	1·8	18·9	
9·1		31·3	46·7	
9·5		58·7	17·1	
9·2	41	7·3	53·9	
9·4		35·7	44·5	9·0
9·2		53·9	29·7	
8·9	42	1·9	16·6	8·5 G
9·8		17·1	0·4	
9·8		34·1	10·5	
9·9		42·0	59·7	
9·4		44·6	54·5	
9·2		46·1	22·4	9·2
9·9		52·1	4·4	
9·9		59·1	54·0	
9·0	43	49·3	59·5	9·0 G
9·4		55·1	14·8	
9·8	44	3·6	48·8	
9·0		26·1	29·9	
9·4		40·6	54·7	9·2 G
7·6	45	42·6	28·8	7·0 GS
9·2		56·6	56·5	
9·8	46	14·1	38·9	
8·4		19·1	26·1	9·2 G
3·1		21·6	57·2	3·0 GSπλ
8·9	47	11·6	48·4	
	+ 1	31·7	+ 6·8	

9121—9180.

mag.	21ʰ·–22ʰ· m	s	—37° ′	
9·9	47	36·6	5·0	
9·4		38·6	40·2	
9·8	48	26·6	1·3	
9·0		40·1	44·1	9·5
8·0		50·1	24·1	8·2
5·7		51·1	50·6	6·0 GStπ
9·0	49	35·1	23·8	
8·2	50	13·6	13·9	8·0 G
9·4	51	2·1	3·7	
8·6		21·6	26·2	
8·7	52	2·1	51·9	8·5 G—
9·2		3·2	14·8	
8·6	53	26·2	27·4	9·0
7·3		30·2	9·2	7·0 GS—g
9·4	54	15·2	25·3	
8·0		28·7	46·5	8·7
8·9		49·8	3·1	
8·2	55	4·2	42·0	9·0
9·6		16·7	50·2	
9·9		48·7	1·2	
9·9	56	0·2	18·1	
8·8		1·2	33·9	9·5
9·0	57	16·7	38·5	
9·0		20·4	58·0	9·5
9·0		35·7	7·0	
9·9		38·7	21·7	
8·8		47·7	55·2	9·0
9·4	58	26·2	20·9	
9·2		33·7	53·5	
9·9		47·2	26·3	
9·9		48·7	59·9	
9·8	59	28·2	43·6	
9·6		29·7	54·4	
9·6		39·2	22·6	
9·9	0	18·2	14·6	
9·0		47·2	13·0	9·0 G
9·9	1	45·2	51·1	
9·9	2	16·2	15·5	
9·9		26·2	58·4	
9·9		48·2	23·6	
9·9	4	47·2	16·7	
9·9	6	9·2	4·1	
10·2		23·2	47·2	
10·2		44·2	30·7	
7·7	7	27·7	10·3	8·5
9·7	8	7·7	11·0	
9·7		18·7	50·1	
9·1		33·2	31·4	9·0
9·8		51·2	33·7	
9·6	9	47·2	4·0	
9·2	10	9·2	41·3	
10·2		29·2	47·2	
9·6		37·2	32·3	
7·2		57·2	13·1	8·0 GS
9·1	11	39·2	15·5	9·0
10·2		42·2	17·9	
9·2		49·2	58·8	
10·2	12	31·2	53·8	
9·4		33·2	12·1	
9·1		37·2	19·1	
	+ 1	29·7	+ 7·2	

9181—9240.

mag.	22ʰ m	s	—37° ′	
9·9	12	49·7	27·3	
9·9		50·2	32·1	
10·2	13	3·3	0·9	
9·0		20·7	9·9	9·0
9·1		29·2	55·8	
9·6	14	27·1	56·9	
9·6	15	28·2	4·1	
10·2	16	1·7	38·0	
9·4		50·2	14·9	
10·2	17	18·2	24·9	
10·0	18	8·2	15·8	
10·0		9·7	5·6	
9·9		19·2	45·1	
10·2		33·2	9·1	
10·2		36·2	49·6	
10·2		51·7	52·2	
8·8		54·7	53·9	9·0 G
10·2	19	3·7	15·3	
9·6		15·7	12·0	
10·0		30·7	38·8	
10·2		43·7	49·4	
10·2		49·7	43·8	
9·4		59·7	4·1	9·2 —
10·2	20	13·2	21·1	
10·2		30·7	55·9	
9·0		36·2	42·8	9·0
10·2		39·7	46·8	
9·6	21	1·7	23·2	
8·2		51·7	36·3	8·0 GS
8·8		51·7	37·1	9·0 G
8·8	22	29·7	23·9	
9·1		39·7	6·0	9·2
10·2	23	19·7	59·6	
10·0		39·7	5·6	
10·0		49·7	22·4	
10·2		56·7	18·8	
10·2	24	32·7	8·3	
10·2		44·2	52·8	
9·2		49·7	9·7	9·5
9·8	25	41·2	32·7	
10·2		51·2	49·0	
10·2	26	36·7	59·9	
9·6		37·2	3·9	
10·0		46·7	48·4	
10·2		48·2	42·0	
8·4		59·7	18·8	GW
9·2	27	45·7	24·6	9·0
9·4		49·7	16·9	
9·7	28	1·7	12·3	
10·0		17·7	11·1	
9·4		25·5	49·0	
9·2		51·3	1·2	
9·4	29	1·0	16·3	
10·2		26·0	53·8	
9·9		29·5	35·3	
10·2		38·5	9·3	
10·0		51·5	38·9	
9·1	30	24·5	9·4	9·0 —
9·4		49·5	45·7	9·0
10·0		52·0	16·1	
	+ 1	27·5	+ 7·6	

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9241—9290.

mag.	22h. m	s	—37° ′	
10·2	31	3·5	8·0	
9·6		18·3	32·6	9·0 G
10·2		30·5	23·3	
10·0		39·8	11·6	
7·7		53·5	41·4	8·5
10·6	34	56·0	39·4	
9·2		59·5	48·1	
10·2	35	27·4	9·3	
9·8		37·4	31·2	
7·9		37·7	59·9	8·5 G–
10·4	37	5·9	32·8	
10·6	38	13·5	1·2	
10·6		15·9	41·1	
9·0		30·4	46·4	9·0 G
9·6		58·9	15·7	
9·8	39	54·9	41·4	
10·2	41	15·1	7·1	
9·6		41·6	32·4	
10·6		51·6	6·8	
10·6	42	27·6	46·1	
9·6	43	10·6	15·3	
10·6		26·0	2·1	
9·6	44	10·1	46·1	
9·2		52·1	51·1	
10·6	45	9·1	46·5	
10·6		36·6	37·4	
10·6	46	22·6	33·5	
10·6		33·6	10·7	
10·2		49·6	48·9	
9·8		51·6	49·4	
9·8	47	16·6	45·4	
9·4	48	9·7	23·2	
7·2		13·7	3·2	6·5 GS–
9·2		26·2	11·0	
7·8	49	11·2	20·5	8·5 GW
10·0		20·7	45·4	
10·2		21·2	36·0	
10·6		50·7	24·2	
10·0		56·7	6·9	
10·4	50	7·2	30·7	
10·4		28·2	33·0	
9·0		51·2	12·8	9·0
10·2	51	28·2	58·6	
10·6		43·7	15·8	
10·6		44·7	20·3	
10·6		49·2	33·1	
9·6		49·2	42·0	
10·0		59·7	7·6	
9·4	52	4·0	57·0	9·0 –
10·4		26·2	51·9	
25pr.	+1	25·1	+7·9	

9291—9339.

mag.	22h.-23h. m	s	—37° ′	
10·4	53	13·7	9·7	
10·6		35·7	56·1	
10·0		55·2	38·1	
9·8	54	14·2	11·3	
10·6		16·2	50·1	
9·0		36·2	25·5	
7·0	55	36·7	5·6	6·2 GS–
8·6		58·5	9·4	8·0 G
10·0	56	1·7	6·0	
8·6		3·2	46·1	8·0 G–
9·6		10·7	4·9	
9·2		37·0	24·9	8·5 G
10·4		45·7	38·1	
10·6		50·8	21·7	
10·6	57	2·7	47·3	
10·0		3·2	33·2	
9·6	58	4·7	34·7	9·0
8·8		20·7	37·1	9·0
8·8	0	34·2	44·5	–
8·2		49·7	9·4	
9·8		50·7	47·1	
10·0	1	20·2	47·8	
8·6	3	42·9	26·4	8·8
8·8		58·4	55·5	8·8
10·2	4	16·4	5·6	
9·8		35·9	5·1	
10·2	6	2·9	34·4	
9·2	7	10·9	0·2	9·0
9·6	8	30·9	8·9	
9·8		40·9	30·2	
9·5	9	10·4	53·8	9·0
7·6		17·9	48·1	7·8 G–
10·0		50·9	15·9	
10·2	10	35·4	17·5	
10·2	11	18·9	22·1	
9·4		23·9	4·8	9·0
9·5		41·4	21·9	
9·6	12	12·9	31·1	
10·2		23·1	4·2	
8·1		24·9	32·5	8·0
8·6		49·4	21·1	8·5
9·6	15	0·9	34·9	9·5
8·0		37·9	29·5	8·0 G
9·4		44·9	11·2	
10·0	16	27·0	0·0	
10·2		30·4	24·8	
10·2		46·9	46·0	
9·4	17	12·9	3·6	
9·6		30·4	2·4	
	+1	23·0	+8·1	

9340—9388.

mag.	23h. m	s	—37° ′	
9·0	17	30·9	23·8	9·0
6·7		40·9	53·2	7·0 GS–t
10·2	18	26·9	38·4	
9·8		47·9	2·2	
9·4		55·9	49·7	
8·8	19	4·9	14·1	8·5
9·8		7·9	56·6	
9·6		14·4	55·8	9·5
10·0		16·9	33·9	
9·4		56·9	11·0	
8·8	20	3·4	40·1	
9·2		11·2	9·5	
9·8	21	32·6	18·8	
10·2	22	1·2	15·7	
8·8		6·1	30·2	
10·0		19·2	11·9	
10·0		56·9	34·9	
9·8	23	17·1	57·3	
9·2		28·6	4·8	9·0
10·0		41·6	17·0	
9·8		45·6	11·6	
7·3		51·6	38·7	7·0 GS
9·6	24	32·6	49·9	
10·0		58·6	48·0	
9·0	25	13·6	28·2	9·0
9·2		33·1	56·8	9·5
9·8		53·8	1·8	
9·2	26	27·6	35·4	
9·8		31·1	10·0	9·5 G
9·1		40·6	30·3	
9·6		48·6	48·8	
9·4		48·6	50·2	
10·0		52·6	20·0	
10·0		54·6	47·1	
10·0	28	33·6	11·4	
10·0		51·6	33·8	
9·4	29	55·0	2·8	
9·8	30	7·7	23·9	
7·2		18·2	29·4	7·5 GW
9·8		30·2	4·9	
10·0		31·2	51·9	
10·0		38·2	5·3	
10·0		43·2	9·8	
8·8		52·7	21·0	9·0
9·1	31	59·2	20·2	G
10·0	33	4·2	21·9	
9·4		14·2	46·1	
8·8	34	22·2	56·0	G–
10·0		27·7	5·1	
	+1	20·7	+8·3	

9389—9437.

mag.	23h. m	s	—37° ′	
10·0	34	37·2	7·2	
9·6	35	2·2	30·7	
10·0		5·2	3·9	
10·0		10·2	53·7	
10·0		32·2	19·1	
7·3	36	31·2	28·7	7·0 GS
9·2	37	5·2	21·0	9·0 G
9·1		39·2	48·6	
10·0		43·2	5·5	9·5
9·0	39	4·2	48·9	
10·0		45·7	8·7	
10·0	40	1·2	17·0	
10·0		14·2	56·0	
9·2		28·0	53·7	
10·0		49·5	28·6	
10·0		57·6	6·8	
9·4	41	10·5	22·0	
9·1		20·5	48·8	9·0
10·0		54·5	36·0	
10·0	42	31·0	43·0	
10·0		48·5	28·4	
10·0	44	9·5	42·6	
10·0		15·5	59·8	
10·0		21·5	31·0	
8·0		24·5	35·0	7·5 G
10·0		54·5	44·3	
9·8	45	4·5	58·8	
8·8		7·0	40·7	8·0
8·8		12·0	47·6	8·5
10·0		27·5	19·2	
9·4		57·5	8·6	
10·0	46	43·0	7·0	
10·0	47	3·3	25·8	
9·8	48	39·3	37·9	
10·4		49·3	41·9	
10·4	49	37·3	9·8	
7·6	51	1·3	24·0	7·5 GS
7·8		27·8	47·8	8·0 –
10·4	52	9·3	27·4	
8·0		9·3	34·3	
9·8		18·3	12·0	
9·4	53	24·3	7·0	
9·8	54	41·3	42·2	
6·8	55	30·8	55·4	7·0 GSct
10·4		39·5	38·0	
10·2	56	45·0	55·8	
8·8	58	9·5	59·0	8·2 G
9·4		32·0	59·6	9·5
9·8	59	21·5	28·2	
	+1	18·6	+8·3	

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